# मिरा भाईंदर महानगरपालिका मा. प्रशासकीय सभादि. ०५/०८/२०२४

#### //गोषवारा//

953

विषय : मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेचे अवलोकन करणेबाबत. (अंदाजित खर्च : रू. १२,९८,०००/- (जी. एस. टी. सह)) (Tender ID : 2024\_MBMC\_1071737\_1)

संदर्भ : शासन निर्णय क्र. मनपा-२०२२/प्र.क्र.१४२(१८-अ)/न.वि.१६, दि. १०/०६/२०२२

#### प्रकरण क्र.:())

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेमध्ये प्राप्त दरांचे अवलोकन करणे आवश्यक आहे.

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामी मागविण्यात आलेल्या निविदेचा तांत्रिक लिफाफा उघडला असता मे. रुद्रा इनोटेक, मे. न्यू फिल्ड व मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि. यांनी महानगरपालिकेने मागविलेल्या कागदपत्रांची पूर्तता करून पात्र ठरत आहेत.

्र पात्र निविदा धारकांचा दराचा लिफाफा उघडणेस मा. निविदा निवड समितीने मान्यता दिलेनुसार निविदेचा दराचा लिफाफा उघडला असता त्यामध्ये खालीलप्रमाणे दर प्राप्त झाले आहेत.

अ. क्र.	महानगरपालिकेने मागविलेल्या कागदपत्रांचा तपशिल	अंदाजपत्रकीय दर	मे. रुद्रा इनोटेक	मे. न्यू फिल्ड	मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि.
۶	Supply and Installation CCTV System On Rental Basis as per requirement at Ganpati Visarjan Spots in MBMC Area.	रू. १२,९८,०००/-	-०.१% (रू. १२,९६,७०२/-)	+२.५६% (रू. १३,३१,२२८/-)	०% (रू. १२,९८,०००/-)
	शेरा		L1	L3	L2

महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि -१४, दि. २६/०८/२०२२ अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतूद व विशेषत: कलम ४५२ अ चा (१अ) व (१ब) मधील तरतूदीनुसार मा. आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झालेले आहेत. सदर प्राप्त अधिकारात मे. रुद्रा इनोटेक यांनी निविदेमध्ये सादर केलेले दर बाजारभावाशी व अंदाजपत्रकीय दरांशी तुलना केली असता वाजवी असल्याने उपरोक्त दर मंजुरीकरीता मा. आयुक्त सो. यांनी मान्यता दिलेली आहे. करीता वरील कामाचे अवलोकन होणेस शिफारस आहे.

(संजय दोंदे) उप-आयुक्त मिरा भाईंदर महानगरपालिका

## मिरा भाईंदर महानगरपालिका मा. प्रशासकीय सभादि. ०५। ०० २४

#### //ठराव//

943

#### विषय : मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेचे अवलोकन करणेबाबत. (अंदाजित खर्च : रू. १२,९८,०००/- (जी. एस. टी. सह)) (Tender ID : 2024\_MBMC\_1071737\_1)

संदर्भ : शासन निर्णय क्र. मनपा-२०२२/प्र.क्र.१४२(१८-अ)/न.वि.१६, दि. १०/०६/२०२२

#### प्रकरणक्र.: ( १५९)

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेमध्ये प्राप्त दरांचे अवलोकन करणे आवश्यक आहे.

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामी मागविण्यात आलेल्या निविदेचा तांत्रिक लिफाफा उघडला असता मे. रुद्रा इनोटेक, मे. न्यू फिल्ड व मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि. यांनी महानगरपालिकेने मागविलेल्या कागदपत्रांची पुर्तता करून पात्र ठरत आहेत.

पात्र निविदा धारकांचा दराचा लिफाफा उघडणेस मा. निविदा निवड समितीने मान्यता दिलेनुसार निविदेचा दराचा लिफाफा उघडला असता त्यामध्ये खालीलप्रमाणे दर प्राप्त झाले आहेत.

याकामी महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि -१४, दि. २६/०८/२०२२ अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतूद व विशेषत: कलम ४५२ अ चा (१अ) व (१ब) मधील तरतूदीनुसार मा. आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झालेले आहेत. वरील कामाच्या निविदेस प्रशासकीय ठरावाद्वारे अवलोकन करण्याचा प्रस्ताव प्रशासनाने सादर केलेला आहे.

मसुदा मान्यतेस्तव	प्रशासकीय ठराव क्र. दि.
(मनस्वी म्हात्रे) सिस्टीम ॲनालिस्ट (संजय दोंदे) उप-आयुक्त	मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामाच्या प्रस्तावाचे अवलोकन करण्यात आले. महाराष्ट्र महानगरपालिका अधिनियमातील तरतूदी व विशेषत: कलम ४५२ अ च्या १(अ) व १(ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ- २०२०/प्र.क्र.७१ (भाग-२)/नवि -१४, दि. २६/०८/२०२२ अन्वये प्राप्त अधिकारानुसार मी, संजय श्रीपतराव काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका, मा. स्थायी सभेच्या अधिकाराचा वापर करून प्रशासनाने सादर केलेल्या विषयास अनुसरून निविदेमधील प्राप्त प्रस्तावाचे अवलोक करीत आहे.

(डॉ. संभाजी पानपट्टे)	अ. क्र.	महानगरपालिकेने मागविलेल्या कागदपत्रांचा तपशिल	अंदाजपत्रकीय दर	मे. रुद्रा इनोटेक	मे. न्यू फिल्ड	मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि.
अतिरीक्त आयुक्त निर्णालाख्य (संजय श्रीपतराव	2	Supply and Installation CCTV System On Rental Basis as per requirement at Ganpati Visarjan Spots in MBMC Area.	रू. १२,९८,०००/-	-०.१% (रू.१२,९६,७०२/- )	+२.५६% (रू.१३,३१,२२८/- )	०% (रू.१२,९८,०००/- )
काटकर, भाष्रसे)		श्रीरा		L1	L3	L2

वरीलप्रमाणे निविदेचे दरांस प्राप्त मान्यतेनुसार प्रस्तावाचे अवलोकन करण्यात येत आहे. पुढील आवश्यक कार्यवाही नियमानुसार संबंधित विभागाने विहीत पद्धतीने करावी.

## मिरा भाईंदर महानगरपालिका मा. प्रशासकीय सभादि. ०५। ०८। २०२४

#### //ठराव//

विषय : मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेचे अवलोकन करणेबाबत. (अंदाजित खर्च : रू. १२,९८,०००/- (जी. एस. टी. सह)) (Tender ID : 2024\_MBMC\_1071737\_1)

संदर्भ : शासन निर्णय क्र. मनपा-२०२२/प्र.क्र.१४२(१८-अ)/न.वि.१६, दि. १०/०६/२०२२

प्रकरणक्र.: ( ९५३ )

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मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामीच्या निविदेमध्ये प्राप्त दरांचे अवलोकन करणे आवश्यक आहे.

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामी मागविण्यात आलेल्या निविदेचा तांत्रिक लिफाफा उघडला असता मे. रुद्रा इनोटेक, मे. न्यू फिल्ड व मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि. यांनी महानगरपालिकेने मागविलेल्या कागदपत्रांची पुर्तता करून पात्र ठरत आहेत.

पात्र निविदा धारकांचा दराचा लिफाफा उघडणेस मा. निविदा निवड समितीने मान्यता दिलेनुसार निविदेचा दराचा लिफाफा उघडला असता त्यामध्ये खालीलप्रमाणे दर प्राप्त झाले आहेत.

याकामी महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि -१४, दि. २६/०८/२०२२ अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतूद व विशेषत: कलम ४५२ अ चा (१अ) व (१ब) मधील तरतूदीनुसार मा. आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झालेले आहेत. वरील कामाच्या निविदेस प्रशासकीय ठरावाद्वारे अवलोकन करण्याचा प्रस्ताव प्रशासनाने सादर केलेला आहे.

#### प्रशासकीय ठराव क. 993 दि. 0910012028.

मिरा भाईंदर महानगरपालिका क्षेत्रामध्ये आवश्यकतेनुसार गणपती विसर्जन ठिकाणी तात्पुरत्या स्वरूपात सी. सी. टी. व्ही. यंत्रणा कार्यान्वित करणे कामाच्या प्रस्तावाचे अवलोकन करण्यात आले.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतूदी व विशेषत: कलम ४५२ अ च्या १(अ) व १(ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि -१४, दि. २६/०८/२०२२ अन्वये प्राप्त अधिकारानुसार मी, संजय श्रीपतराव काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका, मा. स्थायी सभेच्या अधिकाराचा वापर करून प्रशासनाने सादर केलेल्या विषयास अनुसरून निविदेमधील प्राप्त प्रस्तावाचे अवलोक करीत आहे.

अ. क्र.	महानगरपालिकेने मागविलेल्या कागदपत्रांचा तपशिल	अंदाजपत्रकीय दर	मे. रुद्रा इनोटेक	मे. न्यू फिल्ड	मे. मिरॅकल इलेक्ट्रीकल सोल्यूशन्स इंडीया प्रा. लि.
۶	Supply and Installation CCTV System On Rental Basis as per requirement at Ganpati Visarjan Spots in MBMC Area.	रू. १२,९८,०००/-	-০.१% (रূ.१२,९६,७०२/-)	+२.५६% (रू.१३,३१,२२८/-)	०% (रू.१२,९८,०००/-)
	शेरा		L1	L3	L2

वरीलप्रमाणे निविदेचे दरांस प्राप्त मान्यतेनुसार प्रस्तावाचे अवलोकन करण्यात येत आहे. पुढील आवश्यक कार्यवाही नियमानुसार संबंधित विभागाने विहीत पद्धतीने करावी.

(वासुदेव शिरवळकर) नगरसचिव मिरा भाईंदर महानगरपालिका

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(संजय श्रीपतराव काटकर, भाष्रसे) प्रशासक तथा आयुक्त मिरा भाईंदर महानगरपालिका

## मिरा भाईंदर महानगरपालिका

# आस्थापना विभाग दि. ०५ / ७९ /2024 (गोषवारा)

प्रकरण क्र. :- ९५४ मिरा भाईंदर महानगरपालिका सुधारित सेवा (सेवाप्रवेश व सेवांचे वर्गीकरण) नियम, 2019 मधील महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेल्या अर्हता व नेमणूकीच्या पध्दतीत बदल करुन मान्यता देणेबाबत

मिरा भाईंदर महानगरपालिका सुधारित (सेवा प्रवेश व सेवाचे वर्गीकरण) नियम, 2019 ला शासनाने शासन निर्णय क्र. मिभाम-116/प्र.क्र.36(भाग-1)/16/नवि-28 दि.28/05/2019 अन्वये मान्यता दिलेली आहे. सदरचे सेवा नियम दि 10/06/2019 रोजी शासन राजपत्रात प्रसिध्द झाले असून मिरा भाईंदर महानगरपालिका अधिकारी/कर्मचारी यांना दि.10/06/2019 पासून प्रत्यक्षात लागू झाले आहेत. सेवा प्रवेश नियाममध्ये "लेखापाल" व "लेखापरिक्षक" या पदाच्या नेमणूकीसाठी खालीलप्रमाणे अर्हता व पात्रता विहीत करण्यात आलेली आहे.

		नेमणूकीची पध्दत व	
	पदनाम व	टक्केवारी (नामनिर्दशन	नेमणूकी करीता अर्हता व नेमणूकीची
अ.क्र.	श्रेणी	/ पदोन्नती /	पध्दती
		प्रतिनियुक्ती)	
1	लेखापाल (श्रेणी-3, लेखासेवा)	पदोन्नती 25%	मिरा भाईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक (लेखा) या पदावर किमान 5 वर्षाची सेवा पूर्ण झालेल्या व विभागीय परिक्षा उत्तीर्ण असलेल्या कर्मचाऱ्यांची सेवाजेष्ठता व गुणवत्तेच्या आधारे पदोन्नतीने नियुक्त करता येईल.
2	लेखापरिक्षक (श्रेणी-3, लेखापरिक्षण सेवा)	पदोन्नती 50%	मिरा भाईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक (लेखा परिक्षण) या पदावर किमान 5 वर्षाची सेवा पूर्ण झालेल्या व विभागीय परिक्षा उत्तीर्ण असलेल्या कमचाऱ्यांची सेवा जेष्ठता व गणवत्तेच्या आधारे पदोन्नतीने नियुक्त करता येईल.

तथापि, मिरा भाईंदर आस्थापनेवर उक्त पदावर पदोन्नती देणेसाठी अनुभव आवश्यक असलेल्या निम्न पदावरील मंजूर पदाची संख्या पुरेशी नसल्याने सदरची पदे दिर्घकाळ रिक्त राहणार आहेत. त्यामुळे सदर पदांसाठी आवश्यक असलेली शैक्षणिक अर्हता धारण करणारे कर्मचारी उपलब्ध असल्याने त्यांना सदर पदावर पदोन्नतीची संधी उपलब्ध होण्याच्या दृष्टीने शासनाने विहीत केलेल्या अर्हतेमध्ये खालील प्रमाणे अशंत: बदल करणे आवश्यक आहे.

अ.क्र.	पदनाम व श्रेणी	नेमणूकीची पध्दत व टक्केवारी (नामनिर्दशन / पदोन्नती / प्रतिनियुक्ती)	नेमणूकी करीता अर्हता व नेमणूकीची पध्दती
1	लेखापाल (श्रेणी 3 लेखासेवा)	पदोन्नती 50%	मान्यता प्राप्त विद्यापीठाची वाणिज्य शाखेची पदवी धारण करणाऱ्या मिरा आईदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक पदाची किमान 3 वर्षाची/लिपीक पदावर किमान 10 वर्षाची सेवा पूर्ण झालेल्या कर्मचाऱ्यांची सेवाजेष्ठता व गणुवत्तेच्या आधारे पदोन्नतीने नियुक्ती करता येईल.
2	लेखापरिक्षक (श्रेणी 3 लेखापरिक्षण सेवा)	पदोन्नती 50%	मान्यता प्राप्त विद्यापीठाची वाणिज्य शाखेची पदवी धारण करणाऱ्या मिरा भाईदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक पदाची किमान 3 वर्षाची/लिपीक पदावर किमान 10 वर्षाची सेवा पूर्ण झालेल्या कर्मचाऱ्यांची सेवाजेष्ठता व गणुवतेच्या आधारे पदोन्नतीने नियुक्ती करता येईल.

मिरा भाईंदर महानगरपालिका आस्थापनेवर महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेली शैक्षणिक अर्हता व पात्रता धारण करणारे कर्मचारी उपलब्ध असल्याने त्यांना सदर पदावर पदोन्नतीची संधी उपलब्ध होण्याच्या दृष्टीने वरीलप्रमाणे प्रस्ताव शासन मान्यता मिळण्याकरीता शासनास पाठविणेसाठी मा.प्रशासक, मिरा भाईंदर महानगरपालिका यांची मंजूरी मिळणेस शिफारस आहे.

(मा.आयुक्त महोदय यांचे मान्यतेने)

(संजय दोंदे)

(संजूष पांप) उप-आयुक्त (मुख्यालय) मिरा भाईंदर महानगरपालिका

मा. प्रावनग्रा राजाजी रामिती सभा गेषवरा प्राप्त दि.0.3 / 2/२०२४ वेळ व्याये. प. 40 रविसर नोंद अ. क. 948 वर्ष 208/24 सचिव विभाग मिरा-भाइँदर महानगरपालिका

## मिरा भाईंदर महानगरपालिका

### आस्थापना विभाग

### दि. 04 10e 12024

प्रकरण क्र.९५८ मिरा आईदर महानगरपालिका सुधारित सेवा (सेवाप्रवेश व सेवांचे वर्गीकरण) नियम, 2019 मधील महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेल्या अर्हता व नेमणूकीच्या पध्दतीत बदल करुन मान्यता देणेबाबत

#### कार्यालयीन प्रस्ताव

मिरा भाईदर महानगरपालिका सुधारित (सेवा प्रवेश व सेवाचे वर्गीकरण) नियम, 2019 ला शासनाने शासन निर्णय क्र. मिभाम-116/प्र.क्र.36(भाग-1)/16/नवि-28 दि.28/05/2019 अन्वये मान्यता दिलेली आहे. सदरचे सेवा नियम दि 10/06/2019 रोजी शासन राजपत्रात प्रसिध्द झाले असून मिरा भाईंदर महानगरपालिका अधिकारी/कर्मचारी यांना दि.10/06/2019 पासून प्रत्यक्षात लागू झाले आहेत. सेवा प्रवेश नियाममध्ये "लेखापाल" व "लेखापरिक्षक" या पदाच्या नेमणूकीसाठी खालीलप्रमाणे अर्हता व पात्रता विहीत करण्यात आलेली आहे.

		नेमणूकीची पध्दत व		
	पदनाम व	टक्केवारी (नामनिर्दशन	नेमण्की करीता अर्हता व नेमण्कीची पध्दती	
अ.क्र.	श्रेणी	/ पदोन्नती /		
· ·	-	प्रतिनियुक्ती)		
1	लेखापाल (श्रेणी-3, लेखासेवा)	पदोन्नती 25%	मिरा भाईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक (लेखा) या पदावर किमान 5 वर्षाची सेवा पूर्ण झालेल्या व विभागीय परिक्षा उत्तीर्ण असलेल्या कर्मचान्यांची सेवाजेष्ठता व गुणवत्तेच्या आधारे पदोन्नतीने नियुक्त करता येईल.	
2	लेखापरिक्षक (श्रेणी-3, लेखापरिक्षण सेवा)	पदोन्नती 50%	मिरा आईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक (लेखा परिक्षण) या पदावर किमान 5 वर्षाची सेवा पूर्ण झालेल्या व विभागीय परिक्षा उत्तीर्ण असलेल्या कमचाऱ्यांची सेवा जेष्ठता व गणवत्तेच्या आधारे पदोन्नतीने नियुक्त करता येईल.	

तथापि, मिरा भाईंदर आस्थापनेवर उक्त पदावर पदोन्नती देणेसाठी अनुभव आवश्यक असलेल्या निम्न पदावरील मंजूर पदाची संख्या पुरेशी नसल्याने सदरची पदे दिर्घकाळ रिक्त राहणार आहेत. त्यामुळे सदर पदांसाठी आवश्यक असलेली शैक्षणिक अर्हता धारण करणारे कर्मचारी उपलब्ध असल्याने त्यांना सदर पदावर पदोन्नतीची संधी उपलब्ध होण्याच्या दृष्टीने शासनाने विहीत केलेल्या अर्हतेमध्ये खालील प्रमाणे अशंत: बदल करणे आवश्यक आहे.

अ.क्र.	पदनाम व श्रेणी	नेमण्कीची पध्दत व टक्केवारी (नामनिर्दशन / पदोन्नती / प्रतिनियुक्ती)	नेमण्की करीता अर्हता व नेमण्कीची पध्दती
1	लेखापाल (श्रेणी 3 लेखासेवा)	पदोन्नती 50%	मान्यता प्राप्त विद्यापीठाची वाणिज्य शाखेची पदवी धारण करणाऱ्या मिरा भाईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक पदाची किमान 3 वर्षाची/लिपीक पदावर किमान 10 वर्षाची सेवा पूर्ण झालेल्या कर्मचाऱ्यांची सेवाजेष्ठता व गणुवतेच्या आधारे पदोन्नतीने नियुक्ती करता येईल.
2	लेखापरिक्षक (श्रेणी 3 लेखापरिक्षण सेवा)	पदोन्नती 50%	मान्यता प्राप्त विद्यापीठाची वाणिज्य शाखेची पदवी धारण करणाऱ्या मिरा आईंदर महानगरपालिकेच्या आस्थापनेवरील वरिष्ठ लिपीक पदाची किमान 3 वर्षाची/लिपीक पदावर किमान 10 वर्षाची सेवा पूर्ण झालेल्या कर्मचाऱ्यांची सेवाजेष्ठता व गणुवत्तेच्या आधारे पदोन्नतीने नियुक्ती करता येईल.

मिरा भाईंदर महानगरपालिका आस्थापनेवर महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेली शैक्षणिक अर्हता व पात्रता धारण करणारे कर्मचारी उपलब्ध असल्याने त्यांना सदर पदावर पदोन्नतीची संधी उपलब्ध होण्याच्या दृष्टीने वरीलप्रमाणे प्रस्ताव शासन मान्यता जिळण्याकरीता शासनास पाठविणेसाठी मा.प्रशासक, मिरा भाईंदर महानगरपालिका यांची मंजूरी मिळणेस विनंती आहे, असा प्रस्ताव प्रशासनामार्फत सादर करण्यात आलेला आहे.

### प्रशासकीय ठराव क्र. १५४ दिनांक ०५।०९ 12024

"मिरा भाईदर महानगरपालिका सुधारित सेवा (सेवाप्रवेश व सेवांचे वर्गीकरण) नियम, 2019 मधील महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेल्या अर्हता व नेमणूकीच्या पध्दतीत बदल करुन मान्यता देणेबाबतच्या प्रस्तावाचे अवलोकन करण्यात आले.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) नुसार महाराष्ट्र शासन, नगर विकास विभागाकडील शासन आदेश क्रमांक : एमसीओ 2020/प्र.क्र.71(भाग-2)/नवि-14, दि.26/08/2022 अन्वये प्रशासनाने सादर केलेल्या विषयास अनुसरुन "मिरा भाईंदर महानगरपालिका सुधारित सेवा (सेवाप्रवेश व सेवांचे वर्गीकरण) नियम, 2019 मधील महापालिका लेखापाल व लेखापरिक्षक या पदासाठी विहीत केलेल्या अर्हता व नेमणूकीच्या पध्दतीत बदल करणेबाबतचा प्रस्ताव शासन मान्यता मिळण्याकरीता शासनास पाठविणेसाठी मंजुरी देण्यात येत आहे."



19mm march

(संजय श्रीपतराव काटकर, भा.प्र.से.) आयुक्त तथा प्रशासक मिरा भाईंदर महानगरपालिका

### मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ५ / ९ /2024

#### // गोषवारा //

प्रकरण क्र. (२५५) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1049595_1	मनपा क्षेत्रात विविध उद्याने व मैदाने येथे ऑन ग्रिड सौरऊर्जा यंत्रणा बसविणे. (माझी वसुंधरा अभियान 3.0 अंतर्गत बक्षीस प्राप्त निधी)	रु.1,56,08,994/-	मे. पुणे इलेक्ट्रीकल्स	9.2200 % कमी दराने
2.	1054960_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (प.) स्व. कल्पना चावला अग्निशमन केंद्र इमारत येथे उद्वाहक यंत्रणा बसविणे.	रु.34,15,000/-	मे. मिरॅकल इलेक्ट्रीकल सोल्युशन इंडिया प्रा.लि.	0.1000% कमी दराने

वरील कामी अ.क्र.01 व 02 च्या निविदाधारकाने अंदाजपत्रकीय दरापेक्षा कमी दराची निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 02 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)

शहर अभियंता मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

PC8/DK/24-25/PG-22

### मिरा-भाईंदर महानगरपालिका

### प्रशासकीय ठराव दिनांक ०५ । ० ८ । 2024

विषय क्र. ( ) :- मा. आयुक्त महोदयाकडील कामकाज

निविदेस मान्यता देणेबाबत.

अ.	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
क्र					
1	2	3	4	5	6
1.	1049595_1	मनपा क्षेत्रात विविध उद्याने	रु.1,56,08,994/-	मे. पुणे इलेक्ट्रीकल्स	9.2200 % कमी दराने
		व मैदाने येथे ऑन ग्रिड			
		सौरऊर्जा यंत्रणा बसविणे.			
		(माझी वसुंधरा अभियान 3.0			
		अंतर्गत बक्षीस प्राप्त निधी)		x	
2.	1054960_1	मिरा भाईंदर महानगरपालिका	<b> रू.34,15,000/-</b>	मे. मिरॅकल	0.1000% कमी दराने
		क्षेत्रातील भाईंदर (प.) स्व.		इलेक्ट्रीकल सोल्युशन	i.
· ·		कल्पना चावला अग्निशमन		इंडिया प्रा.लि.	
		केंद्र इमारत येथे उद्वाहक			
		यंत्रणा बसविणे.			

#### कार्यालयीन प्रस्तावना

वरील कामी अ.क्र.01 व 02 च्या निविदाधारकाने अंदाजपत्रकीय दरापेक्षा कमी दराची निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील अ.क्र.01 व 02 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

# प्रशासकीय ठराव क. 944 दिनांक 04 100 2028

मिरा भाईंदर महानगरपालिका क्षेत्रातील वरील 02 कामांस मान्यता देण्याच्या प्रस्तावाचे अवलोकन करण्यात आले.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, संजय काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा.महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केलेल्या विषयास अनुसरुन खालील कामाच्या अ.क्र.01 व 02 च्या निविदाधारकाने सादर केलेल्य अंदाजपत्रकीय दरापेक्षा कमी दराची निविदेस महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (क) नुसार मान्यता देण्यात येत आहे.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1049595_1	मनपा क्षेत्रात विविध उद्याने व मैदाने येथे ऑन ग्रिड सौरऊर्जा यंत्रणा बसविणे. (माझी वसुंधरा अभियान 3.0 अंतर्गत बक्षीस प्राप्त निधी)	रु.1,56,08,994/-	मे. पुणे इलेक्ट्रीकल्स	9.2200 % कमी दराने
2.	1054960_1	मिरा भाईदर महानगरपालिका क्षेत्रातील भाईदर (प.) स्व. कल्पना चावला अग्निशमन केंद्र इमारत येथे उद्वाहक यंत्रणा बसविणे.	₹.34,15,000/-	मे. मिरॅकल इलेक्ट्रीकल सोल्युशन इंडिया प्रा.लि.	0.1000% कमी दराने

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर) नगरसचिव मिरा भाईंदर महानगरपालिका

manend

(संजय काटकर, भाप्रसे) प्रशासक तथा आयुक्त मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

PC-8/24-25/DK/P1-22

# मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

## दि.0y/0e/2024

### // गोषवारा //

प्रकरण क्र. (९५८) :- निविदेस मान्यता देणेबाबत.

अ.	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
क्र	and the second	n anteres - magnes is many a more diverse all or representants - ann opposing a spirit, i abrova for a similar series and a formation an	- y may can name a game and a stable stable set of construction of the stable set of	e oggeser wegenske state en en generale en er
1	2	3	4	<b>5</b>
1.	1052415_1	गुजरात मधील साबरमती रिव्हर वॉटर फ्रंट	₹.40,95,81,644/-	मे. श्री.जी. इपीसी प्रा.लि.
		डेव्लपमेंटच्या धर्तीवर मिरा भाईंदर महानगरपालिका		
		हद्दीतील चेना नदीवर रिव्हर वॉटर फ्रंट डेव्हलपमेंट		
		उभारणे. (मुलभुत सोई सुविधा विकास योजना)		मे.एन.ए.कंस्ट्रक्शन

	Item Description	Quantity	Units	3	M/s. Shree	ji EPC PVt. Ltd M/s.	L.	CONSTRU	s, N A KTION PVT LTD
SL No				Quated Rate	Quated Amount	Final Negotiate Rate	Final Negotiate Amount	Rate	Amount
	Excevation for foundation in earth, soils of all types, sand, gravel, soft murum including shoring and strutting, dewatering as necessary and disposing off excavated stuff as directed etc complete. (By Mechanical Means) a) Upto 1.50m lift Normal Rate b) 1.50m to 3.00m lift, Add 10% c) 3.00m to 4.50m lift, Add 20% d) 4.50m to 6.0m lift; Add 30% SSR No 12.03	8430.75	Cum	95.	800921.25	95.00	8,00,921.25	100	. 843075
	Excavation for foundation in hard murum including shoring and strutting, dowatering as necessary and disposing off excavated stuff as directed etc. complete. a) Upto 1.50m lift Normal Rate b) 1.50m to 3.00m lift, Add 10% c: 3.00m to 4.50m lift, Add 20% d) 4.50m to 6.0m lift, Add 30% SSR No 12.04	3798.45	Cum	. 253	961007.85	253,00	9,61,007.85	260	987597
1.3	Excavation for foundation in hardrock by chiselling and wedging or line drilling including shoring and strutting, dewatering a snecessary and disposing off excavated stuff asd irected etc complete' SSR No 12.11	35700,00	CUM	2027	72363900	2,027.00	7,23,63,900.00	2100	24970000
14	Excavation for foundation in soft tock including shoring and strutting, dewatering as necessary and disposing off excavated stuff as directed etc. complete. a) Upto 1.50m lift Normal Rate b) 1.50m to 3.00m lift, Add 10% c) 3.00m to	12.30	CUM	585	7195.5	585.00	7,195.50	605	.7441.5

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人名法法法 化合金用剂 法公式

	4.50m lift, Add 20% d) 4.50m to 6.0m lift, Add 30% SSR no 12.08	56.2009 miller 6879 millig 1000 om møder 64 millig 1000 og millige 64 millige 1000 millige 64 millige 1000 milli				an a nais an an an an an an an an Alban Barna a dhu an		- 19 - 14 - 14 - 14 - 14 - 14 - 14 - 14	nggaan aan Camminist yn 19 Singer Fan Stranger Mae gan gebrefen yn 19 Singer Fan Singer Mae gan gebrefen yn 19 Singer Fan Singer Fan Singer
1,5	Excavation for foundation / pipe trenches in slush muddy / marshy / slushy / soil including use of poclain, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall be paid separately. MJP SSR	28560.00	cum	448	12794880	448.00	1,27,94,880.00	465	13280400
1.6	Dewatering on BHP basis by using water pump including diversion of stream, providing coffer dams, earthern bunds etc. as may be necessary for foundation and other parts of the works and pumping out water during and after excavation as may be required by using 5.0 to 9.0 BHP pump etc. complete. (prior approval of Superint ending Engineer will be necessary). SSR no 12.23	1380.00	Hour	210	289800	210.00	2,89,800.00	215	296700
1.7	Providing solingusing 80 mmsize trap metal in 15 cm. layer including filling voids with Crushed sand/grit, raniming, watering etc. complete.) SSR no 21.40	1367	Cum	3200	4374400	3,200.00	43,74,400.00	3300	4511100
1.8	Providing and laying in situ / ready mix / ready mix M15 cement concrete of trap / granite / quartzite / gneiss metal in foundation including necessary centering, formwork, bailing out water, compacting and curing etc. complete. (with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer / concrete batch mix plant (pan mixer) with natural /artifical sand) SSR no 24.04	450.23	Cum	8011	, 3606792.53	8,011.00	36,06,792.53	8250	3714397.5
1,9	Providing and laying Cast in situ / Ready Mix cement concrete in M20 of trap / granite / quartzite / gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying / pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering unevenand honeycombed surfaceonly. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro process or	2087,40	Cum	8344	17417265.6	8,344.00	1,74,17,265.60	8550	17847270

rT	in sklad en ordina Deura Tima			Г	a a na seconda de la constance - na caracteria ana de constance de la constance de la constance de la constance		n na gan na anin'ny fanisana amin'ny fanisana amin'ny fanisana amin'ny fanisana amin'ny fanisana amin'ny fanisa		
	enabled reversible Drum Type mixer / concrete Batch mix								
	plant (Pan mixer) etc. complete.	95							
	Withfine aggregate (Crushed								
	sand VSI Grade)								
2.0	SSR no 24.10 Providing and laying Cast		agar agagan gaaggaa gererenii a see ar madda maddi		ngan generangkan menangkan keringkan keringkan di keringkan di keringkan di keringkan di keringkan di keringkan	and a start of a start of the s	9-9-1)	an an tao an	
2.0	insitu / Ready Mix cement								
	concrete in M-25 of trap								
	/granite /quartzite /gneiss metal								
	for R.C.C. pardi of required thickness including steel								
	centering, formwork, cover								
	blocks, laying/ pumping,								
	compacting and roughening								
	them if special finish is to be provided and curing	5215.20	Cum	17974	93738004.8	17,974.00	9,37,38,004.80	18500	96481200
	complete.(Excluding							* 	
	reinforcement and structural	-							
	steel) with fully automatic microprocessor based PLC with								
	SCADA enabled reversible								
	Drum Type mixer/ concrete			7					
	Batch mixplant (Panmixer) etc.								
	complete. With fine aggregate (Crushed sand VSI Grade)								
	SSR no 26.19						r And a state of the state of t	and the state of the second	apageona a este necessor nec
2.1	Providing and laying Cast in								
	situ/Ready Mix cement concrete M-30 of trap / granite								
	/quartzite/ gneiss metal for	14400	Cum	14553	2095632	14,553.00	20,95,632.00	15000	2160000
	R.C.C. beams as per detailed	144.00	Cum	14555	2095052	14,005.00	20,95,052.00	13000	
	designs and drawings or as								
	directed including centering, SSR no 25.54								
2.2	Providing and laying Cast in		a o y a construir a constru	a, aya aya aya ka sa aya aya aya aya aya aya aya aya aya			and the second		
	situ/Ready Mix cement								
	concrete M-30 of trap / granite /quartzite/ gneiss metal for						0.	16500	334125
	R.C.C. columns as per detailed	20.25	cum	16144	326916	16,144.00	3,26,916.00	16500	329122
	designs and drawing or as								
	directed including centering, formwork, SSR no 25.35								
2.3	Providing and laying Cast in		n nggalapa at analas na shina na analas na	e na na dine kajne (zi konstrukciji stratili konstrukciji stratili konstrukciji stratili konstrukciji stratili	and a subscription. The endly smalled birded with Phys. 7 - 19	and a second of the second s	nya Chalabalan any and Albin the Chalabath (1997) in Albin (1997)	a gang an an a mananan manan A	
	situ / Ready Mix cement								
	concrete in M-20 of trap/	1							
	granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or			1					
	parapet and sill of doors and	3.00	CUM	7550	22650	7,550.00	22,650.00	7800	23400
	windows moulded as per	-	_			-	5		
	detailed drawings or chamfered as approved by the Engineer								
	including steel centering,SSR								
	no 26.23	- Contractory - Angle Contractory and Andrew State (1997) (1997) (1997)	(	na maayaa gaamad - 10 million ahaa ah		a and a substitution of the substitution of the	tanangan managan pana ana ang kanangan kananan ini kalan	$a_{1} + b_{1} + b_{2} + b_{3} + b_{3$	an an Anna an Anna an Anna Anna Anna An
2.4	Providing and laying Cast in situ/Ready Mix cement								
	concrete M-30 of trap/ granite /								La constante de
	quartzite/ gneiss metal for								
	R.C.C. slabs and landings as					an the second			
	per detailed designs and drawings including steel								
	centering, formwork, cover					No. of Concession, Name			
	blocks, laying/pumping,							1.1	
	compaction finishing the formed surfaces with cement								
	mortar 1:3 of sufficient					/			
	minimum	648.00	Cum	16300	10562400	16,300.00	1,05,62,400.00	16750	10854000
	thickness to give a smooth and even surface or roughening if				**				
	special finish is to be provided				7				2
	and curing etc.								
	complete,(Excluding reinforcement and structural			·					
	steel) with fully automatic								
	micro processor based PLC								
	with SCADA enabled reversible Drum Type mixer/								
	concrete Batch mix plant (Pan								-
	mixer) etc. complete, With fine								
	aggregate (Crushed sand VSI	1	1		L	1	1		al and the second second second second

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unal unastratori	Grade) SSR no 25.74		a, 1944 (K. 1974) and a state of the Control of State of S							
2.5	Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcementof various diameters forR.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs,drawingsandschedules. includingcutting,bending, hooking the bars, binding with wires or tack welding and supporting as required complete	1216.52	MT «	98845	, 120246919.4	98,845.00	12,02,46,919.40	102000	124085040	
2.6	SSR no 26.34 Providing Fusion Bonded Epoxy Coating	15.00	МТ	11383	170745	11,383.00	1,70,745.00	11750	176250	
2.7	SSR no 26.41 Providing and fixing bituminous pad 25mm thick for expansion joints in retaining wall, compound wall etc. complete. SSR no 30.11	168.00	SQMT	1855	311640	1,855.00	3,11,640.00	1900	319200	
2.8	Conveying excavated material upto lid of 20KM (Lead Chart)	76501.50	CUM	469	35879203.5	469.00	3,58,79,203.50	475	36338212.5	-
2.9	Providing Autoclaved Aerated Concrete Block masonary of conforming to 1S.2185 (Part3)- 1984 in extra fine jointing mortar of fix oblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc.Complete.(The test shall be carried out conforming to 1S.6441 (Part I) - 1972)SSR no 27.15	131.37	CUM	7708	1012599.96	7,708.00	10,12,599.96	7900	1037823	5 
3.0	Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in Half brick thick wall including striking joints, raking out joints and scaffolding etc.Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972) SSR no 27.16	3.01	sqint	1080	3250.8	1,080.00	3,250.80	1120	3371.2	
3.1	Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete SSR no 33.34	213.28	Sq mt	4245	905373.6	4,245.00	9,05,373,60	4400.	938432	
3.2	Providing sandfaced plaster externally in cement mortar using approved screened sand in all positions including base coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 Kilogram per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receivet he sand faced treatment 6 to 8 mm thick in cement	14242.50	sqmt	701	9983992.5	701.00	99,83,992.50	725	10325812.5	

J.

	5.			water of Barry Street Barry Street	ang pana manang manang manang panahan na manang manang ma	and the second with some plate similar statement to the distance of the second statement of the		historia Trada transmista Corporata ana al	pressualitation of Microsoftware.
Cold Cold Challenge	mortar1:4finishingthesurfaceby								
	takingout grains and curing for	)							
	fourteen days scaffolding	- 19							
	etc.complete.								
	SSR no 32.11		nep andre skilder skyrerer skradier det				n fan sen were en were en were de state en een de eerste were en were en were een were een were de state en se N		na la anna an A
3.3	Providing and applying two								
	coats Apex Ultima Puranature			1					
	Anti-Pollution Or equivalent approved brand, paint should						4		
	decomposes organic substances								
	and inorganic gases (NOx,					*********			
	VOC's, CO, SOx,								
	formaldehydes, etc.) in								
	presence of natural or artificial								
	light. It contains Graphene and			•					
	nanoparticles of titanium oxide.	1.							
	and Absorbs CO2 (4.8								
	Kilogram / 151). plaster crack								
	should be filled by Acrylic base	14242,50	sqint	390	5554575	390.00	55,54,575.00	400	5697000
	Crack seal / Textured Crack	14242.50	squit	330	10100	520.00	00,04,07,000		50,7000
	filler, Paint has to applied on								
	one coat of Apex Ultima								
	Puranature Anti-Pollution								
	Primer or Equivalent. Warranty								
	Should be given by the								
· ·	Manulaturer The work should	. 1				*			
	be done by the Manufacturer								
	Recommended applicator and					la della d			
	he should be able to furnish stage wise on site technical								
1	reports from the concerned					e .			4
	company technologist. SSR no								
	50.79								
3.4	Providing and laying weep						- goog georgepage to a construct process of which where the construction	aanayaa aadi waxaa sarkee	9490-949 (P.S. 2006) (P.S. 2007) (P.S. 2007)
	holes of 100 mm diameter PVC	、							
							· · · ·		
	pipes as per drawing for	1050,00	rmt	560	588000	560.00	5,88,000.00	580	609000
	abutment returns, return walls					4			
	etc. Complete.						4		
	SSR no 17.37						er gannenstammentelstelstelstelst 168 - 1685 - 157 d. a. der		innegt market, and the set of
3.5	Providing and fixing 900 mm							4	
	high S.S.304 Grade Stainless	1					1		
	steel railing with 40 mm	, 1							
	diameter and 1.5mm thick at								
ĺ	top,40 mm diameter and 1.5								
	mm thick vertical supports								
	spaced at 1.5 m center to center	1050.00	rmt	4939	5185950	4,939.00	51,85,950.00	5100	5355000
	and 8mm thick toughened glass								
	including fabricating, fixtures,						4		
	errecting, necessary welding,	, J							
	grinding, finishing, buffing to	,							
	stainless steel pipe etc.	1		1 1					1
							1		
	1 SSR no 40 07						*** **	-	
361	SSR no 40.07 Stamp Concrete of 100mm		e denamen die wilder das falle (de 10.5 verster verster vers		addalar dar 186 (1971) or 187 dar an de antiska an an de antiska an		erourtusteren on somergeneour somergeneour	n na sana sa	navandardati 16° - 16° - 1° - 16° - 16° - 17° - 17° - 1
3.6	Stamp Concrete of 100mm	an san an a	a danama da milika da fakat (2013). Maraya da ara			enaanse aan en at - Gebrurk te	eron Frideling and a more a more families and a second	n - an ang sanang sa sa sa sa sa ta	alasangkalat Kana II ngi kangka tahu yang
3.6	Stamp Concrete of 100mm Thickness-Providing and		ulturan sile elille da falktista arrenditionen		an a su a			er og same en se	anneadaday (Kon-1) n Program (Kon-
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade				age of a first stand of a first standard and a standard standard standard standard standard standard standard s			e e e e e e e e e e e e e e e e e e e	theorem and a group of the second states of the second states of the second states of the second states of the s
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm							an a	60006697 (Pro-3) & 470000 (AA-3)WA
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm							en e	annandas line ise in ninada (ny. (mis
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a							an ang ang ang ang ang ang ang ang ang a	annandadd (fer ei e e ei annaff ( AA) fara
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm							en esperantese e presentes a recta fina	
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI			7					namadad giru, di 2-2 alterni - al (tra
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds			2					namadadi (in d. P. alimpi), ak (in
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine uggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as								
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383, as per mixed in a batching and			2					
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to 1S383,as per mixed in a batching and mixing plant/non tilting mixer	2040.00	Sa nit	1872	3818880	1,372.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per	2040,00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design admixtures ,transporting to site	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design , admixtures , transporting to site in nagpur city with lead upto	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600 ¥
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383, as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design , admixtures, transporting to site in nagpar city with lead upto 20KM (on Inner Ring Road	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383, as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design , admixtures ,transporting to site in magpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design ,admixtures ,transporting to site in magpir city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi),spreading,laying with	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600 * *
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design ,admixtures ,transporting to site in nagpar city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi),spreading,laying with approved make	2040.00	Sq nit	1872	3818880	1,872.00	38,18,880.00	1940	3957600 ¥ 2
	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design ,admixtures ,transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi),spreading,laying with approved make pover,compacted and finished	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600 ×
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design ,admixtures ,transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi),spreading,laying with approved make pover,compacted and finished in a continous operation	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600 ×
3.6	Stamp Concrete of 100mm Thickness-Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement,coarse and fine aggregate (naturalsand/VSI grade finely washed crusheds and )Confirming to IS383,as per mixed in a batching and mixing plant/non tilting mixer and weigh batcher as per approved mix design ,admixtures ,transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi),spreading,laying with approved make pover,compacted and finished	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600 ¥

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	is light fast UV resistant									
	pigment with appropriate chemical compounds of desired									Constant day day
	colour on base concrete after									-
	excess bleed water has									No.
	evaporated using dry shake									
	method@5kg.per sqm.Including texturing,and								-	-
	covering with plastic									Ì
	sheet(min200micron thickness)									
	and also applying two coats of									
	UV-stable,30%solids clear sealer@150 to 250gms per sqm									
-	using surface roller and					over the state				l
	protecting from falling dust, dirt									
	and curring by curring						1. A.			
	compound/by providing cement vata in cement						Phys.	- 7		
	Mortor1:8@0.6mx0.6m center									
	to center, admeasuring 80mm at							· · · · ·		
	bottom and 40mm at top with								www.any.com	
	depth of 75mm and maintaining the same through ou teuring				1				:	
	period by any other method									
	approved by Engineer-in charge							16 A.		to my
-	or Landscape architect									N margaret
	etc.complete.(prior approval of superinteding Engineer will be								5	
	necessary)						× .	2.50	1 ×	
	SSR/54.01	a paga manang pang pang pang pang pang pang pang	attanties the second process with the star	to an originalizability in Kondonto		a marana di sekontre arre a "e 15 "Della fatte" dal 13 Miller, e 1	-paragraphic second sector (\$25-1.55) or - 4- (p1, spectralized)	. Sector in a sector sector sector	Names - carrier	1 - 14-14
3.7	Providing and fixing kerb stone									1
	with led lighting system as per following specifications:									
	dimensions with vertical						1			
	mounting legs with10mm									
	horizontal square shape mild									
	steel reinforcements. Illuminated kerb stone having	1			-		2			
CLASSIC PAGE	visible dimensions:-									
- Minute Anna	500mmx150mmx150mm.									
	(asperire-86-1983) 80mm leg shaving ms reinforcements									
	shall be embedded in									
	bt/concrete road surface, the							and a second second		
	kerb stone should have kerb									and the second se
	angle of 45degree, with rubber plugs at both ends of the kerb									
	stones (2nos) having load									
	carrying capacity-									
	vertical:1465kg, horizontal:2349 (certified by									
	govt. Recoganized bodies)									
	having thermal stability-:-40 to									and and a second
	120degree celcius (certified by			7202	1.555.40	7 703 00	1.55 ( 10.00	8000	- 160000	
	govt. Recoganized bodies. Illuminated kerb stones	20.00	Rmt	7782	155640	7,782.00	1,55,640.00	0000	100000	
	including: in grace protection	An unity PAAN					···			
	and connect or rating ip 67,							t ser e		
	electrical wire- (asperis:694),						an or state			
	ledstrip (asperlm:80) standard. Including for electrical fixing-					-		1		
	frp junction box consisting of-						-			Cr. commence
	10amp. Switch module power						-		р 	
	supply (smps) having input									
1	voltage-230yac, output voltage 36ydc, 2polemch. Illuminated					d		and the second s		
	kerb stone shaving warranty for					1 million and the second s		19.		
1	3 years, illuminated kerb stone							× 1.	*	
	shall be fixed into cast-in-situ cement concrete of m20 grade					1		The second		
	at base, back filling and					-			-	Ì
	grooves, including dismantling,									
	fixing, removal of dismantled							2°		
1	a matanal and alabiting		1	1	1		1	1	1	
	material and cleaning etc Complete The colour of	e de la constante d			l	1		J		1
	etc.Complete.The colour of					n n n n n n n n n n n n n n n n n n n				
	etc.Complete.The colour of kerb stone shall be provided as directed by engineer in charge.						, ,			
	etc.Complete.The colour of kerb stone shall be provided as									o promoto na mante da constante da compositiva da constante da constante da constante da constante da constante

.8	FRP Pargola for Seating	25.00	Sq mt	15340	383500	15,340.00	3,83,500.00	15900	397500
.9	(Market Rate) Providing Geotextile filter fabric for retaining wall	7100.00	sqint	66	468600	66.00	4,68,600.00	68	482800
.0	SSR Page no 543 Material rate Providing structural steel work	an nin med na in mer da ha Babali yn 17 in sen ar sy be		•		-	986		
	of rectangular hollow steel section for steel trusses, other								
	similar trussed items like purlin and members with all bracing, gusset plates etc. as per detailed designs and drawings SSR no 23.11	3,00	МТ	124730	374190	1,24,730.00	3,74,190.00	129000	387000
.1	Providing aupplying, fabricating and fixing panel of aluminium composite panel cladding in approved shapemadeoutof4mmthickACP	an an guing ground an							
	sheetmaterialconsistingof3mmt hickFRgrademineralcorefollowi ngNBCpartIVFireandlifesafety(								
	having2hoursfireresistanceinac cordancetoASTME119- 12andBS476part6and7classO)s						19 J.		
	andwitchedbetweentwoalumini umsheets(each0.5mmthickofA A5005/AA3105grade)Thealumi	6.00	sqmt	4064	24384	4,064.00	24,384.00	4200	25200
	niumcompositepanelcladdingsh eetshallbecoilcoatedwithkynar5 00basedPVDF/Lumiflonbasedfl	0.00	squit	4004	24,004	4,004.00	27,007,00		
	uropolymerresin(having70:30ra tioofPVDFandacrylic)coatingof								, >
	approvedcolourandsg=hadcont opfaceandpolymer(service)coat ingofbottomfaceasspecifiedusin							€ ŝo o -	
	gstainlesssteelscrews, nuts, bolts, washers, cleats, weathersiliconse alent, backerrodsetc.overallweig htofileACPshallnötbelessthan7						и - - - -		
2	SKilogram/ One Square Metre) SSR no 51.100 Providing and Fixing Processed	nanastrukuurnistasis – nenderkeerinetter	a manana da katala da sa	s a constantante de cela cela com de com de c	- p. operation in the product of the second seco	en en ser	indirection of the indexteroid of the second	anan antika antoponota	
	Stone Cladding on wall surface/ plywood surface. RCC pardi/ Wall and all type of Interior,						en ge <sup>ne</sup> som		
	Exterior Compound wall and Gate etc. of cladding processed stone with material of	6.00	ramt	9028	54168	9,028.00	54,168.00	9250	55500
	Processed clay, Wooden chips, Silica sand, Cement, GFRC admixtures, Colour pigments, Fiber up to thick of 230 mm/ 25 nun including scaffolding,	0.00	sqmt	7020	:	9,020,00			
	fixing of screw, etc. (As directed by Engineer in Charge) SSR no 51,192			1					l 
<b>1.3</b>	GARDEN SOIL Supplying on site garden soil well sieved 90% to pass through I.S. sieve of 10mm size Free from stones							n Alb Alb	
	rubbish like dried grass roots and other such materials. The soil should be fresh be	400.00	Cu.M.	1500	600000	1,500.00	6,00,000.00	1550	620000
	measured by measuring box (Farma) Item includes royalty charges, octroi, corporation Tax				e. E				
	Transporting, loading – unloading etc GDSR						1 A.	5	
1,4	FARM YARD MANURE: - Supplying on site well decayed, well dried, well powdered,	999923 v 2000 CEAN 2010 ANN ANN ANN ANN ANN ANN ANN ANN ANN					3 		
	without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box. (Farma)	240.00	Cu.M.	1550.	372000	1,550.00	3,72,000.00	1600	384000

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			and and the second s	management policy ( - compared with the start - 11	k mant papers, size,, i jedanja zakaoni di sere en	- Y - Fryskinger, - Seeffer aan en de steken van de ste	pasanana minanananya masa ca ma minana	properties and contractions to consider the	in the state of th	
	Item includes Transporting, loading -unloading etc (.Lead charges per 50 km. considered.) GDSR	-gogge anna gg- i dha nn nn da dha nd nn dha nd nn dh			-	-				State
4.5	Proparing Instant Lawn : Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms.( consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	240.00	Sq.M.	773	185520	773.00	1,85,520.00	800	192000	y A second se
4,6	Supplyings & planting of plants required for landscaping:- Bahva (Amaltash) Bakul (height of plant 8-10 ft ) GDSR	100.00	Nos.	548	54800	548.00	54,800,00	560	56000	neon ar o an an Anna Anna Anna Anna Anna Anna A
4.7	Planting large flowering / shady trees :-Areca Palm should be well Developed,Good Branching healthy Condition,appropriate Size in Polybag,undamaged.7-8 FT GDSR	100.00	Nos.	1250	125000	1,250.00	1,25,000.00	1300	130000	and a providence of the second second
4.8	Supplying & erecting triple pole and neutral distribution board (TPNDB),SPMCB of 12 ways /phase (36 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on iron/GI frame (horizontal busbar type) as per specification no. SW- SWR/MCBDB CSR 5.4.3	2.00	Nos	4610	9220	4,610.00	9,220.00	4775	9550	
4.9	Supplying and erecting single pole and neutral distribution hoard (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1,2mm thickness surface / flush mounted, IP 43 Protection on iron /GI frame as per specification no. SW- SWR/MCBDBCSR 5.4.9	1.00	Nos	1495	1495	1,467.00	<b>1,467.00</b> .	1550	1550	n na marana manda ang mang mang mang mang mang mang mang
5.0	Supplying, erecting & marking SP MCB 6A to 32A, C-series with rated short circuit breaking eapacity (Ien) 10kA in provided distribution board as per specification no. SW- SWR/MCB CSR 5.3.2	82.00	Nos	174	14268	174.00	14,268,00	180	14760	
5.1	Supplying, erecting & marking FP MCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB CSR 5.3.13	2,00	Nos	1329	2658	1,329.00	2,658.00	1350	2700	
52	Supplying, creating & commissioning 2 pole RCCB 40A, cleatromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no.SW- RCCB/RCCB CSR 5.6.2	6.00	Nos	2207	13242	2,207.00	13,242.00	2250	13500	
5.3	Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip)	120.00	Mtr.	316	37920	316.00	37,920.00	325	39000	er dare

	, and the second se		1973 \$	<b>د</b> بالمحقق بالمحقق		ş	,		da munu gantu katagatan
	cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7.2.16	÷.							
5.4	LV Cables of following sizes to be laid buried in ground/ laid in cable trays in ready made trenches, cables shall be fitted on wall / ceiling by the means of saddle & spacers. Miscellaneous items such as cable dressing accessories like nylon tie, Aluminium clamps, GI cleats, cable tags etc. are included in the scope. Removal of empty drums, cartoons and making the site normal as instructed by Purchaser client is included in scope. Supplying, erecting & terminating FR XLPE insulated, galvanised steelformed wire armoured (strip) cable 1100 V, 4 core 10 sq. nm. copperconductor complete erected with glands & lngs, on wall/ trusses/ pole or laid inprovided trench/ pipe as per specification no. CB-	240.00	Mtr.	603	144720	603.00	1,44,720.00	625	150000
5.5	LT/CUCSR 7.2.33 Cable end terminations for LV, XLPE/PVC insulated, PVC sheathed, armoured/ unarmoured cables including supply and fixing of single compression cable glands, stripping of cable insulation, supply and fixing of tinned plated copper lugs for copper cables for all phases and crimping the same to the conductor for the following cables. Miscellaneous items like cable lugs, G.1 nut - bolts and G.1 washers , consumables and other hardware materials as required to make the installation complete, are in the scope. All G.1 Nut, bolt and washers shall be HDGI with 80 micron. One set of termination includes gland, lugs for cable core & accessoriesSupplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm for XLPE armoured cable as per specification No.	6.00	Nos		522	87.00	522.00	90	540
5.6	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 160 mm outside dia, double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 7.6.14	200.00	Mtr.	496	99200	496,00	99,200,00	515	103000
5.7	Supplying, fixing and commissioning 2 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as	1.00	Nos	3182	3182	3,182.00	3,182.00	3300	3300

······ )	per specification no SW-			1999 (1999) and 1999 (1999) and 1999	nikalan kerdalah dali ananga tike ang kang tahun kerdisi kerdika				nangama sa mangana ang sa sa sa sa sa	1 .
	RCCB/RCBO CSR 5.6.10			and a state of the latest of t	Constantin' a serie da management per angeneration de la constantina de la constantina de la constantina de la c	an a		4 1	nimenti ettereven sin a tri a serie i siste	
5.8	Point wiring for light/bell/exhaust fan in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E) FRLSH grade copper wire, modular type switch, earthing and required accessories as per specification No: WG-PW/SW CSR 1.7, 19	24.00	Nos	552	13248	552.00	13,248.00	575 	13800	the second state of the se
5.9	Secondary point wiring for additional light/ bell point, concealed type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires with required accessories as per specification No: WG-PW/CW CSR 1.7.22	28.00	Nos	204	5712	204.00	5,712,00	210	5880	n mang jan mang baga na katang mang na katang katan
6,0	Supplying and erecting modular type switch 6A / 10A duly erected on provided plate and box with wiring connections complete, CSR 1.6.1	28.00	Nos	72	2016	72.00	2,016.00	75	2100	$\sum_{i=1}^{n}$
6.1	Supplying and erecting modular type 3 pin 6A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete CSR 1.6.10	5.00	Nos	112	560	110.00	550.00	11.15	575	2. Second state in the second state of the
6,2	Supplying and crecting mains with 3x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification NoWG-MA/BW CSR 1 3.6	7550.00	mtr	93	702150	93.00	7,02,150.00	95	717250	والمعاولية المراجع والمراجع والمراجع والمراجع وأرغرتهم والمراجع والمراجع والمراجع والمراجع والمراجع
6.3	Supplying and creeting HMS PVC conduit FRLS grade 25 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC. CSR 1.1.9	5900,00	mtr	127	749300	127.00	7,49,300.00	130	767000	
6.4	Supplying and erecting integrated LED street light fitting 60W IP65 & IK08class having single piece pressure die-cast aluminium housing, having systemlumens output of Min. 6600 Lumens, min. efficacy of 110 lumen/W, CRI>70,CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuiltsurge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including drivercomplete with 3 Years warranty as per specification No FG-ODF/FLS2 CSR 2.4.5	191.00	Nos	4970	949270	4,970.00	9,49,270.00	5155	984605	e o de la se a la seconda de la seconda d
6.5	Supplying and erecting Gate/garden light fitting with 200mm dia. glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FGODF/GLT CSR 2.5.1	39.00	Nos	529	20631	528.00	20,592.00	550	21450	

			· . 21						
6.6	Supplying and erecting LED square / circular Max. 11 W down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CR1>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty. CSR 2.1.3	75.00	Nos	796	59700	795.00	59,625.00	825	61875
6.7	Supplying and erecting Street light bracket for erection of Single fitting on tubular welded pole with 40 mm. dia 1.0 m. length "B" class G.I. pipe along with pole cap of 125mm dia 600 mm long duly welded as per specification no. FG-BKT/BPC CSR 2.7.7	43.00	Nos	1680	72240	1,680.00	72,240.00	1740	74820
6.8	Supplying and erecting Street light bracket for erection of Double fitting ontubular welded pole with 40 mm, dia 1.0 m. length "B" class G.I pipe alongwith pole cap of 125mm dia 600 mm long duly welded as per specification no.FG-BKT/BPCCSR 2.7.8	94.00	Nos	2154	202476	2,145.00	2,01,630.00	<b>223</b> 5 "	210090
6.9	Supplying and erecting GI wire of high purity of required sizes used for earthing or any other purposes on wall with necessary G. I. Clamps fixed on wall/cable/ conduit with screws complete. CSR 9.2.5	8.00	kg	155	1240	150.00	1,200.00	160	1280
7.0	Supplying and erecting G.I. pipe pole 'B' class 80 mm dia 6 m long with pole cap, base plate in provided foundation as per specification no. OH- PL/GIP CSR 8.1.16	117.00	Nos	5545	. 648765	5,535.00	6,47,595.00	5750	672750
7.1	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no.EA-EP CSR 9.1.1	2.00	Nos	4715	9430	4,710.00	9,420.00	4890	9780
Print of the second			-		409583862.3		40,95,81,644 Final Negotiate Amount		421924602

वरील कामी मे. श्री.जी. इपीसी प्रा.लि. यांनी वरील दराची (रु. 40,95,81,644/-) निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक

एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत. कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

दिपक खांबित)

शहर अभियंता मिरा-भाईदर सहानगरपालिका

\*C8/08/24-25/PG-22

मा. आयुक्त यांच्या मान्यतेने

मा. महासमा / स्मवी समिती जमा केवा एक दि र (00 शि 2028 ( सार्य- प्र: 34 वा किंग्स के द्र 945 के 2028 ( 24 किंग्स के 2028 ( 24) किंग्स के 2028 ( 24) किंग्स के 2028 ( 24) किंग्स के 2028 ( 2028 ( 24) किंग्स के 2028 ( 24) मिरा-भाईदर महानगरपालिका

## मिरा-भाईंदर महानगरपालिका

### प्रशासकीय ठराव दिनांक 0 9 सप्टेंबर 2024

94£ विषय क्र. ( ) :- मा. आयुक्त महोदयाकडील कामकाज

निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी		का	माचे नाव				अंदाजित खत्त	F	নি	विदाधारकाच	ो नाव
1	2			3				4			5	
1.	1052415_1	डेव्लपमेट	नधील साबर च्या धर्तीवर गलिका हद्व	. मिरा भा	ईंदर		<b></b>	0,95,81,644	4/-	मे. श्री.उ	ती. इपीसी	प्रा.लि.
			े डेव्हलपमेंत कास योज		(मुलभुत	सोई				मे.एन.ए	.कंस्ट्रक्शन	
SI. No	Item Descri	1 2	Quantity	Units		M/s.	Shree	ji EPC PVt. Li	d.	l. F	CONSTRU	CTION PVT. TD
					Quated Rate	Quat Amou		Final Negotiate Rate		Negotiate 10unt	Rate	Amount
1.1	Excavation for four earth, soils of all typ gravel, soft murum shoring and strutting dewatering as neces disposing off excava directed etc. comple Mechanical Means a) Upto 1.50m lift N b) 1.50m to 3.00m l 10% c) 3.00m to 4.50m l 20% d) 4.50m to 6.0m lift SSR No 12.03	bes, sand, including g, issary and ated stuff as tee, ( By ) Jormal Rate ift, Add ift, Add ft, Add 30%	8430.75	Cum	95	80092.1	.25	95.00	8,00	,921,25	.100	843075
1.2	Excavation for foun hard murum includi and strutting, dewat necessary and dispo- excavated stuff as d complete. a) Upto 1.50m lift N b) 1.50m to 3.00m li 10% c) 3.00m to 4.50m li 20% d) 4.50m to 6.0m li SSR No 12.04	ing shoring tering as ssing off lirected etc. Normal Rate lift, Add lift, Add	3798.45	Cum	253	96100*	7.85	253.00	9,61	,007.85	260	987597
1.3	Excavation for four hardrock by chisell wedging or line dril including shoring a dewatering a sneces disposing off excav asd irected etc. com SSR No 12.11	ing and lling nd strutting, ssary and ated stuff	35700.00	CUM	2027	72363	900	2,027.00	7,23,0	53,900.00	2100	74970000
1.4	Excavation for four soft rock including strutting, dewaterin necessary and dispr excavated stuff as c complete. a) Upto 1 Normal Rate b) 1.5 lift, Add 10% c) 3.0 4.50m lift, Add 20% to 6.0m lift, Add 30 SSR no 12.08	shoring and ag as osing off directed etc. 1.50m lift 00m to 3.00m 00m to % d) 4.50m	12.30	СИМ	585	7195	5.5	585.00	7.	195.50	605	7441.5

all and a second second

1.5	Excavation for foundation /			[						
	pipe trenches in slush muddy /	an an an tha Aria. An an an Arian							,	7
	marshy / slushy / soil including use of poclain, labour for			and the second s	n in ann idealan an an A					
	dewatering during execution						14 - C			-10
	including									
	removing the excavated material upto a distance of 50					5. Š	× ge			0
	metres and lifts as below,	28560.00	cum	448	12794880	448.00	1,27,94,880.00	465	13280400	
	stacking and spreading as	10000.00		1.						*
	directed, preparing the bed by cleaning the mud, labour									
	required for execution for			100				×		*
	shuttering item but excluding backfilling, etc. complete.									
	Providing and fixing shuttering									
	shall be paid separately.									adalah kanaga
1.6	MJP SSR Dewatering on BHP basis by								a na sa ang kanala sa na kana na kana kana kana kana kana	X:nm
1.0	using water pump including				and the second second					
	diversion of stream, providing									
	coffer dams, earthern bunds etc. as may be necessary for									,
	foundation and other parts of				2				ŕ	
	the works and pumping out	1380.00	Hour	210	289800	210.00	2,89,800.00	215	296700	
	water during and after excavation as may be required									
	by using 5.0 to 9.0 BHP pump									
	etc. complete. (prior approval								n di Line an	-
	of Superint ending Engineer will be necessary).								1.1	
	SSR no 12.23								· · · · ·	
1.7	Providing solingusing 80								1	-
	mmsize trap metal in 15 cm. layer including filling				iamitica		12 51 100 00	2200	4511100	
	voids with Crushed sand/grit,	1367	Cum	3200	4374400	3,200.00	43,74,400.00	3300	4511100	
	ramming, watering etc.								1. M. 1.	
1.8	complete.) SSR no 21.40 Providing and laying in situ /			+						weather
1.0	ready mix / ready mix M15									
	cement concrete of trap /				-					
	granite / quartzite / gneiss metal in foundation including									
	necessary centering, formwork,							1	1	a la comuna
	bailing out water, compacting	100.00	6	0011	2000702 52	0.011.00	36,06,792.53	8250	3714397.5	
	and curing etc. complete. (with fully automatic micro processor	450.23	Cum	8011	3606792.53	8,011.00	30,00,792.33	8250	5/14527.5	
	based PLC with SCADA									
	enabled with reversible drum									
	type mixer / concrete batch mix plant (pan mixer) with natural									-
	/artifical sand)									
	SSR no 24.04		+			-				
1.9	Providing and laying Cast in situ / Ready Mix cement					а.				
	concrete in M20 of trap /					te.				inang of
	granite / quartzite / gneiss metal									
	for bed blocks, foundation blocks and such other items									
	including bailing out water,									-
	Steel centering, formwork,					1				and a strength of the
	laying / pumping, compacting, roughening them if special									
	finish is to be provided,									
	finishing uneven and									
	honeycombed surface and curing etc. complete. The							1		
	Cement Mortar 1:3 plaster is	2087.40	Cum	8344	17417265.6	8,344.00	1,74,17,265.60	8550	17847270	
	considered for rendering	2007,40	Quin	0544	1.111/200.0	0,01100				
	unevenand honeycombed surfaceonly. Newly laid									
	concrete shall be covered by									
	gunny bag, plastic, tarpaulin									
	etc. (Wooden centering will not be allowed.), with fully									-
	automatic micro process or									
	based PLC with SCADA									
	enabled reversible Drum Type mixer / concrete Batch mix									÷.
	plant (Pan mixer) etc. complete.									
	Withfine aggregate (Crushed		1		1	1		1 · · · · ·		:
ĺ	sand VSI Grade)				1				-	1.

								T	the proceeding of the second
2.0	Providing and laying Cast insitu / Ready Mix cement concrete in M-25 of trap /granite /quartzite /gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/ pumping, compacting and roughening them if special finish is to be provided and euring complete.(Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mixplant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR no 26.19	5215.20	Cum	17974	93738004.8	17,974.00	9,37,38,004.80	18500	96481200
2.1	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams as per detailed designs and drawings or as directed including centering, SSR no 25.54	144.00	Cum	14553	2095632	14,553.00	20,95,632.00	15000	2160000
2.2	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, SSR no 25.35	20.25	cum	16144	326916	16,144.00	3,26,916.00	16500	334125
2.3	Providing and laying Cast in situ / Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering.SSR no 26.23	3.00	CUM	7550	22650	7,550.00	22,650.00	7800	23400
2.4	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, fornwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan	648.00	Cum.	16300	10562400	16,300.00	1,05,62,400.00	16750	10854000
2.5	mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR no 25.74 Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcementof various diameters forR.C.C. pile caps, footings, foundations, slabs,	1216.52	мт	98845	120246919.4	98,845.00	12,02,46,919.40	102000	124085040

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						÷			an dentifier constability for states for the	de lat
	staircase, newels, chajjas,				an air air an					
	lintels pardis, copings, fins,									· · ·
	arches etc. as per detailed designs drawingsandschedules.									
	includingcutting, bending,									
	hooking the bars, binding with									
	wires or tack welding and									
-	supporting as required									~
	complete SSR no 26.34									
2.6	Providing Fusion Bonded		-3600000-0000-000000-0000000-0	a garanganagan di san jinikadi			- Childen (a. c.) dould donne an active care and	- Constant Statements and Statements	ali manufati na manufati na manufati na manufati na ma	-
	Epoxy Coating	15.00	MŤ	11383	170745	11,383.00	1,70,745.00	11750	176250	
400 - 11100 - MILLION	SSR no 26.41			a and the same second Wildows	a character a construction of the objection the statement	energia maggines constant ten sono atte	all and the state of the state		ang a ng a ang ang ang ang ang ang ang a	
2.7	Providing and fixing bituminous pad 25mm thick for									
	expansion joints in retaining							1000	21025	
	wall, compound wall etc.	168.00	SQMT	1855	311640	1,855.00	3,11,640.00	1900	319200	
	complete.									-
	SSR no 30.11	a s. Lateria and positive operations and the second statements			e en ester un la protocitizant (en processe esternord technologi		applying a second s	, - 1 page - als - angentit gan werteledarin acti	an al about the second second second second second	-
2.8	Conveying excavated material upto lid of 20KM (Lead Chart)	76501.50	CUM	469	35879203.5	469.00	3,58,79,203.50	475	36338212.5	
2.9	Providing Autoclaved Aerated			n an	and a second				and an arise for a star to the strate is defined as	*
	Concrete Block masonary of									
	conforming to IS:2185 (Part3)- 1984 in extra fine jointing								, 8	
	mortar of fix oblock of			1				1. A.	1 19 19	1
	UltraTech or equivalent in									Server 1
	superstructure including	131.37	CUM	7708	1012599.96	7,708.00	10,12,599.96	7900	1037823	
	striking joints, raking out joints and scaffolding									-
	etc,Complete.(The test shall be				· · ·	-				
	carried out conforming to				-			100 C		
	IS:6441 (Part I) - 1972)SSR no 27.15									
3.0	Providing Autoclaved Aerated				and the second		e dan nyakan makan tanàna mandri sa ana amin'ny mandri dia mandri dia mandri dia mandri dia mandri dia mandri d	a pour normal and any second second of a		
	Concrete Block masonary of									
	conforming to IS:2185 (Part 3) - 1984 in extra fine jointing									
	mortar of fixoblock of								4	
	UltraTech or equivalent in Half	3.01	sqmt	1080	3250,8	1,080.00	3,250.80	1120	3371.2	
	brick thick wall including striking joints, raking out joints		squin							- Conservation
	and scaffolding etc.Complete.								· 5	
	(The test shall be carried out									
	conforming to IS:6441 (Part I) -				ş					
3.1	1972) SSR no 27.16 Providing and laying in				a a na maga na panala na ing ing ng n		novel, where the entropy and provide specify (per - 20 and 10 Mills), in	int concernantisticherin	angeografi prij veninantij ograf - , , en Baltele, Mi <sup>a er</sup>	1
	position flooring of telephone								· ··· ·	
	black / Amba White / Cat bary									and the second se
	brown / Ruby red / Ocean Brown granite stone of									
	approved shade and size 18 mm	213.28	Camt	4245	905373.6	4,245,00	9,05,373.60	4400	938432	and the second
	to 20 mm thick on bed 1:6	215.20	Sq mt	4240	902373.0	4,245.00	3,03,375,00	11100	200-02	$\left  \right\rangle$
	cement mortar including cement floats striking joints,									
	pointing in C.M. 1:3 curing and									
	cleaning etc. complete								a a	
3.2	SSR no 33.34 Providing sandfaced plaster		erneste erneste inner en en selfe i beinert ge					40, 0, - 100, 304 - 40 - 92 (2-20 - 40 - 40 - 40 - 10)	, names and a second s	4
1.0	externally in cement mortar						- D			
	using approved screened sand							and a second		
	, in all positions including base coat of 15 mm thick in cement								P	
	mortar 1:4 using water proofing				1			1. A.	м. М	
***	compound at 1 Kilogram per									
	cement bag curing the same for								-1	
	not less than 2 days and keeping the surface of the base	14242.50	sqmt	701	9983992.5	701.00	99,83,992.50	725	10325812.5	
	coat rough to receive he sand								~	
	faced treatment 6 to 8 mm thick				x					
	in cement mortar1:4finishingthesurfaceby									
	takingout grains and curing for				Aug			1	1	
	fourteen days scaffolding							5		1
	etc.complete. SSR no 32.11					1				
3.3	Providing and applying two			ana ga sadan sana kada sana sa da gisara k					nyalako kalendo kon osta menden sekaratan 100	1
	coats Apex Ultima Puranature							1	5	i
	Anti-Pollution Or equivalent	14242.50	الم ستخدم	390	SEEVENE	200.00	22 24 272 00	100	5607000	
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using surface roller and		evaporated using dry shake method@5kg per sqm.Including texturing.and covering with plastic sheet(min200micron thickness) and also applying two coats of UV-stable.30%solids clear			I					
protecting from falling dust,dirt		evaporated using dry shake method@5kg per sqm.Including texturing.and covering with plastic sheet(min200micron thickness) and also applying two coats of UV-stable.30%solids clear			z					
	and a second	evaporated using dry shake method@5kg per sqin.Including textucing.and covering with plastic sheet(min200micron thickness) and also applying two coats of UV-stable.30%solids clear sealer@150 to 250gms per sqm using surface roller and			z					

a	and curring by curring				a Dible (an Couloment on Coulombia and an Anna		and a definition of the second s	y conservation of the second	na contract i provinciale data si 1944	
	compound/by providing cement vata in cement									-
	Mortor1:8@0.6mx0.6m center									
	to center admeasuring 80mm at				٠	-				
	bottom and 40mm at top with depth of 75mm and maintaining									general) to p
	the same through ou touring									-
	period by any other method									
	approved byEngineer-in charge or Landscape architect									
	etc.complete.(prior approval of									
	superinteding Engineer will be									
3.7	necessary ) SSR/54.01 Providing and fixing kerb stone		etterent og til deterer som en en en deterer som det ettere	an ang panggapang sa sa sa darang taonin ma	an na an a	an a	ete direkterilikinin andara (d. ba saarj, cosara (d. p.)	and an and the second	angeneralisieseense, (millionen al. 1. a.u.)	~~~
	with led lighting system as per				-				· · ·	
	following specifications: dimensions with vertical									e la consta
	mounting legs with 10mm									- Biographic
	horizontal square shape mild									a) mode
	steel reinforcements. Illuminated kerb stone having									and an end
	visible dimensions:-									
	500mmx150mmx150mm.					-				-
	(asperirc-86-1983) 80mm leg shaving ms reinforcements									
	shall be embedded in									t
	bt/concrete road surface, the								1	
	kerb stone should have kerb angle of 45degree, with rubber				×					and the second
	plugs at both ends of the kerb							· ·		-
	stones (2nos) having load carrying capacity-								and the second se	and a solution
	vertical:1465kg,									Second - Longer
	horizontal:2349 (certified by									- And a second second
	govt. Recoganized bodies) having thermal stability-:-40 to								1	and a second
	120degree celcius (certified by	20.00	Dunt	7782	155640	7,782.00	1,55,640.00	8000	160000	national in a
	govt, Recoganized bodies.	20.00	Rmt	1102	10040	7,782.00	1,55,040100	3000	100060	
	Illuminated kerb stones including: in grace protection							. *		Press and
	and connect or rating ip 67,									-
	electrical wire- (asperis:694), ledstrip (asperlm:80) standard.									
	Including for electrical fixing-									and the second
	ftp junction box consisting of-									and the second
	10amp. Switch module power supply (smps) having input								an a	
	voltage-230vac, output voltage									No.
	36vdc, 2polemcb. Illuminated									
	3 years, illuminated kerb stone								-	and the second second
	shall be fixed into cast-in-situ								$(x,y) \in \mathbb{R}^{n \times n}$	an inizia anna
	cement concrete of m20 grade at base, back filling and				,					1 These
	grooves, including dismantling,									
	fixing, removal of dismantled								P.	
	material and cleaning etc.Complete.The colour of									
	kerb stone shall be provided as									
-	directed by engineer in									
3.8	charge.SSR no 54.05 FRP Pargola for Seating					1.7.5.40.00	3 03 <u>-</u> 00 00	1:000	009200	
0,0	(Market Rate)	25.00	Sq int	15340	383500	15,340.00	3,83,500.00	15900	397500	
-3,9	Providing Geotextile filter	7100.00	namt	66	468600	66.00	4,68,600.00	68	482800	
	fabric for retaining wall SSR Page no 543 Material rate	7100.00	sqmt	00	408000	00.00	4,00,000.00	00	10000	
4.0	Providing structural steel work	an an ing an in gaan a dinagining dina	an - antaing frankis y . 19.		ana ya 200 jina a najaya najadaya kata kata	and an	nesekenikaitaita dina dina kata satu	and the second s	nan berger in der der der der der der	
	of rectangular hollow steel section for steel trusses, other									
	similar trussed items like	2 00	ATT	104770	274100	1 2 ( 720 00	3,74,190.00	129000	387000	
	purlin and members with all	3.00	MT	124730	374190	1,24,730.00	3,74,190.00	129000	387000	
	bracing, gusset plates etc. as per detailed designs and	Υ.		[						
	drawings SSR no 23.11				nga ng ngagagan sa sa sharana sa s		a na seconda da seconda da seconda da seconda da seconda da		an a	
4.1	Providing ,aupplying,	n se series, s., , et en dégrée desseur régioners	and the second		aan de meerste geer die heefde eende eenseld	<ul> <li>" and the second state state spin to the second state</li> </ul>			and and a product of the	and a second
	fabricating and fixing panel of aluminium composite panel									
	cladding in approved	6.00		1061	גטרגר	106100	74 20 4 00	4300	25200	
	shapemadeoutof4mmthickACP	6.00	sqmt	4064	24384	4,064.00	24,384.00	4200	20200	
	sheetmaterialconsistingof3mmt	ł		1			1	1		
	hickFRgrademineralcorefollowi									

	1			e i de					
	having2hoursfireresistanceinac cordancetoASTME119- 12andBS476part6and7classO)s andwitchedbetweentwoalumini umsheets(each0.5mmthickofA A5005/AA3105grade)Thealumi	ų							
	niumcompositepanelcladdingsh eetshallbecoilcoatedwithkynar5 00basedPVDF/Lumiflonbasedfl uropolymerresin(having70:30ra tioofPVDFandacrylic)coatingof approvedcolourandsg=hadeont			and the second sec		~			
	opfaceandpolymer(service)coat ingofbottomfaceasspecifiedusin gstainlesssteelscrews,nuts,bolts, washers,cleats,weathersiliconse alent,backerrodsetc.overallweig htoftheACPshallnotbelessthan7 .5Kilogram/ One Square Metre)	- - - 		e.					-
4.2	SSR no 51.100 Providing and Fixing Processed Stone Cladding on wall surface/ plywood surface. RCC pardi/ Wall and all type of Interior, Exterior Compound wall and Gate etc. of cladding processed		1						
rang ng Kalabah na mga ta kan sa na mga manang ikan sa na mga mga ng	stone with material of Processed clay, Wooden chips, Silica sand, Cement, GFRC admixtures, Colour pigments, Fiber up to thick of 230 mm/ 25 mm including scaffolding, fixing of screw, etc. (As	6.00	šqmt	9028	54168	9,028.00	54,168.00	<b>9250</b>	55500
4.3	directed by Engineer in Charge) SSR no 51.192 GARDEN SOIL :- Supplying on site garden soil well sieved 90% to pass through I.S. sieve of 10mm size Free from stones rubbish like dried grass roots	~						e A	
	and other such materials. The soil should be fresh be measured by measuring box (Farma) Item includes royalty charges, octroi, corporation Tax Transporting, loading – unloading ete	400.00	Ċu.M.	'1500	600000	1,500.00	6,00,000.00	1550	620000
4.4	GDSR FARM YARD MANURE: - Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other								and an and a second
	nibbish material. The color of the manure generally is black. The manure will be measured by measuring box. (Farma) Item includes Transporting, loading -unloading etc (Lead charges per 50 km. considered.). GDSR	240.00	ču.M.	1550	372000	1,550.00	3,72,000.00	1600	384000
4.5	Preparing Instant Lawn : Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms.( consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	240,00	Sq.M.	773	185520	773.00	1,85,520.00	800	192000
4,6	garden work, st (v0.384) Supplyings & planting of plants required for landscaping:- Bahva (Amaltash) Bakul (height of plant 8-10 ft ) GDSR	100.00	Nos.	548	54800	548.00	54,800.00	560	56000

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			4							
7	Planting large flowering / shady trees :-Areca Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged 7-8 FT GDSR	100.00	Nos.	1250	125000	1,250.00	1,25,000.00	1300	130000	g g g g g g g g g g g g g g g g g g g
.8	Supplying & erecting triple pole and neutral distribution board (TPNDB),SPMCB of 12 ways /phase (36 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on iron/GI frame (horizontal busbar type) as per specification no. SW- SWR/MCBDB CSR 5.4.3	2.00	Nos	4610	9220	4,610.00	9,220.00	4775	9550	
9	Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface / flush mounted, IP 43 Protection on iron /GI frame as per specification no. SW- SWR/MCBDBCSR 5.4.9	1.00	Nos	1495	1495	1,467.00	1,467.00	1550	1550	
.0	Supplying, creeting & marking SP MCB 6A to 32A, C-series with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB CSR 5.3.2	82.00	Nos	174	14268	174.00	14,268,00	180	14760	
.1	Supplying, erecting & marking FP MCB 40A to 63A, with rated short - circuit breaking capacity (len) 10kA in provided distribution board as per specification no. SW-SWR/MCB CSR 5.3.13	2.00	Nos	1329	2658	1,329.00	2,658.00	1350	2700	n
2	Supplying, creeting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no.SW- RCCB/RCCB CSR 5.6.2	6.00	Nos	2207	13242	2,207.00	13,242,00	2250	13500	
.3	Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7.2.16	120.00	Mtr,	316	37920	316.00	37,920.00	325	39000	
5,4	LV Cables of following sizes to be laid buried in ground/ laid in cable trays in ready made trenches, cables shall be fitted on wall / ceiling by the means of saddle & spacers. Miscellaneous items such as cable dressing accessories like nylon tie, Aluminium clamps, GI cleats, cable tags etc. are included in the scope. Removal of empty drums, cartoons and making the site normal as instructed by Purchaser client is included in scope. Supplying, erecting & terminating FR XLPE insulated, galvanised steelformed wire armoured	240,00	Mtr,	603	144720	603.00	1,44,720.00	625	150000	

r	(strip) cable 1100 V, 4 core 10	T			nająca – na posiako nako nako nako da mamakako ki		nen gen binen der unterpfolgt mit sonnen an gen unter Filmeliken delle Stationen der Hollen (1999) 		a an
	sq. mm. copperconductor								
	complete erected with glands & lugs, on wall/ trusses/ pole or		1						
	laid inprovided trench/ pipe as								
	per specification no. CB-								
	LT/CUCSR 7.2.33				an ja manadallahal saabahained (kiterine is mitter) (aarom) (kiter				ang aga ang ang ang ang ang ang ang ang
5.5	Cable end terminations for LV, XLPE/PVC insulated, PVC	X				, ·			
	sheathed, armoured/			05					
	unarmoured cables including								
	supply and fixing of single compression cable glands,								
	stripping of cable insulation,								
	supply and fixing of tinned								
	plated copper lugs for copper		3						
	cables for all phases and crimping the same to the						N.		
	conductor for the following					-	<i>*</i>	~	
	cables. Miscellaneous items								
	like cable lugs, G.I nut - bolts and G.I washers, consumables	6,00	Nos	87	522	87,00	522.00	90	540
	and other hardware materials as								
	required to make the							-	
	installation complete, are in the scope. All G.I Nut, bolt and						<i>a</i>		
	washers shall be HDGI with 80		*				1		
	micron. One set of termination					2			
-	includes gland, lugs for cable core & accessoriesSupplying &								
	erecting single compression								
	type brass cable glands for 3 to						ver (forsever) en de		
	4 core 6 sq mm /2 to 4 core 10 sq mm for XLPE armoured								
	cable as per specification No.								
	CB-GL CSR 7.7.2	na ang ngapagan kaong na kaong	an shipi an sin naanna ( da baha)		variation and the second se	10			onter a contractor a contractor
5.6	Supplying and laying	1					5.	· .,	
	(including excavation of suitable width & depth up to 90							a di s	
-	em) 160 mm outside dia,								
	double wall corrugated pipes	200.00	Mtr.	496	99200	496.00	99,200.00	515	103000
	(DWC) of HDPE for enclosing cable below								
	ground/road surface, to								
, · 10	required depth complete.							1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
5.7	CSR 7.6.14 Supplying, fixing and				an a		ne vagor provinskog og segneter og senere verskener (* 1921 - 1944 - 19	and the second sec	W MARKET AND CONTRACTORS
J. (	commissioning 2 pole RCBO								
	32/40A, with overcurrent, rated								-
	short-circuit breaking capacity (10 kA) and earth leakage			2102	2102	2 192 00	3,182.00	3300	3300
	protection, with 30/100/300 mA	1.00	Nos	3182	3182	3,182.00	5,182.09	0000	
	sensitivity and short circuit and								
	earth leakage trip indication as per specification no SW-								-
	RCCB/RCBO CSR 5.6.10				www.edubacconducture.com				nggagagagagagagagaga - anano - solo-2009/1000/1
5.8	Point wiring for								
	light/bell/exhaust fan in PVC trunking (casing-capping) with								
	1:5 sq.mm (2+1E) FRLSH							enr	13800
	grade copper wire, modular	24.00	Nos	552	13248	552.00	13,248.00	575	13600
	type switch, earthing and required accessories as per						Yanga mana ang kang kang kang kang kang kang ka		
	specification No: WG-PW/SW								
-	CSR°1.7.19	and a state of a state of the s	The surface of the second	-	nan ini mila ani va kata na si mana mana ma	and a second statement of the design of the second s		able out the free state of a state of the second	and the second state of th
5.9	Secondary point wiring for								
	additional light/ bell point,								1
	concealed type in min 20 mm FRLS grade PVC								
	conduit with 1.5 sq.mm. (2+1E)			001	5710	204.00	5,712.00	210	5880
	FRLSH grade	28.00	Nos	204	5712	204.00	3,112,00	10	
	copper wires with required						-		
	accessories as per specification						- And Andrew State	· · · · · · · · · · · · · · · · · · ·	-
	No: WG-PW/CW							5.47	1
	CSR 1.7.22							gloose a construction of the construction of t	
	Supplying and crecting modular type switch 6A / 10A						9	11100000000	
6.0	A GOMPHIAL PART SWITCH DA / TUA.	1	1	1	1	1	1	70	2100
6.0	duly erected on provided		Man	77	2016	72.00	2.016.00	75	2100
6.0	duly erected on provided plate and box with wiring connections complete.	28.00	Nos	72	2016	72.00	2,016.00	15	2100

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6.1	Supplying and erecting modular type 3 pin 6A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete CSR 1.6.10	5,00	Nos	112	560	110.00	550.00	115	575	y . A for the set of the set
6,2	Supplying and erecting mains with 3x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW CSR 1.3.6	7550.00	mir	93	702150	93.00	7,02,150.00	95	717250	n en
6.3	Supplying and erecting HMS PVC conduit FRLS grade 25 mm dia. with necessary accessories in wall/floor with chisetling appropriately as per specification No: WG-MA/CC. CSR 1.1.9	5900.00	, mtr	127	, 749300	127.00	7,49,300.00	130	767000	
6.4	Supplying and creating integrated LED street light fitting 60W IP65 & IK08class having single piece pressure die-cast aluminium housing, having systemlumens output of Min. 6600 Lumens, min. efficacy of 110 lumen/W, CRI>70,CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuiltsurge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including drivercomplete with 3 Years warranty as per specification No FG-ODF/FLS2.CSR 2.4.5	191.00	Nos	4970	949270	4,970.00	9,49,270.00	51.55	984605	
6.5	Supplying and erecting Gate/garden light fitting with 200mm dia. glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FGODF/GLT	39.00	Nos	529	, 20631	528.00	20,592.00	550	21450	reger - y de Vana anter print augurup auf pille verse verkele sja Vitegislan war megara deg
6.6	CSR 2.5.1 Supplying and erecting LED square / circular Max. 11 W down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty. CSR 2.1.3	75.00	Nos		59700	795.00	59,625.00	825	61875	
6.7	Supplying and crecting Street light bracket for crection of Single fitting on tubular welded pole with 40 mm. dia 1.0 m. length "B" class G.I. pipe along with pole cap of 125mm dia	43.00	Nos	1680	72240	1,680.00	72,240.00	1740	74820	

	4			5		Anna the second state of the second	water waters and an end of the second s	and the second second second second	an internet and the second second second
	600 mm long duly welded as per specification no. FG-BKT/BPC CSR 2.7.7								understatenting from which states and
6.8	Supplying and erecting Street light bracket for erection of Double fitting ontubular welded pole with 40 mm. dia 1.0 m. length "B" class G.I .pipe alongwith pole cap of 125mm dia 600 mm long duly welded as per specification no.FG-BKT/BPCCSR 2.7.8	94.00	Nos	2154	202476	2,145.00	2,01,630.00	2235	210090
6.9	Supplying and erecting GI wire of high purity of required sizes used for earthing or any other purposes on wall with necessary G. L Clamps fixed on wall/cable/ conduit with screws complete. CSR 9.2,5	8.00	kg	155	1240	150.00	1,200.00	160	1280
7.0	Supplying and crecting G.I. pipe pole 'B' class 80 mm dia 6 m long with pole cap, base plate in provided foundation as per specification no. OH- PL/GIP CSR 8.1.16	117.00	Nos	5545	648765	5,535.00	6,47,595.00	5750	672750
7.1	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no.EA-EP CSR 9.1.1	2.00	Nos	4715	9430	4,710.00	9,420.00	4890	9780
. 4	STATES (C. R. 1)	entent commit any entent of the second			409583862.3		40,95,81,644 Final Negotiate Amount		421924602,2

कार्यालयीन प्रस्तावना

वरील कामी मे. श्री.जी. इपीसी प्रा.लि. यांनी **वरील** दराची (रु.40,95,81,644/-) निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

### प्रशासकीय ठराव क्र. १५९ दिनांक ०५।०९ २०२४

मिरा भाईदर महानगरपालिका क्षेत्रातील वरील 01 कामांस मान्यता देण्याच्या प्रस्तावाचे अवलोकन करण्यात आले. महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, संजय काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा.महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केलेल्या विषयास अनुसरुन खालील कामाच्या मे. श्री.जी. इपीसी प्रा.लि. यांनी दरवाटाघाटीनंतर रक्कम रु.40,95,81,644/- दराची निविदा सादर केली आहे. सदर निविदाधारकाने दरवाटाघाटीनंतर रक्कम रु.40,95,81,644/- (अंदाजपत्रकिय दराच्या) निविदेस महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (क) नुसार

मान्यता देण्यात येत आहे.

अ. च	टेंडर आय डी			कामाचे नाव	व	•	अंदाजित	त खर्च	निवित	दाधार	काचे नाव
क्र 1	2	a sa salah sa sa Kanagapatén salah Salahiri	n yn	<b>.</b>	n darfeldang syada di sangayay ini sa		4	na - Standard an ann an an an a' a' Standard a' an an a' a' Standard a' an an an a' a' Standard a' an an an a'	ana kalendar di salah kering Pa	5	apatentana di secondo estas a su sub- l l
1.	1052415_1	डेव्लपमेंट <sup>-</sup>	नधील साबरग च्या धर्तीवर	मिरा भाई	दर महान	गरपालिका	रू.40,95,8	1,644/-	मे. श्री.जं	ो. इग	नीसी प्रा.लि.
		1	वेना नदीवर (म्लभुत सोई						मे.एन.ए.	कंस्ट्र	क्शन
l. 0	Item Descrij		Quantity	Units	anan menera date segundo de presente con con- anan propositivo i premodero primo retationo - ne date da anticipada da a	a - 1 paraglas (r. 1	ji EPC PVt. Lt M/s.	d.	COI	<b>VSTR</b>	/s. N A UCTION PVŢ LTD
					Rate	Amount	Final Negotiate Rate	Final Negotiate Amount	1	er anner ennerge	Ąmoùnt
	Excavation for four earth, soils of all typ gravel, soft murum i shoring and strutting dewatering as neces disposing off excava directed etc. comple Mechanical Means a) Upto 1.50m lift N b) 1.50m to 3.00m l 10% c) 3.00m to 4.50m lift 20% d) 4.50m to 6.0m lift SSR No 12.03	bes, sand, including g, sary and ated stuff as bete. ( By ) sormal Rate ift, Add ift, Add	8430.75	Cum	95	800921,25	95.00	8,00,921.2	.5 10	0 0	843075
2	Excavation for foun hard murum includi and strutting, dewat necessary and dispo excavated stuff as d complete. a) Upto 1.50m lift N b) 1.50m to 3.00m l 10% c) 3.00m to 4.50m l 20% d) 4.50m to 6.0m lift	ng shoring ering as sing off irected etc. Jormal Rate ift, Add ift, Add	3798.45	Cum	253	961007.85	253.00	9,61,007.8	35 20 *	50	987597
3	SSR No 12.04 Excavation for foun hardrock by chiselli wedging or line dril including shoring at dewatering a sneces disposing off excav, asd irected etc. com SSR No 12.11	idation in ing and ling nd strutting, sary and ated stuff	35700.00	CUM	2027	, 72363900	2,027.00	7,23,63,900	.00 21	00	74970000
1	Excavation for foun soft rock including : strutting, dewatering necessary and dispo- excavated stuff as d complete. a) Upto 1 Normal Rate b) 1.50 lift, Add 10% c) 3.0 4.50m lift, Add 20% to 6.0m lift, Add 30 12.08	shoring and g as bsing off lirected etc. .50m lift 0m to 3.00m 10m to 6 d) 4.50m	12.30	CUM	585	7195.5	585.00	7,195.50	) <b>6</b> (	)5	744] 5
5	Excavation for foun pipe trenches in slut marshy / slushy / so use of poclain, labo dewatering during e including removing the excav material upto a dista metres and lifts as b stacking and spread directed, preparing	sh muddy / bil including ur for execution ated ance of 50 below, lung as	28560.00	cum	448	12794880	448.00	1,27,94,880	2.00 40	55	13280400

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۰.					gen y ang		terenetisi setemen karangan panana kara terendiki dika teres		en gegennlikk dat i kenne i som skille så attende dener sår
	cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall/be@paid@separately. MJP SSR	2						- - -	
1.6	Dewatering on BHP basis by using water pump including diversion of stream, providing coffer dams, earthern bunds etc. as may be necessary for foundation and other parts of the works and pumping out water during and after excavation as may be required by using 5.0 to 9.0 BHP pump etc. complete. (prior approval of Superint ending Engineer will be necessary). SSR no 12.23	1380.00	Hour	210	289800	210.00	2,89,800.00	215	296700
1.7	Providing solingusing 80 mmsize trap metal in 15 cm. Jayer including filling voids with Crushed sand/grit, ramming, watering etc. complete.) SSR no 21.40	1367	Cum	3200	4374400	3,200.00	43,74,400.00	3300	4511100
1.8	Providing and laying in situ / ready mix / ready mix M15 / cement concrete of trap / granite / quartzite / gneiss metal in foundation including necessary centering, formwork, bailing out water, compacting and curing etc. complete. (with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer / concrete batch mix plant (pan mixer) with natural /artifical sand). SSR no 24:04	450.23	Cum	8011	3606792.53	8,011.00	36,06,792.53	8250	3714397.5
2.	SK ho 24.04 Providing and laying Cast in situ / Ready Mix cement concrete in M20 of trap / granite / quartzite / gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying / pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honey combed surface and euring etc. complete. The Cement Mortar 1/3 plaster is considered for rendering unevenand honey combed surfaceonly. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro process or based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Withfine aggregate (Crushed sand VSI Grade). SSR no 24.10	2087.40	Cum	8344	17417265.6	8,344.00	1,74,17,265.60	8550	17847270
2.0	Providing and laying Cast insitu / Ready Mix cement concrete in M-25 of trap /granite /quartzite /gnciss metal for R.C.C. pardi of required thickness including steel centering, fornwork, cover blocks, laying/ pumping, compacting and roughening	5215.20	Cum	17974	93738004.8	17,974.00	9,37,38,004.80	18500	96481200

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	them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with					n an galant version for the state of the state			an an an de grande de Granne (2014) an	an second and the second s
a de casa de como de ser a que a como de como d	SCADA enabled reversible Drum Type mixer/ concrete Batch mixplant (Panmixer) etc. complete, With fine aggregate (Crushed sand VSI Grade) SSR no 26 19									er ben anti-an alternetwork "formeren anti-an er fel
2.1	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams as per detailed designs and drawings or as directed including centering, SSR no 25.54	144,00	Cum	14553	2095632	14,553.00	20,95,632.00	15000	2160000	eren en en en else de la companya d La companya de la comp
2,2	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, SSR po 25.35	20.25	cum	16144	326916	16,144.00	3,26,916.00	16500	334125	
	Providing and laying Cast in situ / Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows bioulded as per detailed drawings or chamfered as approved by the Engineer including steel centering,SSR no 26 23	3.00	CUM	7550	22650	7,550.00	22,650.00	7800	23400	a strategy and the second strategy framework and the second strategy and the second strategy and the second str
	Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quart/tic/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum					, ,				18. The white the second second second state is a second state with the second s
	thickness to give a smooth and even surface or roughening if special linish is to be provided and curing atc complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With line aggregate (Crushed sand VSI Grade) SSR no 25.74	648.00	Cum	16300	10562400	16,300.00	1,05,62,400.00	16750 	10854000	a de la constance de la constan Décision
2.5	Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcementof various diameters forR C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detaileddesigns,drawingsandsc hedules. includingcutting,bending, hooking the bars, binding with wires or tack welding and supporting as required	1216.52	MT	98845	120246919,4	98,845.00	12,02,46,919.4 0	0	124085040	ne

	complete SSR no 26.34		1.						
2.6	Providing Fusion Bonded Epoxy Coating SSR no 26.41	15.00	МТ	11383	170745	11,383.00	1,70,745.00	11750	176250
2.7	Providing and fixing bituminous pad 25mm thick for expansion joints in retaining wall, compound wall etc. complete.	168,00	SQMT	1855	311640	1,855.00	3,11,640.00	1900	319200
2.8	SSR no 30.11 Conveying excavated material upto lid of 20KM (Lead Chart)	76501.50	CUM	469	35879203,5	469.00	3,58,79,203.50	475	36338212.5
2.9	Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part3)- 1984 in extra fine jointing mortar of fix oblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc. Complete.(The test shall be carried out conforming to IS:6441 (Part I) - 1972)SSR no 27.15	131.37	СИМ	7708	1012599.96	7,708.00	10,12,599.96	7900	1037823
3.0	Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in Half brick thick wall including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972) SSR no 27.16	3.01	sqint	1080	3250.8	1,080.00	3,250,80	1120	3371.2
3.1	Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement motar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete SSR no 33.34	213.28	Sq mt	4245	905373.6	4,245.00	9,05,373.60	4400	93843?
3.2	Providing sandfaced plaster externally in cement mortar using approved screened sand ,in all positions including base coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 Kilogram per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receivet he sand faced treatment 6 to 8 mm thick in cement mortar1:4finishingthesurfaceby takingout grains and curing for fourteen days scaffolding etc. complete. SSR no 32.11	14242.50	sqmt	, 701	9983992.5	701.00	99,83,992.50	725	10325812.5
3.3	Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases (NOx, VOC's, CO, SOx, formaldehydes, etc.) in presence of natural or artificial light. It contains Graphene and nanoparticles of 'ttanium oxide, and Absorbs CO2 (4.8 Kilogram / 151). plaster crack should be filled by Acrylic base Crack seal / Textured Crack	14242.50	sqmt	390	5554575	390.00	55,54,575.00	400	5697000

a series and a series of the series of the

										æ
1	filler, Paint has to applied on	[					Antibility of the second	Contract in a second order of a second se	Second and a reason of the second sec	
	one coat of Apex Ultima									
	Puranature Anti-Pollution								More and a second s	
	Primer or Equivalent. Warranty								-lood	-
Call I for an and	Should be given by the Manufaturer The work should									-
	be done by the Manufacturer									
	Recommended applicator and									
	he should be able to furnish									
	stage wise on site technical reports from the concerned									
	company technologist. SSR no									
	50.79							to the state of the second second		
3.4	Providing and laying weep						·			-
	holes of 100 mm diameter PVC									
	pipes as per drawing for	1050,00	rmt	560	588000	560.00	5,88,000.00	580	609000	
	abutment returns, return walls	1050,00			300000	000100	.,,			
	etc. Complete.									
	SSR no 17.37		an alla day and water water at a scalar (p 10).	an islandaria and the second and		and and and the data and an about the state of the state	Annalisian and Annalisian and State	in 19,000 - 12 years and a statement of	ang pangan kanala sa	
3.5	Providing and fixing 900 mm high S.S.304 Grade Stainless							4		
	steel railing with 40 mm									
	diameter and 1 5mm thick at	verse and in								
	top,40 mm diameter and 1.5				•				***	Ì
	mm thick vertical supports spaced at 1,5 m center to center									1 and
	and 8mm thick toughened glass	1050.00	rmt	4939	5185950	4,939.00	51,85,950.00	5100	5355000	1 march
	including fabricating, fixtures,	-								- and the second
	errecting, necessary welding,							•		
	grinding, finishing, buffing to									
	stainless stoel pipe etc. complete						2			and the second second
	SSR no 40.07									
3.6	Stamp Concrete of 100mm			economicani i strajio	nin de la companya d	na anti-anti-anti-anti-anti-anti-anti-anti-	antananan angananan birar isinan sinan si di		ana ang ang ang ang ang ang ang ang ang	- Alexandre
- Alexandre	Thickness-Providing and	ur, commune						-		- Line and Color
- Standard	Laying hi-situ M30 Grade unreinforced plain cement									100-100L-100
1	stamp concrete of 100mm									
	thickness pavement over a					-		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and the second
4	prepared sub base with 43							la de la constante de la consta		
	grado cement, coarse and fine									
And a state	aggregate (natoralsand/VSI grade finely washed crusheds									
Tr. Trustee	and )Confirming to 1S383, as									
The state of the s	per mixed in a batching and							-		
-4-1-100	mixing plant/non tilting mixer									
-	and weigh batcher as per									-
	design,admixtures.transporting									
	to site in nagpar city with lead									
and a	upto 20KM (on Inner Ring									
	Road from Avasti nagar to wadi),spreading,laying with									5.0
	approved make									1.00
	pover, compacted and finished							1. A. T		
	in a continous		1							
	operation, finishing to lines and grades. Also Providing, Placing	2040.00	Sq mt	1872	3818880	1,872.00	38,18,880.00	1940	3957600	
	and applying stamp powder	2040.00	54 m	1072	5010000	1,072.00	30,10,000,00	1270	5.2707000	
	which is light fast UV resistant								- 	
	pigment with appropriate							ł.		
	chemical compounds of desired colour on base concrete after							1		
ALCO - MORE	excess bleed water has									
	evaporated using dry shake									
	method@5kg per	1			1000	1				
ĺ	sqm.Including texturing, and covering with plastic									
	sheet(min200micron thickness)			T ADDRESS OF THE OWNER				1977 - F		-
	and also applying two coats of									
*	UV-stable,30%solids clear									
	sealer@150 to 250gms per sqm using surface roller and				1 martine and					
ļ	protecting from falling dust, dirt			l			4.	ĺ		
	and curring by curring									
	compound/by providing cement									
	vata in cement Mortor1:8@0.6mx0.6m center									-
	to center, admeasuring 80mm at									-
	bottom and 40mm at top with					-				-
	depth of 75mm and maintaining				viana de la constancia de					
	the same through ou touring	ander i milier med det die die keine der Beilieren der	L		ĺ		analytic second highligh sprantaneous stars are sprantaneous sprantaneous s			1

								n under all state space and the state of the	ng gaggaga anan a genter Sebisti vili
	period by any other method approved byEngineer-in charge or Landscape architect etc.completc.(prior approval of superinteding Engineer will be necessary) SSR/54.01		<i>i</i> ,	a - n'ang maaka san a maan			· · ·		
3.7	Providing and fixing kerb stone with led lighting system as per following specifications: dimensions with vertical mounting legs with 10mm horizontal square shape mild steel reinforcements. Illuminated kerb stone having				ŝ				
	visible dimensions:- 500mmx150mmx150mm. (asperirc-86-1983) 80mm leg shaving ms reinforcements shall be embedded in bt/concrete road surface, the kerb stone should have kerb angle of 45degree, with rubber plugs at both ends of the kerb						an a	х.	•
	stones (2nos) having load carrying capacity- vertical: 1465kg, horizontal: 2349 (certified by govt. Recoganized bodies) having thermal stability-:-40 to 120degree celcius (certified by govt. Recoganized bodies. Illuminated kerb stones	20.00	Rmt	7782	155640	7,782.00	1,55,640.00	8000	160000
: #\$, _	including: in grace protection and connect or rating ip 67, electrical wire- (asperis:694), ledstrip (asperlm:80) standard. Including for electrical fixing- frp junction box consisting of- 10 amp. Switch module power supply (smps) having input voltage-230vac, output voltage 36vdc. 2polemeb. Illuminated								
	kerb stone shaving warranty for 3 years. illuminated kerb stone shall be fixed into cast-in-situ cement concrete of m20 grade at base, back filling and grooves, including dismantling, fixing, removal of dismantled material and cleaning etc. Complete. The colour of kerb stone shall be provided as directed by engineer in						х 		
3.8	charge SSR no 54,05 FRP Pargola for Scating	25.00	Sq mt	15340	383500	15,340.00	3,83,500.00	15900	397500
3.9	(Market Rate) Providing Geotextile filter fabric for retaining wall	7100.00	sqmt	66	468600	66.00	4,68,600.00	68	482800
4.0	SSR Page no 543 Material rate Providing structural steel work of rectangular hollow steel section for steel trusses, other similar trussed items like purlin and members with all bracing, gusset plates etc. as per detailed designs and drawings SSR no 23.11	3.00	МТ	124730	374190	1,24,730.00	3,74,190.00	129000	387000
4.1	drawings SSR h0 23.11 Providing, aupplying, fabricating and fixing panel of aluminium composite panel cladding in approved shapemadeoutof4mmthickACP sheetmaterialconsistingof3mmt hickFRgrademineralcorefollowi ngNBCpartIVFireandlifesafety( having2hoursfireresistanceinac cordancetoASTME119- 12andBS476part6and7classO)s andwitchedbetweentwoalumini umsheets(each0.5mmthickofA A5005/AA3105grade)Thealumi niumcompositepaneleladdingsh eetshallbecoileoatedwithkynar5	6.00	sqmt	4064	24384	4,064.00	24,384.00	4200	25200
<b>A</b>	near the general second s	<u>.</u>					н ж. с.	4	

are and page	<ul> <li>A state into the second se Second second s Second second seco</li></ul>	nyawa. Anana yandan amada ka Pite	n <b>h</b> unt mentionen and and a		ratu Manun metrukanan kenakan dari kenakan dari kenakan dari kenakan dari kenakan dari kenakan dari kenakan dar	antesponisjen of since the second	<b>1</b>	Line of Robing concerning the	gan an a	
	00basedPVDF/Lumiflonbasedfl uropolymerresin(having70:30ra							-		ad terms ()
	tioofPVDFandacrylic)coatingof									
	approvedcolourandsg=hadeont								-	
	opfaceandpolymer(service)coat									
	ingofbottomfaceasspecifiedusin gstainlesssteelscrews,nuts,bolts,								demonstrate of	No.
	washers, cleats, weathersiliconse									
	alent,backerrodsetc.overallweig									
	htoftheACPshailnotbelessthan7									
	5Kilogram/ One Square Metre)								and i particular	
2	SSR no 51,100 Providing and Fixing Processed	ana managara da na matan 1997 tanihin mangkabar				and the state of the second second second	$= (2200 \pm 200 + 1)^{-1} (1000 \pm 1)^{-1} (1000 \pm 200 + 1000 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 100 + 10000 + 1000 + 1000 + 1000 + 1000 + 1000 + 10000 + 1000 + 1000 + 1000 + 1000 + 10000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 10000 + 1000 + 1000 + 1000 + 1000 + 10000 + 1000 + 1000 + 1000 + 1000 + 10000 + 1000 + 1000 + 10000 + 10000 + 1000 + 1000 + 1000 + 100000 $	Languit, J. Herlin, and Algorithm (1996). A state	**************************************	
بلدية	Stone Cladding on wall surface/							1.1		
	plywood surface. RCC pardi/									
	Wall and all type of Interior,									
	Exterior Compound wall and									
	Gate etc. of cladding processed stone with material of									
	Processed clay, Wooden chips,	6.00	sqmt	9028	54168	9,028.00	54,168.00	9250	55500	
	Silica sand, Cement, GFRC									4)//
	admixtures, Colour pigments,									di juan
	Fiber up to thick of 230 mm/ 25 mm including scatfolding,									
	fixing of screw, etc. (As									1
	directed by Engineer in Charge)								S	and the second
	SSR no 51.192		+		n - an Shadal ay an 19 year an an Angel		energianeza en la construir en la pagazia de la aplatica		l la Alterna grada de services de services de	.)
.3	GARDEN SOIL - Supplying									and a second
	on site garden soil well sieved 90% to pass through I.S. sieve									
	of 10mm size Free from stones							and the second		and in the second
	rubbish like dried grass roots									
	and other such materials. The				<b>`</b> *					a official and
	soil should be fresh be	400.00	Cu.M.	1500	600000	1,500.00	6,00,000.00	1550	620000	- Contraction of the Contraction
	measured by measuring box									
	(Farma) Item includes royalty									al constant
	charges, octroi, corporation Tax									
	Transporting, loading									
	unioading etc GDSR							$\sum_{i=1}^{n} (X_i)^{i} = -1 \cdot \frac{1}{2}$		
4	FARM YARD MANURE: -	dipersonal communication of a containing and		an aranga	lagunan and shift surger bei andelata desadada dala	alahat dalamatan sebagai kanar take 1900 sebi seri			an Managanan yang tara sa	
.**	Supplying on site well decayed,									ALC: NOT THE REAL PROPERTY OF
	well dried, well powdered,									
	without clods and free from									
	stones, dried grass and other rubbish material. The color of							N N N N N N N N N N N N N N N N N N N		
	the manure generally is black.	240.00	Cu.M.	1550	372000	1,550.00	3,72,000.00	1600	384000	ov i se solo de se
	The manure will be measured	240.00	Cu.w.	0,000	37,2000	1,550.00	3,72,000.00	1000	384000	
	by measuring box. (Farma) Item includes Transporting,							19 - A S		
	foading -unloading etc (.Lead									and the second s
	charges per 50 km.						1.1.16			1-mar
	considered.).							a series a		Landon a
;	GDSR Preparing Instant Lawn :	an the state of the second states and	In contraction of the second	No.886-1-1-1-120-013 West - 40-1	<ul> <li>Section destination of the section of</li></ul>	and the set of the set of the set of the set	$(2^{n+1})_{n \geq 1} = (2^{n+1})_{n \geq 1} = (2^{$		danis correction of the second	
	Supplying on site fresh Garden			ļ	•				4 .	-
	soil (free from stones rubbish		3	ļ ·			V			
	like dried grass roots, other	710.00	C-A4		Incon	773 00	1.05 530 00	ank	100000	Same Same
	such materials) for excavation area of depth of 20 cms.(	240.00	Sq.M.	773	185520	773.00	1,85,520.00	800	192000	
	consolidated thickness).(As per									-
Contract of the local division of the local	P&G DSR 2022-23 Items of									
	garden work, Sr No.38a)	an a	-		et telefiyin fler a stabili i iyi dari daniyan telefikan mana anya isk	anternational constraints of a second production of the second second second second second second second second	armagaaniindooniilon ojo olehiya oo aasalo loo aas	a ber ver el parase tadaneses el più agginate dagg	analan ing karalan sa	
5	Supplyings & planting of plants required for landscaping:-									
	Bahva (Amaltash) Bakul	100.00	Nos.	548	54800	548.00	54,800.00	560	56000	
	(height of plant 8-10 ft )		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						<i>7</i> 7	l'anne
	GDSR Planting being Operating Value de	teris - Marthile - 20200° Promos Sciences	$\hat{\boldsymbol{\boldsymbol{\sigma}}}$ is the second state of the second state $\boldsymbol{\boldsymbol{\sigma}}$ , $\boldsymbol{\boldsymbol{\sigma}}$ ,	uniterespecta protocolaria funcato pla	biggue to de ry consequencia entre frances particulares	and the second sec	agaagaha taangayoo soo soo too soo soo soo soo soo soo s	i an an an an airte an	an anger a carre a sa a sa a sa a sa .	-
(real of the second sec	Planting large flowering / shady trees :-Areca Palm should be		:							No. of Concession, Name
	well Developed,Good									
	Branching healthy	100.00	Nos.	1250	125000	1,250.00	1,25,000.00	1300	130000	
	Condition, appropriate Size in									
	Polybag,undamaged.7-8 FT GDSR								r	
	Supplying & crecting triple	ekonten ila capar landara - ekontenaren etako ananinako	an antis provinsion biote according to the		ter (- etymologi Aldri - State detable ter (ender normalisation)	- 100 - 10 - 100 -	nterimaten tekineketiji. Si orten ortenisten sekerimaten opersjek			-
	pole and neutral distribution									ŀ
	board (TPNDB), SPMCB of 12	2.00	Nos	4610	9220	4,610.00	9,220.00	4775	9550	
1	ways /phase (36 poles), with door, 1.2mm thickness									1
-	door, 1.2mm unickness		1					; · · · ·		

	Protection on iron/Gl frame (horizontal busbar type) as per specification no. SW- SWR/MCBDB CSR 5.4.3				, see a second and the second s	2			
4.9	Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface / flush mounted, IP 43 Protection on iron /GI frame as per specification no. SW- SWR/MCBDBCSR 5.4.9	1,00	Nos	1495	1495	1,467.00	1,467.00	1550	1550
5.0	Supplying, erecting & marking SP MCB 6A to 32A, C-series with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB CSR 5.3.2	82.00	Nos	174	14268	174.00	14,268.00	180	14760
5.1	Supplying, crecting & marking FP MCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	2.00	Nos	1329	2658	1,329.00	2,658.00	1350	2700
5.2	CSR 5.3.13 Supplying, creating & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no SW- RCCB/RCCB CSR 5.6.2	6.00	Nos	2207	13242	2,207.00	13,242.00	2250	. 13500
5.3	Supplying, crecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) eable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/pipe as per specification no. CB-LT/CU	120.00	Mtr.	316	37920	316.00	37,920.00	325	39000
5.4	CSR 7.2.16 LV Cables of following sizes to be laid buried in ground/ laid in cable trays in ready made trenches, cables shall be fitted on wall / ceiling by the means of saddle & spacers. Miscellaneous items such as cable dressing accessories like nylon tie, Aluminium clamps, GI cleats, cable tags etc. are included in the scope. Removal of empty drums, cartoons and making the site normal as instructed by Purchaser client is included in scope. Supplying, erecting & terminating FR XLPE insulated, galvanised steelformed wire armoured (strip) cable 1100 V, 4 core 10 sq. mm. copperconductor		Mtr.	, 603	144720	603.00	1,44,720.00	625	150000
5.5	complete erected with glands & lugs, on wall/ trusses/ pole or laid inprovided trench/ pipe as per specification no. CB- LT/CUCSR 7.2.33 Cable end terminations for LV, XLPE/PVC insulated, PVC sheathed, armoured/ unarmoured cables including supply and fixing of single compression cable glands, stripping of cable insulation,	6.00	Nos	87	522	87.00	522.00	3 3 7 90	540

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orianiani e investi e	supply and fixing of tinned		ana ana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny		Land of the second s	annen et parte datas est entre de la territaria e en estado de la territaria de la territaria de la territaria	namening on opposite a subjective of the second	- Charles and the second s		
	plated copper lugs for copper								[	
	cables for all phases and crimping the same to the								10 Merchange	
	conductor for the following	ч.			*				-	
	cables. Miscellaneous items		40 40 T 40 T						ang panahakar y	•
	like cable lugs. G.1 nut - bolts								aver, page see	
	and G.I washers . consumables and other hardware materials as								an canada da factoria da fa	*
	required to make the							an a second		a i s'aliment
	installation complete, are in the									
	scope. All G.I Nut, bolt and			1						and income to
	washers shall be HDGI with 80 micron. One set of termination								3	and the second
	includes gland, lugs for cable									
	core & accessoriesSupplying &									n - Amadella de
	erecting single compression type brass cable glands for 3 to				in a second s				L NO COLOR	
	4 core 6 sq mm $/2$ to 4 core 10									
	sq mm for XLPE armouted								a su	
	cable as per specification No.								ad	
	CB-GL CSR 7,7,2					<i>p</i> .				
5.6	Supplying and laying	anter entre entre anter a series anter mo			anger i de sterioù an en de ser an de se		an a	and a second concerns and the	administrative exceeding to the second	
	(including excavation of									
	suitable width & depth up to 90 cm) 160 mm outside dia,									J. may
	double wall corrugated pipes					101.00	00.000.00		100 CO20000	1 - and
	(DWC) of HDPE for	200.00	Mtr.	496	99200	496.00	99,200.00	515	193000	ejv:hev.se
	enclosing cable below								· · · · · · · · · · · · · · · · · · ·	
	ground/road surface, to required depth complete.									al an
	CSR 7.6.14							1		
5.7	Supplying, fixing and	n ( n el de la fan Merij), en en die Anstal Andrew (de la fan die Andrew (de la fan die Andrew (de la fan die A	<ul> <li>Comparison (Comparison (Comparison))</li> </ul>		Server en en a Juny more, que a lorreprint de main annumentes	and a second	and the second second second second second			
	commissioning 2 pole RCBO									
	32/40A, with overcurrent, rated short-circuit breaking capacity									
	(10 kA) and earth leakage	1.00	Nos	3182	3182	3,182.00	3,182.00	3300	3300	
	protection with 30/100/300 mA	1,00	1105	5162	5162	5,102.00	5,102.00		2000	and the second se
	sensitivity and short circuit and earth leakage trip indication as									
	per specification no SW-			ł						n) Young and
	RCCB/RCBO CSR 5.6.10						needd lladachin y do dol ar arlyn y ar ar		feedby the transmission of the feedback	e contra
5.8	Point wiring for			-						a particular
	light/bell/exhaust fan in PVC trunking (casing-capping) with								-	and and the
	1.5 sq.mm (241E) FRLSH									and the second
	grade copper wire, modular	24,00	Nos	552	13248	552.00	13,248.00	575	13800	and and a second
	type switch, earthing and required accessories as per									an formation
	specification No: WG-PW/SW									i and
	ĆSR 1.7.19		where being a care interview.	مەربى بىرى بىرى بىرى بىرى بىرى بىرى بىرى	erie a men and a second production of production statements		and a straight of the state of the straight of	والمحمد المحمور والمحمود المحمو	and a second sec	
5.9	Secondary point wiring for additional infit/ bell point,									* · ·
	concealed type in								4	- Seatt C
	min 20 mm FRLS grade PVC							and the	· · ·	-
	conduit with 1.5 sq.mm. (2+1E)	28.00	Nos	204	5712	204.00	5,712.00	210	5880	
	FRLSH grade copper wires with required								6	
	accessories as per specification									
	No: WG-PW/CW			7			-1			
	CSR 1.7.22	1.11.11.11.11.11.11.11.11.11.11.11.11.1		n helefolder up helefolder ander er helefolder at helefolder	the second se		energenergenergenergen i 1990 van het het de soorte	a	Methodal and the state of the s	
6.0	Supplying and crecting modular type switch 6A / 10A							- · · ·		dia viteria a
	duly erected on provided	28,00	Nos	72	2016	72.00	2:016:00	75	2100	tro-
-	plate and box with wiring	20,00	inus	14	2010	72.00	2,016.00	15	5100	indennia
	connections complete. CSR 1.6.1									and the second
6.1	Supplying and erecting	en salaf marianangan	and the second s		<ol> <li>ali serati di fatto post successi i contradizione</li> </ol>	an <b>a</b> n an	an a		nanta que conte e contrata ace	~
	modular type 3 pin 6A multi									
	socket with safety	* 00								
	shatter, duly erected on provided plate and box with	5.00	Nos	112	560	110.00	550.00	115	575	
	wiring connections complete									ľ
	CSR 1.6.10	et d'August august and a systematic commune a second as							- Dimension and the second	
6.2	Supplying and crecting mains			and advantages and advantages in the	an a		<ul> <li></li></ul>		an a	
	with 3x2.5 sq.mm FRLSH							· · .		1
	copper PVC insulated wire laid in provided conduit/trunking/									
1	inside pole/Bus bars or any	7550.00	mtr	93	702150	93.00	7,02,150.00	95	717250	and a second
	manue per en			1						
	other places as per specification No.WG-MA/BW						-			

									and a second
6.3	Supplying and erecting HMS PVC conduit FRLS grade 25 mm dia. With necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC. CSR 1.1.9	5900.00	ıntr	127	749300	127.00	7,49,300.00	130	767000
6.4	Supplying and erecting integrated LED street light fitting 60W IP65 & IK08class having single piece pressure die-cast aluminium housing, having systemlumens output of Min. 6600 Lumens, min. efficacy of 110 lumen/W, CRI>70,CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuiltsurge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including drivercomplete with 3 Years	191.00	Nos	4970	949270	4,970.00	9,49,270.00	5155	984605
	warranty as per specification								
6.5	No FG-ODF/FLS2.CSR 2.4.5 Supplying and erecting Gate/garden light fitting with 200mm dia. glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FGODF/GLT CSR 2.5.1	39.00	Nos	529	20631	528.00	20,592.00	550	21450
6,6	Supplying and crecting LED						na an ann ann an Aonaichteann ann an Aonaichte (Bhraichtean (Bhraichtean (Bhraichtean (Bhraichtean (Bhraichtean		nan manya malana ini katangan tahun 1979 ng katang
6.7	square / circular Max. 11 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty. CSR 2.1.3	75.00	Nos	796	59700	795.00	59,625.00	825	61875
	light bracket for erection of Single fitting on tubular welded pole with 40 mm. dia 1.0 m, length "B" class G I. pipe along with pole cap of 125mm dia 600 mm long duly welded as per specification no. FG-BKT/BPC CSR 2.7.7	43.00	Nos	1680	72240	1,680.00	72,240.00	1740	74820
6.8	and an	94.00	Nos	• 2154	202476	2,145.00	2,01,630.00	2235	210090
6.9		8.00	kg	155	1240	150.00	1,200.00	160	1280

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					409583862.3		40,95,81,644 Final Negotiate Amount		421926602.3
7.1	Providing earthing with galvanized iron earth plate size $60 \ge 60 \ge 0.6$ cm complete with all materials, testing & recording the results as per specification no EA-EP (SR 2 + 1)	2.00	Nos	4715	9430	4,710.00	9,420.00	4890	9780
7.0	Supplying and creeting G.I page pole 'B' class 80 mm dia 6 m long with pole cap, base plate in provided foundation as per specification ne. OH- PL-GIP CSR 8.1.16	117.00	Nos	5545	648765	5,535.00	6,47,595,00	\$750	672730

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर) नगरसचिव मिरा भाईंदर महानगरपालिका

Jananlar

(संजय काटकर, भाषसे) प्रशासक तथा आयुक्त मिरा भाईंदर महानगरणालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

## मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. <u>५</u>/ ९ /2024

## // गोषवारा //

## प्रकरण क्र. (९५७) :- निविदेस मान्यता देणेबाबत.

) अ. च	र्टेडर आय डी	का	माचे नाव ।	аны алтан (1993) 1997 — Малан (1993) 1997 — Паран (1993) 1997 — Паран (1993)	310	शजित खर्च	निविदाधाः	रकाचे नाव
क्र 1	2	and the second	· ·	an agar na an an Ala		<b>4</b>	an an an tao amin' an an an	5
1. 1. 1. 1.	1050627_1	वर्सोवा ब्रिज ते घोडबं विकसीत करणे. (मुलभुत			1	,98,38,909/-	मे. एन.ए.कंस	ट्रक्शन प्रा.लि.
SI. No.	lter	n Description	Quantity	Units	Qual	ed Rate		Vegotiate 1ount
		an an ann an		eth find for New Section and Section Section 1 and the section of	Rate	Total Amount	Rate	Total Amount
1.1		er D 80 A 12 (Medium ) ng of various structure te.	147.00	Hr	3480	511560.00	3405	500535
1.2	Item No.2 Labour charge thorney shrubs and alike grass	s for removing grass, s, Jungli shrub, Kubabul s along roadside making an by showel and	37982.00	Sqm	8.00	303856.00	8	303856
1,3 1,3 1,000,000	Item No.3 Excavation for of all types, sa murum, includ excavated ma of 50 m, bey and stacking a directed, dew bed for the 1 back filling, ra including shot	r foundation in carth, soil nd, gravel and soft ling removing the terial up to a distance rond the building area and spreading as atering, preparing the bundation and necessary unming, watering ing and strutting etc. 1 upto 1.5 m.) By	14946.75	cum	180.00	2630628.00	176	2630628
	muruno includ excavated ma 50 metres be and stacking directed, dewa bed for the f back filling, including sho	or foundation in hard ing removing the aterial upto distance of yond the building area and spreading as atering, preparing the oundation and necessary ramming, watering ring and strutting etc. If upto 1.50 m) By leans	3557.61	eum	180.00	626139.36	176	626139.36
1.5	Item No.5 Excavation fo by manual me the excavated 50 m beyond and spreading dewaiting und	r foundation in hard rock eans inclucing removing materials upto distance of the building area, stacking as directed including for provided elsewhere bed for the foundation &	921.30	cum	1250.00	1126749.90	1223	1126749.9

				,				
2012 - 11 (2007) - 12 - 1 - 2 (2007)	necessary backfilling, remaining, watering complete including shorting & strutting. (Lift up to 1.5M) Hard Rock by mechanical means with hydraulic excavator & rock	an maaring too, too, too an	n orașet și de are și constant de atri	pangarana da e en aleman y acadador ( a	n gana an triang an	y (no matalaan) alayyystaalinaitoolio allon e		And a second
per 1.200 a. 10 p. 10	breaker.etc.complete.BDA 1 to 4 page No.259 Pg no 7	en en ander en ander en ander en ander en andere en andere	- menter - merika (s. 1724), statu senasa se	managan dagan gang sa	na na sela katala na katala	ngatanangan sa mananganga saja	and the second	, marine single second
1.6	Item No.6 Removing sand/ muck/ slush/ soil bellow low tide level to the specified section from navigation channel as per the area and depth upto 3.00 m from sea bed by mechanicel means with, hyderaulic excavator, etc. and barge for attable ment all mechanismustic all							dam angananya sarkanik dan katika nakati tangga katika katika dan katika malakti
	establisment all machinery with all required tools and equipments, boat for conveying excavetd material, including removing the excavated materials with all lift and leads as directed beyond high tide level line of water stacking spreading or disposing, dewatering if required unless otherwise provided else where complete under tidal condition.	6412.50	cum	525.00	3296025.00	514	3296025	
1.7	Item No.7 Transporting of excavated/Dismantled materialslead 20 K.M.	19989.76	cum	500.00	9774992.64	489	9774992.64	- agenti
1.8	Item No.8 Filling in Plinth & Floors with Approved Excavated materials in 15 to 20 cm layers including watering and compaction complete. BDA 10 Pgno 262	13926.94	cum	110.00	1504109.52	108	1504109.52	n de ser la campo de de la campo de como una campo de de ser la serie de serie de serie de serie de serie de s
<b>.</b>	Item No.9 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc, complete.	55280.39	cum	1000.00	54064221.42	978	54064221.4	nder generation
2.0	Item No.10 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	11967.33	cum	2500	29272089.18	2446	29272089.2	
2.1	Item No.11 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 5.0 to 9.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary).	4000.00	hour	200.00	784000.00	196	784000	
2.2	Item No.12 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand	2682.90	çum	6500.00	17063244.00	6360	17063244	

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anner a facto nationalitari	v kryznia sy staniowa w staniowa w staniowa za staniowa za staniowa za staniowa za staniowa w staniowa staniowa Taka za staniowa w staniowa w staniowa w staniowa za staniowa za staniowa za staniowa w staniowa staniowa stanio	*ปลาสังการเวลาระสารแขนสารการการเขาะค่	<b></b>	: : ••••••••••••••••••••••••••••••••••	<b>.</b>		
2.3	Item No.13 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/granite/quartzite/gneiss metal for steps including steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	930.09	cum	7500.00	¢ 6825000.42	7338	6825000.4
2.4	Item No.14 Providing and laying Cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks.	396.30	cum	8500.00	3295630.80	8316	3295630.8
2.5	laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade) Item No.15	¶ nan mar da manan manan di Sanar na sanga Sanar na sang				, m., ang	
	Providing and laying Cast in situ/ Ready Mix cement concrete M-40 of trap/granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks. laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade)	504.22	cum	9000.00	4440161.32	8806	4440161.3
2.6	Item No.16 Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural	63.45	cum	11500.00	713939.40	11252	713939.4
	mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand. Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38 Providing and laying Cast in situ/Ready Mix coment						

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	concrete M-25 of trap / granite /quartzite/ gnciss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc.	aparagana ana ang ang ang ang ang ang ang an	a Salan sana ang sana sana sana sana sana san	n (n 1946), an (Million (Milli	y ( ) ( New York ( 1999) ( 1999) and an an employee communities ( 1999) a	ussagen ulaanse e mina tildaaan operneere	
ng mang mang mang mang mang mang mang ma	including bailing out water, Steel centering, formwork ,cover blocks, laying/pumping, compaction and curing roughening the surface if special						
	finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA						
	enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)					neggengenere di engle settyri i han belde seteke	
2.7	Item No.17 Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for						V V
	R.C.C. pardi of required thickness including centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be neglided and anying	219.61	cum	14500.00	3115607.07	14187	3115607.07
nde an normal den na serie de la contra de la	be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type						
	mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand	endersen og en sekser som	ann far film seg frei fan de film film film film film film film film	alaaguuruuuuuuguurbaanaalaatootaa ahke si katt (sista)		els depuiser aufora an freedometric competition de la compa	ntungkyanamanana unangkyan tahununtukuulan
2.8	Item No.18 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per						
ne de la companya de	detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing		ан а				
- New York - Work - Anno - New York - Ne	the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be	26.97	cum	14500.00	382623.39	14187	382623.39
	provided and curing etc, complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with						
n ve finantifiere maner - det en generat ve	SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				9 9		
2.9	Item No.19 Providing and laying in situ / ready mix M-35 cement concrete of trap /granite/quartzite/ gneiss metal for cast		a geget to toolur '' relation of your design '' to 2008	n an		ing on the second s	ala mangana pangana pangana na sa
ne en mange anna anna anna anna anna anna anna	in citu R.C.C. solid piers, column etc. including provision of V shaped false joints to form suitable panels on the faces to approve design with						- -
	compacting by vibrating and curing complete. Including plywood/steel formwork, centering (excluding dewatering by means of pump) and	547.81	cụm	11000	5895531.22	10762	5895531.22
ne onalisie manifester	including bailling out water and including CM 1:3 curing complete. a) Height upto 5 M. (With Concrete Mixer)						
	i) Height up to 5 m, normal rate.		L				เอเมรระก <b>ารใน</b> ของการเกาะกันระวันกระบบการอากา

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<ol> <li>S. S. W. Samerand, Physics (Society on Society o Society on Society ocentry on Society on Society on Society on Society on Society</li></ol>	ii) Height 5 to 7.50 m, add 5 percent	•					
	extra over basic rate. iii) Height 7.50 to 10 m, 7.50 percent extra,				*		
	iv) Over 10 m Height, add 10 percent extra for every 2.50m rise with fine agreegates of required specifications ( VSI sand finely washed etc)						a yanya ya ku Manana ku ku
3.0	Item No.20 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)		cum	14500.00	2336598.90	14187	2336598.9
-3.1*	Item No.21 Providing and laying cast in situ / ready mix M35 RCC for 1000 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawal of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc.)	660.00	Rmt	11000.00	7102920.00	10762	7102920
3.2	Item No22 Providing and laying east in situ / ready mix M40 RCC for 800 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawał of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc ) Height 10-15m	4350.40	Rmt	16500.00	70232857.60	16144	70232857.
3.3	Item No23 Extra for Chiselling in hard rocks including removing and stacking the loose material and disposing the	569.40	RMT	2500.00	1392752.40	2446	1392752.

	unserviceable materials as directed etc. complete.A) With Concrete Mixer iv) 1000 mm dia	999-1996 (1999) - 1997 (1999) - 1997 (1997) - 1997 (1997) - 1997 (1997) - 1997 (1997) - 1997 (1997) - 1997 (19	(1), sigger(1) - cit, cit, digeredities,	n en general and an an anna an Minn an Anna an			
3.4	Item No24 Providing, placing and driving in position 6mm thick permanent MS liner up to required depth with 12 mm thick MS cutting edge of 0.50 meter length of bottom including fabricating, cutting the MS sheet to required diameter and shape, welding the joints and driving with the help of required machineries, all materials, labour and lift etc. complete. (Excluding steel reinforcement)	735.93	MT	106000.00	76323300.30	103710	76323300.3
3.5	Item No25 Chipping and dressing of the R.C.C. piles upto 0.60 meter including cleaning reinforcement and removal of dismantled materials upto a distance of 50 meter beyond the building area etc. for providing pile caps. (Excluding steel reinforcement)	229.00	Nos	700.00	156865.00	685	156865
3.6	Item No26 Providing and laying in situ M40 controlled cement concrete of trap/ granite/ quartzite/ gneiss metal for PSC work in solid/ deek slab etc. including ramming, vibrating, curing, formwork, centering and finishing in cement plaster excluding reinforcement etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with natural sand) i) Height up to 5 m, normal rate. ii) Height 5 to 7.50 m, add 5 percent extra. iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent	2358.00	Cum	12000.00	27685278.00	11741	27685278
3.7	extra for every 2.50m rise. Item No27 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting, curing, finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VS1 Grade)	141.92	cum	8500.00	1180206.72	8316	1180206.72

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3.8	Item No28 Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	1161.51	MT	92000	104550999.6 3	90013	104551000
3.9	Item No29 Providing and fixing in position to the exact profile and prestressing the high tensile strands to specified ultimate strength, standard end anchorages, cable ducts, grouting ducts after prestressing and bearing plates with wedges as per detailed drawings including necessary plant and machinery for prestressing etc. complete.	86.03	МТ	175000.00	14730056.60	171220	14730056.6
4.0	Item No30 Providing uncoursed rubble masonry of trap / granite / quartzite / gnciss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.	1976.37	cum	7000.00	13536158.13	6849	13536158.1
4.1	Item No31 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc.complete.	878.48	cum	7350.00	6317149.68	7191	6317149.68
4.2	Item No32 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc.complete.	135.65	cum	12000.00	1592666.65	11741	1592666.65
4.3	Item No33 Providing & fixing G.I. wire Gabions coated with Zine+PVC of required size, section including boxes made of mechanically woven hexagonal shaped wire mesh of type, 10x12cm. edges mechanically selvedged made of heavily (Zine+PVC) coated G.I. wires as per BS: 443, mesh wire 3.00 mm Ø edge wire 3.9 mm Ø and filled with 20 to 50 kilogram weight trap stones including conveying with all the leads & lifts and placing at required places in required line, level, slope as per drawing, section as directed etc. complete under tidal conditions. a) Gabions of size – 1.00 x 1.00 x 1.00 M	4395.00	cum	4820.00	20726820.00	4716	20726820

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4.4	Item No34 Providing 100mm diameter GI water spouts as per detailed drawings in RCC slab and wearing surface / kerb etc.	340.00	Nos	2500.00	831640.00	2446	831640
	complete.	ander den ster waarde ster en de wekkenen de	nages producing to more string demonstration (1994)	ter 1944en del (milio) milio a de la seconda de que	e	1997 - 1967 alle self - Martinessange an energie stap og en	n Manganatanakan dari seri seri seri seri kala sana sinak
4.5	Item No35 Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete. (To be executed with prior approval of Superintending Engineer)	1570.95	cum	2850.00	4379808.60	2788	4379808.6
4.6	Item No36 Providing and laying CE Marked Needle Punched and Mechanically Bonded Non-Woven Geotextile (TechGeo) indigenously manufactured from high quality polypropylene staple fibres (continuous filament will not be accepted) of Techfab India on the prepared subgrade for separation. drainage & filtration application with necessary overlaps as per drawing etc. complete. (Specification: MORTH Section-700) with prior approval of concerned Superitending Engineer. e) TFI TECHGEO PR-30	4320.00	Sqm	180.00	760320.00	176	760320
4.7	Item No37 Supplying Hot Rolled steel sheet piles having properties described in respective specifications or/ and shown in drawings (Z or U type with sectional modulus of minimum 2500 cm3, steel grade S430 GP with minimum yield strength of 430 MPa, minimum thickness 12.0 mm thickness, with Larssen interlocks and applying recommended sealant for complete watertightness (if required) & using suitable corner sections as per site condition). Installing the same to line and level including making reformed steel sheet piles at required positions as corners, junction, wedges etc. as per approved drawing and specification in single or group jointing by welding properly, installing vertically along the alignment with the help of equipments like air compressors, excavator mounted / crane mounted vibro hammers / Impact Hammers / Hydraulic Pressing Hammers / vibrating drives powered by electric or hydrauliemotor or combination of both based on the site requirements through thegrooves to interlock together, wedges to make up for the permissibledeviation of piles from the plumb lines caused during pile driving, slippedpiles with the adjacent ones are found or loosened or dislocated duringor after installation , sheet piles shall be pulled out and replaced withnew ones or redone including necessary modification to the sheet pile tosuit the grove of existing sheet piles , including cost and conveyance ofall materials, hire charges of equipments, hire charges of crane/rigs, costof electrodes, mobilisation and	420.00	Sqm	14050	5773740.00	13747	5773740

	payment shall be made for cost of extraction and replacement for installing of sheet pile deviating				\$e-	4	
	thespecification or rejected by Engineer						
	-in-charge. The rate is inclusive of providing guide frames, cost of						Au
	installation pit, formation and removal						
1.	ofearthen bund etc.). Payment shall be	×	100				, A
	made on actual depth of sheet pileinstallation.						
4.8	Item No38	ann - Inn ann airdigir air ann a' fairt an Ann an Air an Aireann an Aireann an Aireann an Aireann an Aireann a	gen gen i en men men die in het die 'n het gehen in het die				1_
	Supplying Hot Rolled steel sheet piles having properties described in				2		
	respective specifications or/ and shown						
	in drawings (Z or U type with sectional modulus of minimum 2500 cm3, steel						
	grade S430 GP with minimum yield						
	strength of 430 MPa, minimum						
	thickness 12.0 mm thickness, with Larssen interlocks and applying						
	recommended sealant for complete				1. 1. A.		
	watertightness (if required) & using suitable corner sections as per site			-			
	condition) .Installing the same to line						ė
	and level including making reformed steel sheet piles at required positions as						
	corners, junction, wedges etc. as per						
	approved drawing and specification in			· · · · ·	-		
	single or group jointing by welding properly, installing vertically along the	т		-			
	alignment with the help of equipments						
	like air compressors, excavator mounted / crane mounted vibro hammers / Impact						
	Hammers / Hydraulic Pressing				· · ·		
	Hammers / vibrating drives powered by electric or hydraulic motor or						
	combination of both based on the site	938.95	Sqm	16000.00	14698323.30	15654	14698323.
	requirements through the grooves to	556.55	bqm	10000.00			
	interlock together, wedges to make up for the permissible deviation of piles				-	1.3	
	from the plumb lines caused during pile					an a	
	driving, slipped piles with the adjacent ones are found or loosened or dislocated				4		
	during or after installation, sheet piles						
	shall be pulled out and replaced with new ones or redone including necessary			12		1997 - 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997	
	modification to the sheet pile to suit the			4			
	grove of existing sheet piles, including cost and conveyance of all materials,						
	hire charges of equipments, hire charges						
	of crane/rigs, cost of electrodes,						
					1		
	mobilisation and demobilisation charges, all labour, other	i n				1	1
	charges, all labour, other incidentals etc complete. ( No extra	· 1					
	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of	· · · · ·					
"	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the						
	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer -						
	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of						
	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal						
	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile						
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation.						
4.9	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in			с. 			
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062	168.00	Sam	1400.00	230160.00	1370	230160
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and	168.00	Sqm	1400.00	230160.00	1370	230160
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel 1.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories	168.00	Sqm	1400.00	230160.00	1370	230160
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and	168.00	Sqm	1400.00	230160.00	1370	230160
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel 1.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories	168.00	Sqm	1400.00	230160.00	1370	230160
- - 	charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer - in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel 1.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories	168.00	Sqm	1400.00	230160.00	1370	230160

-,,	connecting with sheet piles as well as	naturalitada de classificadores estadores de contrator	e de la companya de la de la companya de segundada			n an	Southern Saladada and Saladada ang Saladada
	for splicing the channels, welding the channel joints to achieve the properties						
	of the section / welding of connecting plates etc including cost and conveyance						
	of all materials, cost of drilling holes, hire charges of equipments, hire charges						
	of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all					×	
	labour, painting one coat of zinchromite						
	primer after rubbingand cleaning the surface with mechanical wire brushing,				5.		
	sand paper, other incidentals etc complete. (Rate quoted shall includes						
	supplying, fabricating, drilling holes and fixing waling channels to SSP only .cost						
	offaccessories such as connecting plates, bolts & nuts etc.).						
5.0	Item No40	uur kalaitaa oo jilo ahaalaan boodaa ahaalaa kalaa	Realization of the second second second	and supprocessing and share the set of the s	an ann chairteann ann an ann ann ann ann ann ann ann	a nggaga-tagan sa palan na na na nggaga di na tarin na	pango apolityat dina syona monany.
	Design and engineering, supply and fixing of tensile membrane of high						
	tensile strength, primary and secondary steel, hardware and accessories,						
	including the fabrication of steel structure made out of MS structural						
	steel tubular section of high yield						
	strength as per relevant IS codes. The tensile membrane roof cover shall be of				с. А.	ng via distance de vide andre	; , ý
	PVC coated polyester composite membrane of approved make and						
	quality including membrane cutting, seaming and HF welding as per	360.00	Sqm	7000.00	2465640.00	6849	2465640
	manufacturer standards. The membrane shall be fixed to MS structural members						
	with necessary SS plates, lugs, clamping						
	plates as required. The membrane shall be stretched and tensioned as per the						ga di
	design approved. The Membrane shall be flame resistant, fungicide finish, high						4
	tear out force and continued tear out force, well wieldable, good UV						
	resistance, high water pressure resistance and very low maintenance.						
5.1	Item No41	- 111		ele a aurodiction in consideration (c.p. e. 90	ngara manan milangkalan sebagai kenalangkalan kenalangkalan kenala kenala kenala kenala kenala kenala kenala k K	an ana sao na bada ang kana a Tang kana ang	State in the second
	Design Conceptualisation & painting 3D artwork on any surface at all height	7704.00	Sqm	1000.00	7534512.00	978	7534512
	and locations as directed .				ana kata - mala kandi - na kata na kata - 11 ili - 16 ili - 16		
5.2	Item No42 Providing and Installing water fountain					2 X	
	of 3 M dia with below sepcification wall should be of brick wall of 0.45 m						
	width and 0.9 m ht above ground and						
	cladded with granite tiles. Inner area with wall and flooring should be						
	waterproffed inner area wall and flooring should be done with premimum						
	glass mosaic tiles. Electricals wire of 4 core 16 sqmm and submisserble pump	2.00	Each	2500000.00	4892000.00	2446000	4892000
	of 7 HP with all necessary fitting and control panel (Including Glow lighting )					<i>k</i>	
	Main sculpture as shown in dwg in GRC						
	and other small sculpture of any animal in GRC.Plumbing work with all		ł				
	necessary fittings of pipe and nozzle etc complete as directed by Engineer-In-				1. N.		
5.3	Charge (With 5 Years of Maintenance) Item No43	angunetin mulansus sanas sanabana juma termulana	na an an ann an ann an an Ann an A	n nya mpanimatak kana makala da paniman tanta mara di sa mara na	a de l'annue les 1000 - Charles de Verder de Carlos de la settemp dates	- 196 - 199	s Annotain ann an an Ann an Anna an Anna
~ **	Supplying and laying of high strength	21600.00	Sqm	500.00	10562400.00	489	10562400
	flexible geogrids (HSFG) as soil	1 1	-			( I	

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	made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength (LTDS) indicated below for 120 years				*		
	design life at 20 degreeC. The LTDS should be strictly based on reliable test data and performance data available		a second and				
	with the manufacturer from accredited independent agency certifying the Reduction Factor (RF) value for their		2		, , ,	* *	ه
	geogrid for design temperature. The geogrid manufacturer should have creep test data from independent accredited	-			1	ž.	
	laboratory for period over 5 years and should have minimum roll width of 4.5m with core of MS steel tube						
	convenient for handling and lifting work as per detailed specification all complete as per directions of Engineer in charge.	-					
5.4	(Reference MoRT&H 3100 & IRC 113).High strength geogrid of Long Term Design Strength 59.5 kN/m Item No44	-	n dige to a management of specific Law Constantion				аруа марамана жана жанатала кололого колосо колосо К
J.4	Providing and casting in C.C. M-25 for pier protection as per detailed drawing complete as specified and directed	1176.00	Rmt	6000.00	6903120.00	5870	6903120
5.5	Item No45 Providing Autoclaved Aerated Concrete Block masonary of						
	conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in Half brick thick wall including striking	415.30	Sqm	1000.00	406163.40	978	406163.4
r , Norge	joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972)				~		e e como so concerco e como
5.6	Item No46 Providing waterproof plaster in W.C. and bath 20 mm thick for dado in						
	CEMENTmortar 1:3 with neat finishing, floating using approved waterproofing compound of IS Std. at the rate of one kg per 50 kg of CEMENTete. complete.Spec.As directed by Engineer-	527.40	Sqm	600	309583.80	587 84* 24	309583.8
5.7	In-Charge. Item No47 Providing vee pointing with cement	1945 - 17 - 17 - 19 - 19 - 19 - 19 - 19 - 19	e a glora (po tantor e meterne Madride – Calorida de cito	age and age and a second second second second SAMS in	a salat ya cana ya anga anga anga anga anga anga ang	a ar an	pang lang pagganakan saraw
. پ	mortar 1:3 for stone /Brick masonry including scaffolding and curing etc. complete	4457.60	Sqm	200.00	873689.60	196	873689.6
5.8	Item No48 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement						
	mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement	3051.78	Sqm	600.00	1791394.86	587	1791394.8
	mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.		a els activities de la companya de l		and a sufficient state of the		$\label{eq:product} propagation (a_1,a_2,\ldots,a_{k-1}) (a_1,a_2,\ldots,a_$
-5.9	Item No49 Providing and applying laying Aggregate plaster in granite / marble stones, as decorative finish to give	589.05	Sqin	2500.00	1440816.30	2446	1440816.

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	all position including preparation of	1			The second	Presidence of the second se	and the first sector of the se	
	surface smoothly, evenly by racking	-	-					
	of joints in case of Brick or block		1		1			
	work including backing layer of 12 mm thick with cement mortar 1:3 with 2%				And a second secon			
	integral coment water proofing					ļ		
	compound, roughening for wall keying							
	hardening and drying the surface for a minimum five days gaps including							
	second coat of cement lime mortar into		-					
	a proportion 1:4 preparing the surface		Í					
	for three coat of marble finish plaster giving a thin coat of white cement and							
	two parts of course calcite powder,		1		/			
	applying the mortar with steel float on				1			
	the surface in proper evenness applying at coat of white cement and lime to set a				1			
	smooth finish then applying a thin		ł					
	coat of slurry made of white cement		l.			- www.		
	and black oxide colour in required proportion by the steel float to get black		i .					
	streaks on the surface and curing the							
	surface for two days including all		l			-	- Andrew -	
6.0	materials and labour etc. complete. Item No50	an anglagi wantaka akishiki a sa akishinin katishi katishi katishi katishi		and a substance of the	$= \int_{\mathbb{R}^{d}}  g_{ij}(p_{ij}) \cdot g_{ij$		na siyang sa sa siya kana sa kana sa	
0.0	Providing and applying two coats of					-		
	exterior weather shield paint of				and the second s			
	approved manufacture and of approved colour to the plastered surfaces							
	including leaning, preparing the plaster	01.001		200.00	52625.60	20.4	526356	
	surface, applying primer coat	182.40	Sqm	300.00	53625.60	294	53625.6	
	scaffolding if necessary, and watering							
	the surface for two days etc complete. NOTE: Forltern Number 15 to 18 prior		l				and the second se	
	approval of Superintending Engineer				and the second sec			
e 1 <sup>°</sup>	will be necessary				p. 10	the second to the types of water second	· · · · · · · · · · · · · · · · · · ·	
6.1	Item No51 Providing and applying two coats of					-		
	protective membrane over the cured							
	concrete surface like R.C.C. footings,			· .	.1			
	columns, plinth beams etc. which will be submerged under soil so as to protect							
	the same. Apply two pack coal tar	-	l				and a second	
	epoxy system of Sunepoxy Coaltar of					understandige top	erenter :	
	approved make & approved by Engineer in charge, having solid content ranges		Í					
	from 80-100%, Tack free time 4-6 hrs.	15837,81	Sqm	325.00	5036423.58	318	5036423.58	J
	Recoat after 16-24 hrs. Mix Part A and Part B of Sunepoxy Coaltar of		İ.					
	approved make & approved by Engineer	1	1					
	in charge in 1:1 ratio with slow speed		ł			7		
	stirrer and apply the same on a clean		l			-		
	R.C.C. surface by brush. Allow to set for 8-10 hours and apply the second				-		1	
	coat. The rate to include for application		Į					
	at all levels to various RCC elements to		ĺ		1			
6.2	the satisfaction of the EIC etc. complete Item No52		and the second s	and the second s	$eq:set_set_set_set_set_set_set_set_set_set_$	en en en la constante de Stitue en en la Constituire	and an approximate of the second second second	
U.20	Providing and fixing fenders made		İ				(Constant of the second	
	from used tyres including fixing by		۱					
	stainless steel chain links of 8mm dia. and anchor bolts of 16 mm diameter etc.	53.00	Nos	2600.00	134832.00	2544	134832	
	complete as per drawing and as directed							
e stanader vers er	under tidal range.			n	(c) an intervention and the second s second second sec	and converting a straight of the second strategy straight on	<ul> <li>Changestermentation of all transferrences in</li> </ul>	a)e i 1 a
6.3	Item No53 Description and fining staining steel		-					
	Providing and fixing stainless steel mooring ring in cement concrete on		l					
	deck of jetty consist of 32 mm thick	12.00	Nos	11000.00	129144.00	10762	129144	
	steel bar, 225 mm inner diameter, steel							
	ring with 75 mm inner diameter steel		1		1	1		

		- market		1 			
	approved drawing etc. complete. (Stainless steel of grade S-304)	1999 - 29 mil 199 mil 1	ang a mang ang ang ang ang ang ang ang ang ang				
5.4	(Stamess steel of grade 3-304) Item No54	aansa aanoonaana aheemannee ta beedda ta ooloo	or a compagnet of the second second second second second second second second second second second second second	er politikalar adalar toʻlari koʻlari a toʻlari t	· · · · · · · · · · · · · · · · · · ·	an an ann an the stand of the second se	
	Providing and fixing stainless steel				995) -		
	bollard of steel pipe 1.00 metre long of				- 	+ · · ·	· · ·
	250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm	5.00	Nos	19500.00	95395.00	19079	95395
	thickness on deck of jetty in cement				and the second	k 2	
	concrete including necessary fixtures				. *		
	and fastening etc. complete. (Stainless steel of grade S-304)						
6.5	Item No55	angantanaganan ganten calarter sanatati	n nede de nederale des presidents de la serie de la serie de la serie de la serie de la serie de la serie de la	A BANANDARY A STORE AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A	alay sauge ser in the processing of the series of the seri		
	Providing and applying one coat of two component, anti-corrosive, solvent free,						
	substituted long chain nylon reticulant	i			5		
	based epoxy coating / primer. Cleaning			3%	· · · · · · · · · · · · · · · · · · ·		
	the existing steel surface by mechanical means such as sand blasting, wire	10620.27	Sqm	650	6754491.72	636	6754491.7
	brushing and other mechanical means so	10020.20	oqm		4	6	
	as to remove all the existing loose rust						
	etc.Apply the coats by brush or spray at 4-6 hours interval between each coat				40	· .	
	complete as directed by the Engineer in				а		
u pul anto <b>rmandial</b> istent	charge.	Management (Strandscolleger) (Strandscolleger) (Strandscolleger)	an an an an an an an an an an an an an a				p Quantum management in Store - 1996.
6.6	Item No56 Providing and laying telephone black /						
	Amba White / Cadburybrown / RBI red				۵		
	/ Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window			я	А	in de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la comp	
	boxing etc. On C.M. 1:6 including	4.20	Sqm	4200.00	17257.80	4109 🖻	17257.8
i	filling joints with polymer base filler						
	nosing the sharp edges wherever necessary, curing, etc. complete.		e e		· · ·		
	Specifications: Bd. M. 12 Spec. No.: As				ъ.	a 4	
a distance	directed by Engineer-In- Charge	na baalaan ahaa ahaa ahaa ahaa ahaa ahaa aha	e anna ha caidh a 10 beil - deal an 1997 à	r Nordelle State (1996) - State (199	a Malana a Malana a Malana a Malana a Malana a Malana a Malana a Malana a Malana a Malana a Malana a Malana a M I	anan miran salam Solar Anton Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Sola	angen an eine an algen an eine an hefter. Ar sind after
6.7	Item No57 Providing and fixing solid core flush	. (			4	$\sum_{i=1}^{n-1} (i + i) = \sum_{i=1}^{n-1} (i + i) = \sum_{i$	
	door shutter in single leaf 32 mm thick	7					
	decorative type of exterior grade as per			-			
	detailed drawings approved face veneers 3 mm thick on both faces or as directed,	r.				2. W	
	all necessary beads, mouldings and	8.40	Sqm	7800.00	64108.80	7632	64108.8
	lipping, wrought iron hold fasts, chromium plated fixtures and	4			19. N		
	fastenings, with brass mortise lock,	· ·				and Strangers	
	chromium plated handles on both sides.	7 		¢.			
	and finishing with French Polish etc. complete.						
6.8	Item No58	and a second second second second second second second second second second second second second second second s	an ann an Angle agus ann an Ann an An An An	an an an an an an an an an an an an an a	An and a second se		2
	Providing and fixing fiber glass			-	· · · · ·	in de la composition br>Composition de la composition de la comp	
	reinforced polyster door shutter 35 mm thick as per IS 14856 (2000)			· · ·		* 1980 E.	
	(Reaffirmed 2006) without ventilator	3.15	Sqm	3500.00	10785.60	3424	10785.6
	including chromium plated fixtures and fastening with chromium plated handles		1				
	on both sides, etc complete. Spec.No. :						
wai-waania	As directed by Engineer In Charge				na ana amin'ny farita	n manager of the state of the s	туларуулаанын элэг ( 1997-1997-1975 - 1
6.9	Item No59 Providing and fixing in position	1 I		· · · · ·	a the		
	anodised (as per IS 1868/1982)						
	Aluminium fixed staggered (Z Type)				· · · ·		
	Ventilator with aluminium rectangular pipe 63 mm x 38.10 mm x 1.22 mm at						· 3
	weight 0.650 Kilogram/One Running	0.72	Sqm	4200.00	2958.48	4109	2958.48
	Metre, Aluminium angle of size 15 mm	0.72	oqui	1200.00			
	x 15 mm x 1 mm, aluminium channel of 9 mm sizes, S.S. mosquito net of 304					i se se se se se se se se se se se se se	
	Grade,4 mm thick float glass per			÷	1 40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	detailed drawing and as directed by					1	
	Engineer in charge etc.complete.						
iyanyakagi - yakangkan		4					
		à			1997) - 1997) 1997) - 1997)		
							7

	nandalaran di amarangkan di mana ana kara na mananana ana kara na manana kara na mana na mana na mana na mana n T				、	e.	,	1
		٠						
					g * ♥ .		9 	
7.0	Item No60 Providing and laying polished hand cut Kotah Stone flooring 25mm to 30mm thick and 45cm to 55cm wide in plain/diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete.	4284.00	Sqm	1500.00	6288912.00	1468	6288912	and a second and a second second second and second and a second second second second second second second second
7.1	Item No61 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.	182.40	Sqm	1350.00	240950.40	1321	240950.4	na na mananana kata kana kana na manana na kana kana kana
7.2	Item No62 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown /RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. Skirting Spec.No. : Bd. M.22 B/Page No. 390	146.66	Sqm	4200.00	602625.94	4109	602625.94	and also permutation and non-one may independence on your proceeding and the second account of a non-open graph A second second second second second second second second second second second second second second second second
7.3	Item No63 Providing and Laying factory made coloured chamfered edge Cement concrete grass paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine fine aggregate (natural sand/crushed sand VSI grade finely washed etc.), compacting and proper embedding/laying of inter.locking paver blocks into the fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) bedding layer through	404,39	Sqm	750.00	296822.26	734	296822.26	an an the plant and a down and the structure of plant and an algorithmeter and an algorithmeter and an and a solution of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and plant of the surface and and the surface and plant of the
	vibratory compaction by using plate vibrator, filling the joints with fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and cutting of paver blocks as per required size and pattern, finishing and sweeping extra fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and complete as per manufacturer spsecifications & direction of Engineer-in-Charge. 60pun thick CC paver block of M-35 grade concrete with approved colour and design & pattern.							ang pana ata pana ata pana dan dan dan dan ata dan ang mana ang mana ata dan dan dan dan dan dan dan dan dan da
7.4	Item No64 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 16 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete, with prior approval of concerned Superitending Engineer.	8444.00	Sqm	2450	20240268.00	2397	20240268	la seconda en una seconda en esta en entre en entre en entre entre entre entre entre entre entre entre entre en

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7.5	Item No65	for the delayer of the second s					
	Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and						
	Risers 12 mm thick, required width and required finish in plain pattern including	76,50	Sqm_	3760.00	281443.50	3679	281443.5
	Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.				n n <sub>y n</sub> a bi ki		4
7.6	Item No66	n annananadan ander delt' albert ann 19	مهر موموم میں رسوم المہر، یہ د	a an anna ann ann an Anna an Anna Anna	angele in a la provinsi mana da da anda da anda ina angele ina da angele ina da angele ina da angele ina da ang	namon analysis and the second s	
	Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. a) One side polish	1403.00	Sqm	1350.00	1853363.00	1321	1853363
7.7	Item No67				namesaan ka ka saada aha aha aha aha aha aha aha aha aha		aaaaaaaan tadaga ka shiir tadaa Ki - Ki Saar
	Providing and laying in place 300mm x 300mm x 16mm cement tactile						
	directional and warning tiles (for a person with visual impairment) of the			· · ·		an an an an an an an an an an an an an a	
	approved brand and make and specified colour for outdoor floors such as			· ·		in the second se	
	footpath, courtyard, multimodals	252.45	Sqm	1200.00	296376.30	1174	296376.3
	location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse	i.					
	sand) in all shapes and patterns	τ		·			
	including grouting the joints with white cement with matching pigments etc.	n. k					
ԴԵ հգ.	complete as per direction of engineer in charge	* 			4. 	۰ مر	
7.8	Item No68		a a a ganta mangan da da mina di Katika na di katika di katika di katika di katika di katika di katika di katik			and and a second s	
	Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa	ř				A State State	2
	Stone slab by continuous grinding in 4 coats of different bits to receive rough			525.00	2022110.00		2923118
	and matty finish including buffing	5687.00	Sqm	525.00	2923118.00	514	2925118
	process before laying and fixing of stone as per drawing and design,					1. A S	
	including cleaning, washing and finishing etc. complete.					a series providences and the series of the s	
7.9	Item No69	annenanterinenna en escon en inidatriat arter					
	CAST IN SITU SAFETY RUBBER FLOORING SYSTEM WITH including	9 7			an sa sa sa	р. 3- <del>4</del> . С.	
	20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule	125.00	Sqm	4700.00	574750.00	4598	574750
	absolute thickness =25mm .(as per				ang sa ang sa sa sa sa sa sa sa sa sa sa sa sa sa		
	drawing attached) etc. including VAT, tax complete. Manufacturers warranty						
8.0	is 5 years. Item No70	a coma calacione con con se V	1. a. 2. a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	e ang san gan panta an anana panta a		yan sana araa ya ahaa ahaa ahaa ahaa ahaa ahaa	
0.0	Providing and laying RED & BLACK	,					
	GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with			i.	1 <sup>1</sup>		
	12 mm top layer in size of fine cut and well dressed in Grey colour in paving on	4			· · · · ·		
	a bed of min. 40 mm thick cushioning in	95.00	Sqm	3760.00	349505.00	3679	349505
	C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with					States and the second	· · · · · · · · · · · · · · · · · · ·
	grey cement to match the colour of cobble stone in the required pattern,	a de la compañía de l	5				
	design and as directed by the Engineer	i. T				n na haran An An	
	incharge, includingcleaning, curing etc. complete.				na na mana mana mana mana mana mana man	and the state of t	newsjirten anderes data state state state
8.1	Item No71 Providing&fixing in position 20 4/-	-				a the second second	
	2mm thick machine cut, mirrorpolished,			2.			· ·
	Ist quality granite cladding such as black galaxy or approved equivalent in	446.40	Sqm	4800.00	2096294.40	4696	2096294.
	lift lobby / passage installed in approved pattern and design of size 600 x					с с с с с с с с с с с с с с с с с с с	ς.
annan sa sa sa sa sa sa sa sa sa sa sa sa sa	1200mm and as directed				n and the second s	and an an an an an an an an an an an an an	Lances and the second second
		, ,					

	includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The		Showing the first sector of				5
	joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude						
	all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.)	erar nemene der det an har at transfor	1.1.1 (h. 1.1))))))))))))))))))))))))))))))))))	e	f and and the spectra of the spectra	i naji ku ku ku naji naji ku na na na na na na na na na na na na na	a na na sana na s
3.2	Item No72 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm			1050.00	· · · · · ·	1010	01.50
	thick bed as required line, level, shape and size as instructed by Engineer incharge. Item including color pigments, lead lift, euring, cutting, all material and labour with wastage etc. complete all	45.00	Sqm	1850.00	81450.00	1810	81450
3,3	Item No73 Providing and casting in situ or precast	alden and like of rescalarios (like) out products	and Monorly or Lifet A. De Miller (2008)		a na 2010, and and a shaft of a state of the	na na mana na farana na siya na mana kana na siya na mana kana ka	andaggaangaangaangaan kuri sa ar silamaa
	tapering R.C.C. M-20 Barrier type Kerb without guiter ( as per IRC 86 1983) embedded 125mm below ground level		I				
	over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any	6154.02	Rmt	520	3132396.18	509	3132396.11
	strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by						
) <i>(</i>	Engineering In-charge. Using Concrete Batching and Mixing Plant Item No74	analaine an ann an an an an an an an an	т «к - неже = ла с	а раздержа сругора, у Аланарораар (1930), 1770 г.	en Marine e contribución a la candate de la contribute de la contribute de la contribute de la contribute de la	n Shi kur dingka iyon Kang Shi Kang Shi ka Sang Shi ka S	у — А раманалартикананда — Калалартиканан
3.4	Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter ( as per IRC 86 1983)						
	embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any	605.07	Rmt	850.00	503418,24	832	503418.24
	strata and removing the excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by						
	Engineering In-charge. Using Concrete Batching and Mixing Plant	elemente de la construction de la construction de la construction de la construction de la construction de la c	T	na malakanan ana sa di kalan sa pila pina (dap + 14+ 5, +5, 14)	ana and go - to gap to not go an an art ar	eran current contentination de statute	namen series de la section de la compacta de la sec
3.5	Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for					9	
	paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15						2
	and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist	1305.00	Sqm	6500.00	8299800.00	6360	8299800
	Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in		ra da faranza da contra da cont			e <sup>2</sup>	
3.6	1:2 Mortar etc. complete) STONE DRESSING IN TICHIV STYLE Item No76	name constant and the constant	neemer (a conjugar - mar II - creatingedaa		n kanjar ka nazit kada danikanan menumukan kana italakan dalam dalam t	n gener in eine ein deren Kriste mehrenhanden eine eine eine	cyddiaus prodynodiau refed - o flyddiangaan fforo
	Newasa Basalt stone for wall 15 cm thick : Providing and fixing Newasa Basalt stone for wall 15 cm thick( Two						
	line dressed stone of size 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtr, cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar ) in 1:1	582.72	Sqm	8000.00	4560949.44	7827	4560949.4
	Cement mortar in super structure including striking joints and watering complete to the entire satisfaction of the architect (Ashlar Masonary in tichiv style)						

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8.7	Item No77 Ashlars fine stone coping : Providing,					-	
	supplying & fixing ashlars fine stone				1 🧐 .		
	coping of size 320 mm long, 500 mm	142.60	Rmt	7000.00	976667.40	6849	976667.4
	width & 150 mm thick in cement mortar	142,00	Kint	7000.00		0012	
	1:3 including pointing in Cement slurry,						
	raking joints, curing, loading &	A				· · · ·	
	unloading etc. complete. (Including		ž				
	Scaffolding)	ana ana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny	aga ay anna gan ann a chuir ann a' an an airte a' ann an 1940.		and the second		and the second second second second second second second second second second second second second second second
8.8	Item No78 Stamp Concrete of 100mm Thickness -						
	Providing and Laying in-situ M30						
	Grade unreinforced plain cement stamp				10 C	4 7	
	concrete of 100mm thickness pavement						
	over a prepared sub base with 43 grade						
	cement, coarse and fine aggregate				and the second second		
	(natural sand / VSI grade finely washed				1. N. 1997		
	crushed sand) Confirming to IS 383, as						
	per mixed in a batching and mixing						
	plant / non tilting mixer and weigh						
	batcher as per approved mix design,	,				-	
	admixtures, transporting to site in				·	а. 1	
	nagpur city with lead upto 20KM (on					-	
	Inner Ring Road from Avasti nagar to					- s	
	wadi), spreading, laying with approved						
	make pover, compacted and finished in				8		×
	a continous operation, finishing to lines					$\mathcal{T}_{i} = \{x_i \in \mathcal{I}_{i}\}$	
	and grades Also Providing, Placing and				1 A.	1 - E	
1 Sta	applying stamp powder which is light				а.		
	fast UV resistant pigment with	3420.00	Sqm	1750.00	5855040.00	1712	5855040
	appropriate chemical compounds of						
	desired colour on base concrete after					· ·	
	excess bleed water has evaporated using					$(x_1, \dots, x_{n-1}) \in X_{n-1}$	
	dry shake method @5kg per sqm.					191	
	Including texturing, and covering with				N		
	plastic sheet (min 200 micron thickness)						
	and also applying two coats of UV-			5		a - 15	
	stable.30 % solids clear scaler @ 150 to					1	1
	250 gms per sqm using surface roller					n Novel in a co	
	and protecting from falling dust,dirt and			-	1 - A	1. A.	
	curring by curring compound / by			1	in the second	·	
1 <del>1</del> 1 1 1 1	providing cement vata in cement Mortor		-			· · · ·	
	$1:8 @ 0.6m \times 0.6m$ center to center.				and the second	1997 A. 201	
	admeasuring 80mm at bottom and			2	e de la constant de	$(z_1)^{n+1} \stackrel{(n+1)}{\longrightarrow} (z_1) \stackrel{(n+1)}{\longrightarrow} (z_1)$	
	40mm at top with depth of 75mm and				ε		1
	maintaining the same throughout curing					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	period by any other method approved by	3			-	and the second	
	Engineer-incharge or Landscape						
	architect etc. complete. (prior approval						
	of superinteding Engineer will				-	a natural sector and the sector of the secto	and the second s
8.9	Item No79					-	<b>V</b>
	Providing leather finished polishing to	4		-	5-		
	Granite Stone slab by continuous				1997 - 19		
	grinding in 4 coats of different bits to					A State Stat	-
	receive rough and matt finish including	7167.50	Sqm	825.00	5784172.50	807	5784172.5
	buffing process before laying and fixing	/10/.50	oqui	025100			
	of stone as per drawing and design,						
	including cleaning, washing and					1	
	finishing etc. complete.						
							and the second second sector $(0, \sigma^{-1})^{-1} = -\delta_{1} + \delta_{2}$
9.0	Item No80					- 1 - L - L	
	Providing and laying in position						
	flooring of telephone black / Amba	4					
	White / Cat bary brown / Ruby red /						
	Ocean Brown granite stone of approved					3770	1 10200222
	shade and size 18 min to 20 mm thick	7167.50	Sqm	3760.00	26369232.50	3679	26369232
	on bed 1:6 cement mortar including				1	-	
	cement floats striking joints, pointing in	4					-
	C.M. 1:3 curing and cleaning etc.						
*	complete.					1 All All All All All All All All All Al	
1	1	1	1		1	1	1

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9.1	Item No81 Fixing 40 to 50mm thick Natural	ana, Angoo, a cangga ng kanang ang kanang		e y maan de sekaalen de de sekaalen de de sekaalen de sekaalen de sekaalen de sekaalen de sekaalen de sekaalen	ne a sugar marao na anakaki Malipulkuku sa sa kalipulkuku a	an ann an an ann an		and the second sec
	Shahabad Kerbing of 600 x 600mm			-				i.
	with 75mm thk, in 1:3:6 P.C.C. bed, and	92.40	Sqm	135.00	12196.80	132	12196.8	-
	filling joints with 1:3 cement mortar, including lead, lift within garden,						ar en ger av	
	cutting, curring, etc complet (excluding			annan sha		Ą	an), 'La degeneration	
9.2	P.C.C.) Item No82	·····		and the second state of the second		na i cana a na giana matata da mi	91. v. 4	
9.1	WOODEN FINISH PAINTING OF			-				1
	EXISTING WOODEN FINISH							ale and a second
	TEXTURED SURFACE CEMENT CONCRETE BENCH including any					÷		
	material, machinery, scaffolding etc.							
	complete. Rate includes proper cleaning							and the second se
	of surface by sand paper application of 1 coat of Apex exterior grade primer					÷		
	above that 2 coat of exterior grade Apex	826.90	Sqm	1650	1334616.60	1614	1334616.6	an Disease
	Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains	02.0.70	John	1025		· · · ·		
	& with 2 final coat of Apex clear polish							
	including cement, Sand, chemical,							
	adhesive, chikenmesh, primer, paint, polish, paper, etc. all material, labor,				annuacoo yu			
	scaffolding, etc. all complete. Work							
	done should be as per a approved sample & the instructions of engineer							
	incharge.							-
9.3	Item No83	n andre fan it de energielikeliken en de de keinde de en de de de energielikeliken en de en de energielikeliken	n a shekaran da a shekaran karan	and a second second second second second second second second second second second second second second second				
	Providing, aupplying, fabricating and fixing panel of aluminium composite							magana ariji h
	panel cladding in approved shape made				- -			- Constantion - A
	out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade							
	mineral core following NBC part IV					an an an an an an an an an an an an an a		and there is
	Fire and life safety (having 2 hours fire				-			a and the second
	resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class					an an Arran br>Arran an Arran an Arr		er men er seger det se
	O) sandwitched between two aluminium							a de la composición de la composición de la composición de la composición de la composición de la composición de
	sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium	456.43	Sqm	4500.00	2009661.29	4403	2009661.29	e di Nella mede
	composite panel cladding sheet shall be	4,00,40	oqui	1500.00	1	1110		
	coil coated with kynar 500 based							-
	PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and							
	acrylic) coating of approved colour and				-			
	sg=hade on top face and polymer (service) coating of bottom face as					х. Х		al compa
	specified using stainless steel							
	screws, nuts, bolts, washers, cleats, weather silicon sealent, backer rods etc. overall				2	:		ľ
	weight of the ACP shall not be less than							
~ ~ ~	7.5 Kilogram/ One Square Metre)	understand for deer served out of many server,	and an an addition of particular of a set fragment	and the regard like black to the mean of the like to the state of the	and a star to the starting of the starting of the starting starting start of the starting start of the starting start of the start of	e normalistica posteriore posteriorente analaciente	and the second second second second second second second second second second second second second second second	
9,4	Item No84 Providing structural steel work in							
	trusses, other similar trussed purlins and							-
	members with all bracing, gusset plates etc. as per detailed design and drawings					37		
	or as directed by Engineer-In-Charge.,					10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		
	including cutting, fabricating, hoisting,	249.67	MT	120000.00	29313255.36	117408	29313255,4	
	erecting fixing in position, making riveted/bolted/welded connection and		A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN AND A MARKAN		х.,			
	one coat of anticorrosive paint and over							ŀ
	it two coats of oil painting of approved quality and shade etc. complete. Spec.		Victoria and Victoria and Victoria					
	No.: Bd.C.8 Page No. 278						2	
9.5	Item No85				<ul> <li>A de la construcción appendiente para managemente</li> </ul>			
	Providing and crecting chain link fencing 1.6 M, height with G.I. chain	175.00	Rmt	3000.00	513625.00	2935	513625	
	link of size 50 x 50 mm, 8 gauge thick					<b>1</b> 0 107		
	and fixed 75 mm above ground level on	ana a ta mana ana a	I	L	L	anti (100 (10) - 10) (10) (10) (10) (10) (10) (10)	L.,	ļ

		· · · · · · · ·				e la Francisco		
		vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm, at 1.75 M. c/c with iron bar 16mm	agus annan Agr, a cun tar - un	- top-spreadlenge providing of the distribution			an and and a subset of the second second second second second second second second second second second second	
		dia as hold fast including welding link with angle frame at 30 cm c/c with nuts		14	ŗ	1	× 4	
	* *	and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and	ь «	<i>ji</i> .		L g 1 - S		· .
, construction of the second se		$25 \times 5$ mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x $450 \times 670$ mm including 3 coats of oil painting etc. complete.			~	,		
	9.6	Item No86 Providing and Fixing mat finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25						
in a substantia de la constante de la constante de la constante de la constante de la constante de la constante La constante de la constante de		mm dia in three rows, all pipes of 2 mm thick including buffing, fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior	2856.22	Rmt	3850.00	10759380.74	3767	10759380.7
		approval of sample and brand by Ex.Engineer is necessary before use)	e manda 11 Heft del constituents - Hijdisternedeste	and states or deployed and subject VAUS 1.11	a manager of the state of the s	n og spranske som som som som som som som som som som	na seconda da companya da c	and the second second second second second second second second second second second second second second second
	9.7	Item No87 Providing and fixing 50 mm. dia. medium class G.I.pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves	239.40	Sqm	6500.00	1522584.00	6360	1522584
and the second second second second second second second second second second second second second second second		with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete.						
	9.8	Item No88 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary	249.48	Sqm	2500.00	610228.08	2446	610228.08
1997 S.	and the	welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.					n de la composition de la comp	
	9,9	Item No89 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters. Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site	10.00	Sqm	36500.00	357120.00	35712	357120
	10.0	foundation and remedies. Item No90 Providing and creeting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe ( Rezan/		an construction of the second s				an ann an
	*	concentiDeleted ire 0.75 mm dia ) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire painting M.S. angles with one coat	1210.00	Rmt	1100.00	1301960.00	1076	1301960
		of red lead primer and two coat of oil paint etc. complete.		ang a sa an an an an an an an an an an an an an	en og skælense og som signede signede signede som signede som som signede som som som som som som som som som s	n na statuten er andere en enterne en enterne en enterne en enterne en enterne en enterne entern Enterne enterne r>Enterne enterne		
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10.1	Item No91 Providing and constructing Brick Masonry Inspection Chamber 60 cm x 45 cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W. pipes, Brick Masonry, plastering from inside and airtight 75mm thick R.C.C. cover medium duty 100Kilogramete. complete.	12.00	Nos	10000	117408.00	9784	117408
10,2	Item No92 Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W.pipes,Brick Masonry,plastering from inside and airtight with 75 mm thick R.C.C. cover medium duty 140Kilogramete. complete.	12.90	Nos	11000.00	129144.00	10762	129144
10.3	Item No93 Providing and constructing Ductile Iron circular manhole 45 cm dia. At top 90 cm at bottom up to 1.80 meter to 2.70 meter depth including excavation, laying 1:4:8 cement concrete bedding 15 cm thick burnt brick mansonry with 1:1 cement mortar plaster 25 mm thick inside and outside 20 mm (1:3) ductile iron heavy type cover with ring 125Kilogramin weight. High strength. More life and Durability, Good Antiskid Grip, Suitable to heavy theatric loading. Light weight casting after cost benefits for Transportation Refilling etc. as per requirement, with prior approval of concerned Superitending Engineer.	28.00	Nos	12000.00	32.8748.00	11741	328748
10:4	Item No94 Providing and laying salt glazed stone ware pipe of 100mm diameter including fittings such as bends, tees, single junction, double junction, laying, jointing including excavation and refilling trenches complete. BDV39 Page No.573	3.00	Ŗınt	400.00	1173.00	391	1173
0.5	Item No95 Providing and fixing 25mm dia screw down wheeled stop tap of steel with chromium plating of approved quality and make bearing ISI mark. including sockets uion nut complete. BDV 9 Pgno 555,	2.00	Nos	1500.00	2936.00	1468	2936
0.6	Item No96 Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend.connectingpiece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete ( Prior approval of sample and brand by Ex. Engr. is necessary before use)	4.00	Nos	650.00	2544.00	636	2544
0.7	Item No97 Providing and fixing white wash basin with half pedestal of size 515mmX615mmX460mm including pillar cock auto-closing system CP angular stop cock long thread of approved make continental including S.S. bottle trap of necessary pipe connection upto the outside face of the wall.	2.00	Nos	13000.00	25438.00	12719	25438

0.8	Providing and fixing 450mm x 550mm size superior type Belgium mirror with	10.00	Nee	1000.00	9780.00	978	9780
	16mm dia. nickel plated towel rod etc. complete Spec. No.: As directed by	10.00	Nos	1000.00	97 0.00	978	7700
	Engineer in charge.			1 Name and address of the State	particular and a second s		pagain na na sina naga shikana ka na ka
0.9	Item No99 Providing and fixing Wall Mounted						
	European type white glazed earthenware	r	á.		~		
	water closet pan with UPVC seat and			с. С			
	lid with chromium plated brass hinges and rubber buffers including						
	UPVC and vent pipe up to the outside			*			
	face of wall 10 liter enameled low level						
	flushing cistern with fittings pipe stop tap brackets for fixing cistern 32	2.00	Nos	13500.00	26416.00	13208	26416
	mm dia, UPVC flush pipe with						
	fittings and clamps ,20 mm dia.UPVC						
	overflow pipe mosquito proof couplings G.I. chain and pulley with			~ ~			
	water Jet and fitting including cutting						
	and making good to the walls and						
	floors testing etc. complete.( prior approval of sample and brand by Ex.					-	
	Engineer is necessary before use)	AND THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER	on a constant of the second second second second second second second second second second second second second				a construction of the second second
11.0	Item No100						
	Providing and fixing on walls/ ceiling/ floor 20 mm dia. CPVC pipe with						
	necessary fittings, remaking good the	490.00	Rmt	350	167580.00	342	167580
	demolished portion etc. complete.	(					
	BD.V 5 page 551 and as directed by Engineer in charge			-	4 Q		and where a second second second second second second second second second second second second second second s
11.1	Item No101	an an an an an an an an an an an an an a	nan an			91	
3.0	Providing and fixing on walls/ ceiling/				·	a a constante da la constante d La constante da la constante da	
	floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the	320.00	Rmt	400,00	125120.00	391	125120
	demolished portion etc. complete.						
	BD.V 5 page 551 and as directed by						
11.2	Engineer in charge Item No102		an ya manana ka a biyo ngina ka ta	n yang balangan sa sa sa sa sa sa sa sa sa sa sa sa sa	na na mana na mana mbanana na kao na dara da mana na m Na mana na mana		saadgeerne Neeren en een een ee
11.2	Providing and fixing on walls/ ceiling/					19.5 1 2.	
	floor 32 mm dia. CPVC pipe with	120.00	Rmt	450.00	52800.00	440	52800
	necessary fittings, remaking good the demolished portion etc. complete. BDV	120.00	KIII	450.00	5 <b></b> 6 6 6 7 6 7	6	
	5 page 551 and as directed by Engineer				a and a		
i in the second	in charge	and the second second second second second second second second second second second second second second second	ana ang propagang kalang kalang sa sa sa sa sa sa sa sa sa sa sa sa sa				nana gala da serata se anta anta serata s
11.3	Item No103 Providing and fixing on walls/ ceiling/				÷		
	floor 50 mm dia. CPVC pipe with	631.00	Rmt	800.00	494073.00	783	494073
	necessary fittings, remaking good the						
	demolished portion etc. complete. Item No104	and a second second second second second second second second second second second second second second second	natural and commentation of the second state of the second state of the second state of the second state of the	an an an an an an an an an an an an an a		e al la particular contra planta da contra contra da dela	nga ngagana na sa
11.4	Providing and laying in trenches 80 mm	,					
	dia medium grade having embossed as	7					
	ISI Mark galvanised iron pipes of 8.57 kg/meter necessary fitting remaking		n -	1250.00	917250.00	1223	917250
	good the demolished portion with filling	750.00	Rmt	1250.00	91/200.00	1 443	711200
	trenches and with primer of anti-						-
	corrosive oil paint, 2 coats complete. B)Heavy Type Spec. No.: Bd.V.5 Page	i,					
	No. 551	and the second s					······································
11.5	Item No105						
	Providing and laying in trenches 100 mm dia, medium grade having					е. Б	
	embossed as ISI Mark galvanised iron						
	nines of 12.43 kg/meter necessary	2040.00	Rint	2000.00	3992280.00	1957	399228
	fitting remaking good the demolished portion with filling trenches and with						
	primer of anti-corrosive oil paint, 2						
	coats complete. B)Heavy Type Spec.						ĸ
- management of the Community	No.: Bd.V.5 Page No. 551		and the second s	ana ana ana ana ana ana ana ana ana ana	$\sum_{k} \sum_{i \in \mathcal{I}} e_{ij} e_$	and an and the second s	Lance construction of the second
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11.6	Item No106 Providing and laying concrete pipes of I.S.NP class of 150mm diameter in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.	250.00	Rmt	525.00	128500.00	514	128500
11.7	Item No107 Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to 1.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, inluding fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number, filing the joint using rubber gasket with solvent CEMENTand properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc.complete. (The contractor shall give 3 yrs guarantee bond for payment) Spec. No.: As directed by Engineer in charge	20.00	Rmt	1500.00	29360.00	1468	29360
11.8	Item No108 Providing and fixing 80 mm.dia. screw down wheeled stop tap of steel with chromium plating of approved quality and make bearing I.S.I. mark, including sockets, union nut complete.	20.00	Nos	4300.00	84140.00	4207	84140
11.9	Item No109 Providing and fixing 100 mm dia. Chromium plated brass showers rose to 15 mm dia. Supply pipe including necessary bend and socket complete.	20.00	Nos	550	10760.00	538	10760
12.0	Item No110 Providing and fixing 100mm diameter water meter with non-return valve including strainer, soekets/ union nut and including water meter box making locking arrangements and lock. [Without chamber].	29.00	Nos	40000.00	1134944.00	39136	1134944
12.1	Item No111 Providing and fixing C.P. Two way BIB cock of approved make continental including necessary sockets/union nut etc. complete.	4.00	Nos	1600.00	6260.00	1565	6260
12.2	Item NoJ 12 Providing and fixing C.P. BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete.	29.00	Nos	1200.00	34046.00	1174	34046
12.3	Item No113 Providing and fixing C.P. pillar cock long neck with aerator of approed make including necessary sockets/union nut etc. complete.	2.00	Nos	1750.00	3424.00	1712	3424
12.4	Item No114 Providing and fixing 15 mm diameter PVC Aqua kraft type of approved make super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories ete complete	2.00	Nos	1100.00	2152.00	1076	2152

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13 -	Them No 115	an se management frankrigen ander se an an an an an an an an an an an an an	 		anananya ay , in a si ta sana ana ana ana ana ana ana ana ana a	equality and the state of the s	and an an an an an an an an an an an an an
12.5	Item No115 Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in	2.00	Nos	350.00	684.00	342	684
and the second second second second second second second second second second second second second second second	length including all accessories complete.	250	- 1000000 - 10 (100 - 1000000 - 1000000 - 1000000 - 1000000 - 10000000 - 10000000 - 10000000 - 100000000	gundagunga tang kang kang kang mang sa kang kang mang sa kang s	ar the and a contract of the state of the st	1	n aggeren an anna a geren a' an the Mall State of a state of the
12.6	Item No116 Providing and fixing C.P. wall mixer			х 1. у. 1.			
	with provision for overhead shower with 115 mm long bend pipe and wall flange of approved make including necessary	2.00	Nos	4850.00	9490.00	4745	9490
12.7	sockets/ unionnut etc.complete. Item No117		e de segue de l'en construction d'Inde d'Anna de la construction de la construction de la construction de la co	enonen en		and a second second second second second second second second second second second second second second second	anna tha ann ann an
	Providing and fixing H.D.P container Syntex or alike one piece moulded					y 4 v 1	
	water tank made out of low density polythyler and built corrugation		. 3 	• • ~ ~	110000.00	10	110000
	including of delivery up to destination hoisting and fixing of accessories such	11000.00	Ltr	10.50	110000.00	10	110000
	as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres						
	Spec. No.: As directed by engineer-in- charge.			8 • <sup>1</sup> -	a paga an ang ang mangang ang ang barang ang ang ang ang ang ang ang ang ang	and the second se	1
12.8	Item No118 Providing and fixing machine cut mirror				n - Charles - Martin - Charles - Charles - Charles - Charles - Charles - Charles - Charles - Charles - Charles - Charles - Ch	а а <sub>л</sub> ага	
1.1	polished 18 mm to 20 mm thick telephone black granite/ Amba White/			27(0)	22074.00	2(70)	22074
	Catbarybrown /RBIred /OceanBrown	6.00	Sqm	3760	22074.00	3679	22074
	granite stone partition with full moulding the edges etc. complete . Both	<i>.</i>		Δ - 1 	n an	and a state of the	, ,
12.9	side polish Item No119	annad yn ddan yn de falad ar yn yw ar yn y de falad yn defarad yn yn yw ar yn yw ar yn yw ar yn yw ar yn yw ar C	an an an an an an an an an an an an an a	a ya ya na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku na ku n		1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nje njem konstruktiv na se se se se se se se se se se se se se
	Providing and fixing White Glazed Earthenware full stall type Urinal with					1 1 × 1 1 2	
	P.V.C. flushing cistern of 5 liters capacity with fitting, inlet pipes and stop				· · · · ·	1 - A	20546
	tap, brackets for fixing the cistern, 32 mm dia, P.V.C flush pipe with fittings	2.00	Nos	10500.00	20546.00	10273	20546
Sjon€	and flushing arrangement including lead soil pipe, lead trap, soil pipe						
1 ap 1 12	connectionup to the outside face of the wall						1 Landon a serie contribution of contribution
13.0	Item No120 Providing and fixing reinforced cement		n na an an ann an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna an Anna			e de la serie br>La serie de la s	
S.	concrete cover of size 90cmx 45cm with	112.00	Nos	5200.00	569856.00	5088	569856
nalisen in med sententit	frame over inspection chamber etc. complete. Medium duty (140 Kilogram)		niejskapolityk (niejski Wiejski (hiejski beredik)	<ul> <li>A statistical statistic framework and statistical statistics</li> </ul>			ار در افغانه محمد دهمینیوردی ورزم در
13.1	Item No121 Providing and Supplying Biodigester	*				An an an an an an an an an an an an an an	en en en en en en en en en en en en en e
	Tank as per the specification and guideline set by DRDO for tank of 2						
u <sup>È</sup> t	cum capacity having FRP tank with two baffle plates. Total 3 compartments with						
	inlet and out let connections Recharged with 400 Liter inoculums and inbuilt	2.00	Nos	135000.00	264168.00	132084	264168
	with immobilization Matrix. Thickness of tank should be 3mm, Partition 3 with	- -		н. К. Т.	. 9		-
( <b>a</b> )	metal reinforcement, with inititing and supervising the operation of the tank	-					
	and transport upto work site etc	1					
13.2	complete. Item No122	an ganganan ang katalon (katalon (katalon (katalon (katalon (katalon (katalon (katalon (katalon (katalon (katal	an pagangan ang kanalan santa patènénénénénénénénénénénénénénénénénénéné			1	
λ '	Garden Sóil :- Supplying on site garden soil well sieved 90% to pass through I.S.		-			en en en la companya de la companya de la companya de la companya de la companya de la companya de la companya En esta de la companya	
	sieve of 10mm size free trom stones, rubbish like dried grass roots and other			1650.00	3149979.24	* 1614	3149979.2
v	such materials. The soil should be fresh from quarry. The color of the soil	1951.66	Cum	1650.00	5149979.24	1014 - 2014 - 2014	51723(9.2
	generally is red. The soil will be measured by measuring box. (Farma)	2.		9			
	Item includes royalty charges, octroi, corporation tax, Transporting, loading-	2				in the design of the second second second second second second second second second second second second second	
	Land the second state of t					چ ب ب	
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l verans an owner	Silver and an and a statement of the statement of the statement of the statement of the statement of the statem	gue che a une descenden descenantes de	January - 444 area from the	n Radio e repainingeque anna qui va lla q	Annotation and qualitation action action and	n	an an an an an an an an an an an an an a	1
	unloading etc. (Lead charges per 90km are considered.)		n an	an and a state and the state of the state of the state	e The second second second second second	na an an an an an an an an an an an an a	ali and a second s	
13.3	Item No123 Farm Yard Manure :- Supplying on site						Again - Again Amana	
L-MARINA	well-decayed, well-dried, well- powdered, without clods and free from			-	i verane de la constance	- Internet and the second second		
	stones, dried grass and other rubbish material. The color of the soil generally	650.55	Cum	1650.00	1049987.70	1614	1049987.7	
	is black. The manure will be measured by measuring box. (Farma). Item						n	and the second se
	includes Transporting, loading- unloading etc. (Lead charges per 50km		- variety commission	*				de l'antice antice a
13.4	are considered) Item No124			nin alika na kana kana kana kana kana kana kan	and a second state of the	an an an an an an an an an an an an an a	and a second second second second second second second second second second second second second second second s	
	Preparing instant Lawn:- Excavating the ground to a required depth of 20cms,				and a second second second second second second second second second second second second second second second			a () normalization of the second second second second second second second second second second second second s
	removing & conveying unwanted stuff to a required distance as directed.		- warman and the second		-	τ. 		
Tayan Mirey States	providing and Filling fresh garden soil/silf & manure in excavated area in							4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
A. Commenter of the	3:1 proportion to a height of 20cms. Mixing garden soil and manure	1773.34	Sqm	850.00	1475418.88	832	1475418.88	The second second second second second second second second second second second second second second second s
Law and the second second second second second second second second second second second second second second s	thoroughly well, levelling, watering on previous night. Planting required variety							
	of lawn grass as directe and maintaining till 30 days by watering,		+		and proceeding the second second second second second second second second second second second second second s	-		
1.7 2	weeding, clipping, rolling etc. complete.		nong, 1 - ay mapping samaging a roupong mara - 1 -	,	an sea an an an an an an an an an an an an an	, , , , , , , , , , , , , , , , , , ,		
13.5	Item No125 Preparing Lawn (30 Cm depth):-						ne ne ne ne ne ne ne ne ne ne ne ne ne n	
	Excavating the ground to a required depth of 30cms, removing & conveying				anna an an an an an an an an an an an an			a a manage ( Maria ) a particular and marine
	unwanted stuff to a required distance as directed, providing and Filling fresh				7 7			
	garden soil/silt & manure in excavated area in 3:1 proportion to a height of	1290.34	Sqm	950.00	1198725.86	929	1198725.86	
a for drawns	30cms Mixing garden soil and manure thoroughly well, levelling, watering on		directive and the second					
narranna an the second s	previous night. Planting required variety of lawn grass as directed and		And a second second second second second second second second second second second second second second second					
r	maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.							
13.6	Item No126 Preparing Shrubbery:- Excavating the	Appropriate And Provide State						
	ground to required depth of 30cms, removing and conveying unwanted stuff					and the second s		
	to a required distance as directed. providing and Filling fresh garden soil		a distant and some					
	& manure in excavated area in 3:1 proportion to a height of 30cms. Mixing	2250.86	Sqm	725.00	1595859.74	709	1595859.74	"maps.or"
	garden soil and manure thoroughly well, levelling, watering, on previous night.							and an a second second
	Planting well-rooted shrubs 0.5 Mtrs.apart as directed and maintaining							
	till 30 days by watering, weeding, elipping, rolling etc. complete.							a na milangan na milangan na milangan na milangan na milangan na milangan na milangan na milangan na milangan n
13.7	Item No127 Planting large flowering/Shady trees:-	n Mali an Africa ann Thàinn an Air an Air an Airte an Airte an Airte an Airte an Airte an Airte an Airte	jag ang ang ang ang ang ang ang ang ang a	an man ar ann fhant sa dùngar, sha ba ann (fa dha ga , s' a' a' a' -	ng mananality, palipana seripa darianten dias su Calmanette		n	
	(Minimum Height to 1-2 Mtr. )Digging pit with size 0.6 m × 0.6 m × 0.6 m						ner - programme	Some of the second second second second second second second second second second second second second second
	Removing & conveying unwanted stuff					-	and the second se	
	to a required distance as directed. providing and Filling the pit with							a and a second sec
	approved excavated material up to a hight of 0.30 m. and remaining height of	262.00	Nos	900	230822.00	881	230822	
	0.60 m. with fresh garden soil & manure in in 3:1 proportion. Mixing soil and				и. 			1.5
	manure thoroughly well, leveling, as directed, watering previous night.			5. m				
	Planting two or three year old,minimum 2.0 mtr. mtr. hight, healthy tree sapling		e		Non-			
	as per specifications. Maintaining till 30	10,000 - 10,00 - 10,00 - 10,00 - 10,000 - 1000	 	allowers, and the statistic of the state		enter an anna chaile barraid ar san a		

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	days by watering, weeding, clipping,		Contraction of the second second second second second second second second second second second second second s		senning ang been at season of all devices of all devices of the season o		and a second second second second second second second second second second second second second second second
	rolling etc. completc.	a series and the second se	int on approximit stratigies (d) ( ), of strategy	angenaan angena van de de state en de state in de s	alaman ing aga na na ana atawa da bana ana atawa na sa ata	and the second second second second second second second second second second second second second second second	
13.8	Item No128				1. A.		
	Providing and Fixing, Installation of				1988		
	Drip and Sprinkler Irrigation system in gardens having area above 3000 Sq.	3907.85	Sqm	350.00	1336484.70	342	1336484.7
	Mtr. Incudes drips, Sprinkler, Filters,	3907.65	oqui	550.00	1000101170	a - 1 - 1	
	Pipes with 3 year warranty . Excluding		10 10 10 10 10 10 10 10 10 10 10 10 10 1			23 B	*
	Pumping Unit			·. ·	9	$\frac{1}{T} = \frac{1}{T} \left( \frac{1}{T} + \frac{1}{T} \right) \left( \frac{1}{T} + \frac{1}{T} \right)$	
13.9	Item No129	1 1	an an an an an an an an an an an an an a	a a a ga a ga a ga a shi a sagan sunna a sana a shi di sa	na ang ang ang ang ang ang ang ang ang a		ngag a coggosolar i solitation de come es a d'al-
1.5.9	Providing and fixing Animal Mgr with			77000.00	202520.00	77200	293520
	all fitting as approved with Engineer-In-	4,00	Nos	75000.00	293520.00	73380	295520
	Charge			9		ن المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع ( المراجع (	er
14.0	Item No130	n fan ferste fan ferste ferste ferste ferste sterfen sterfen sterfen sterfen sterfen sterfen sterfen sterfen st					
• •••	3 IN 1 (AERIAL STROLLER + SURF	8.00	Nos	250000.00	1956800.00	244600	1956800
	BOARD + SHOULDER TWIRL)		www.com/com/com/		and page process some care i some directed to the	, and the second second second second second second second second second second second second second second se	
14.1	Item No131	1			· · · ·	· · ·	
	Providing and fixing Multi Seater See	4.00	Nos	50000.00	195680.00	48920	195680
	Saw with all fitting as approved with	4.00	1105	50000.00			
	Engineer-In-Charge	and the second state of the se	and and a first from the second second second second second second second second second second second second se		a magangang periodi sa pangangananan sa milinana 1999	Rear of helefolder of Helefold of Law Control (1994)	and a second and a second
14.2	Item No132	:		ý	· · · · · ·	1	
	Providing toilet of 4 units of 0.9*1.2M				a.,	L	
	size of 1 unit with all necessary fittings			6		Sa	4 8
	such WC Wash basin overhead tank of	1			, - * ¥	and the second second	
3 <sub>1</sub> 3	1000 ltr for each Type of WC :				5 a.	· •	
	European with ceramic base, Water			and the second	the second second	A. C. A. C.	
	facility : By mean of overhead tank.			4		$(x_1, x_2, \dots, x_n)$	
	Electric provisionBy mean of connection from main line, Bottom				e esta a	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
	frame material: 35mm X 35mm X				and the second		
	5mm(thick) MS angle for one seater,				a da serie de la companya de la companya de la companya de la companya de la companya de la companya de la comp	ang tao ba	
	Bottom frame support material : 25mm	×.			· · ·		
	X 25mm X 3mm(thick) MS angle, Side					ę	
	& Top Roof panel frame material :			,			
	35mm X 35mm X 5mm(thick) MS						
	angle, Top(roof) support frame structure	6,00	Nos	1150000.00	6750960.00	1125160	6750960
	: 25mm X 25mm X 3mm(thick) MS	6.00	NOS	1150000.00	0750700.00	1120100	
	angle, Ventilation frame material:		-				
	25mm X 25mm X 3mm(thick) flat MS,	*		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Door frame material: 35 mm x 35 mm x	:			1.1	1.524	
	5 mm (thick) MS ANGLE, Support	1			· · · ·	, . × .	( ) }
	material for Door panel fixing:				1. R. C.		
	Aluminium U-channel of 18gauge, Door				1. A. M. 1.	$  ^{2} $	
	hinges(two numbers): 75mm size with	1					6
	1.2-1.5mm thickness MS, Tank holder					and Same	
	frame material: 25mm X 3mm(thick)	4 				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	MS flat, Unit understructure Supported by 4-legs of size 35mm X 35mm X				1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	5mm MS angle with corner support of		-				
	25mm x 25mm X 3mm MS angle for 1-	2		****	З — <sub>1</sub> ,		
	seater, Door Tee material: 40mm X						н. 1
	40mm x40mm X 5mm(thick) MS Tee,	(	a can any good from the transmission and the " = "		and a strange constrained on the second	n na serie de la competencia de la competencia de la competencia de la competencia de la competencia de la comp	and the second second second
14.3	Ilem No133				- 		ана 1911 г. – С
144 . 7	Providing Unbranded Steel Porta Cabin						
14.2							
14.3	consist of With one Room of size 3050		1		1	, š.,	
14.5	consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having			4	1.	1	
14.2	consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications.	-				and the second second	
14.2	consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications. f) PUF Wall Panel — Panel made up of	- - - -		n North North		an an an an an an an an an an an an an a	
14.5	consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications. f) PUF Wall Panel — Panel made up of micro ribbing Pre-Painted Galvanized				· * * *		
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having</li> <li>following specifications.</li> <li>f) PUF Wall Panel – Panel made up of</li> <li>micro ribbing Pre-Painted Galvanized</li> <li>Iron Sheet on both sides(have tongue</li> </ul>				1997 - 19		
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick</li> </ul>	2.00	Nor	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-Painted Galvanized Iron Sheet –</li> </ul>	2.00	Nos	100000.00	195680.00	<b>97840</b>	195680
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-Painted Galvanized Iron Sheet –</li> <li>2) Flush door 32 mm thick water proof.</li> </ul>	2.00	Nos	100000.00	195680.00	<b>97840</b>	195680
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-Painted Galvanized Iron Sheet</li> <li>2) Flush door 32 mm thick water proof.</li> <li>3) Window-Powder coated aluminium</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050</li> <li>mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-Painted Galvanized Iron Sheet –</li> <li>2) Flush door 32 mm thick water proof.</li> <li>3) Window-Powder coated aluminium sliding windows with 4 mm tinted Glass</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel ~ Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre- Painted Galvanized Iron Sheet</li> <li>2) Flush door 32 mm thick water proof.</li> <li>3) Window-Powder coated aluminium sliding windows with 4 mm tinted Glass 4) Flooring- 15 mm heavy duty cement</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel — Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre- Painted Galvanized Iron Sheet</li> <li>2) Flush door 32 mm thick water proof.</li> <li>3)Window-Powder coated aluminium sliding windows with 4 mm tinted Glass</li> <li>4)Flooring- 15 mm heavy duty cement fiber board inside and outside texture</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680
14.2	<ul> <li>consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications.</li> <li>f) PUF Wall Panel ~ Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre- Painted Galvanized Iron Sheet</li> <li>2) Flush door 32 mm thick water proof.</li> <li>3) Window-Powder coated aluminium sliding windows with 4 mm tinted Glass 4) Flooring- 15 mm heavy duty cement</li> </ul>	2.00	Nos	100000.00	195680.00	97840	195680

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	galvanized iron sheet and Self draining							
	Type Roof shall be provided with water					24 		
	proof covering.				Carlos and Carlos			
	6) general electrical- Provision for 3 nos. tube light (18 Watt LED light) - 2							
	nos. wall mounted ceiling fan (300 mm)							
	- 3 nos. plug and socket (3 pin 5 amps						:	
	electric plug socket)- 1 no main input							
	socket (32 Amp heavy duty 3 pin power		2	-				-
	socket with MCB)- split AC (1.5 T)					· · ·		
inali in ana a	provision	and a set of the set o	n a statuare su com a conservation de seur		ing a state of the	under and the second statement of the second statement	A AND AN A REAL PROPERTY AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL	1
14.4	Item No134							-
	Providing, hoisting and fixing at all level precast or reinforced cement							
	concrete gazebo with all elements like			Ne v Ne				
	roofing, string courses, bands. copings,							- di Guine
	columns, pillars beams, plinth beams,							
	railings, benches, flooring, foundations							
	including architectural design,							and the second second
	moulding, arches, shapes, and applying	122.05	C	65500.00	8526509.25	64085	8526509.25	
	proper texture and paining coats to suit a particular asthetic element (trunk of	133.05	Sqm	65500.00	8520509.25	04005	8520509.25	
	trees, shapes of animals, birds, timber					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		-
	benching, any element or structure							
	representing culture or tradition) the							-
	cost of required centering, shuttering							
	and reinforcement, of M25 grade and							Conservation State
	fibrous material, etc complete às per the							- Angle -
	instructions of Architect or Engineer- incharge.( Refer sketch 3)		×					and in the
14.5	Item No135	e quara como con marcono de deserv	inne dere letter er miller eine er bilder er etter	n and a second s	F. J. C. Star Equation (C. S. 1962) 94. A Starting Solution of the start of the prob- position.	$^{2}$ - model $^{2}$ - the Helder distance $\mathcal{P}(k,m,0)$ and $\mathcal{P}(k)$ (Helder $^{2}$	ganga na mataong pananang panana Y	
1401	Excavation for roadway in earth, soil of							
	all sorts, sand, gravel or soft murum			1				بالميساب
	including dressing section to the						£	tern) haaraan
	required grade, camber and side slopes	9533.85	Cum	180.00	1677957.60	176	1677957.6	and the second
	and conveying the excavated materials	<i></i>						
	with all lifts upto a lead of 50m, and spreading for embankment or stacking			2				-
	as directed.							10000
14.6	Item No136	aalaan ayyaataanggoogoo yaha aa ku ku k	еунды эмгэлтэ <b>м</b> өлж энээ Г		and a second trace of the special state of the state of the physical sec	en en sen en sen en sen sen sen sen sen	hanta ana ang pananana ang tanàna ang mang Tanàng tanàng	alimpede:
	Providing, laying, spreading and					and the second se		di Comențiae
	compacting stone aggregates of specific							or and the second
	sizes to water bound macadam					1.0		in the second second second second second second second second second second second second second second second
	specification including spreading in							anenda di ku
	uniform thickness, hand packing to proper grade and camber, applying and					19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -		and the second
	brooming requisite type of screening/	4949.00	Cum	3850	18642883.00	3767	18642883	-
	binding Materials to fill up the			1				-
	interstices of coarse aggregate, watering							
	and compacting with vibratory roller to							(
	the required density. By Mechanical		3	K. Starsmann				
	Means -Grading 1 (Using Screening							
4.7	Type B (11.2 mm) Aggregate) Item No137		lean eo consta a anos entras en		e el l'ensite o triato continuada parte di Molto de la	a a sense de la companya de la companya de la companya de la companya de la companya de la companya de la comp	yan tahun dalapi ana ang sa sang sa sang sa sa sa sa sa sa sa sa sa sa sa sa sa	
4.7	Providing, laying, spreading and							along and a second
	compacting stone aggregates of specific							-
	sizes to water bound macadam							
	specification including spreading in							-
	uniform thickness, hand packing to				anna i			to other sector
	proper grade and camber, applying and	1871.00	Cum	3850.00	7048057.00	3767	7048057	
	brooming requisite type of screening/	KOT KIUQ	N. 11111		1	2.01	and and set of a	
	binding Materials to fill up the			and the second se				
	interstices of coarse aggregate, watering and compacting with vibratory roller to							
	the required density. By Mechanical							and in the second
	Means - Grading II (Using Screening	-						
	Type B (11,2 mm) Aggregate)							
4.8	Item No138		allina e la construction de la				norman ann mar chloro octar ann na marainn a' Danchhile a'	-
	Providing and constructing 75 mm.	18710.00	Sqm	350.00	6398820.00	342	6398820	-

1. Sec. 1

naama gengena daa ba ta kana bang wagayaya marana a na daa ta						
(MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm, stone met	al					
layers 30% crusher broken metal 487 Hand broken (by breaking rubble	0%		1	ж.		
obtained by blasting) heating and spraying the bitumen of specified gr @ 2 Kg/sqm, spreading 12 mm.size						
chips compacting with three wheel s roller having weight 8 to 10 MT. to achive the desired degree of compac			5	stational stational stational	1 N	
as per Technical Specification Claus 506 etc. complete. Including picking existing WBM surface. (VG-30 bulk	g of 👘					~
bitumen rates are considered to arriv rates)	e at	- war nam ang pangang pangila (bi da Cardo Al (1974)). A far		n i naga na sa	upper L. Joseph and many these of the form full the set	na na mana ana amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny far
Providing and applying tack coat on prepared surface heating by fames in	1	Com	20.00	748400.00	20	748400
Boiler and spraying bitumen set fool in bitumen boller on B.T. surface 2. kg/10 sqm.(VG-30 bulk bitumen rat	5	Sqm	20.00	110100.00		
are considered to arrive at rates) 15.0 Item No140 BITUMINOUS MACADAM: Prov and laying bituminous macadam usi	ing			nan na kanala na kanala na kanala na kanala na kanala na kanala na kanala na kanala na kanala na kanala na kana Na kanala na	2	undalandi, un antini en de la construir en la construir en la construir en la construir en la construir en la c
crushed aggregates of Grading 1. premixed with bituminous binder, transported to site with VTS , laid o	ž		- ,		in a start	
previously prepared surface, finishe the required grade, level, alignment, rolling to achieve the desired	d to	Cum	9200.00	12630653.25	9001	12630653.3
compaction for 80/100 mm compact thickness with 3.3 % using specified grade of Bitumen USING Batch	d l		-		landar 1990 - Angeland 1990 - Angeland	
type hot mix plant with SCADA, Se Paver, vibratory roller.(VG-30 bulk bitumen rates are considered to arri	ensor				a (a. 1997) 1996 - Alis 1997 - China Ang 1997 - Angelet Statu	
rates) 15.1 Item No141 Providing and applying tack coat or	n the	a sanaaa dala kata kata kata kata kata kata kata k	a a an an tha an tha an tha an tha an an an an an an an an an an an an an		стория 1. стори	analog polytone to constrain on the Constraint of the State of the State of the State of the State of the State
prepared surface heating by fames i Boiler and spraying bitumen with sprayer on Dry / Hungry B.T. surfa	n 18710.00 ce 3	Sqm	20.00	374200.00	20	374200
kg/10 sqm. (VG-30 bulk bitumen ra are considered to arrive at rates) 15.2 Item No142 BITUMINOUS CONCRETE:	ales	ang dag mag nag ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng mga ng m	· · · · · · · · · · · · · · · · · · ·		3	and a second second second second second second second second second second second second second second second s
Providing and laying bituminous concrete using crushed aggregate o grading 1, premixed with bitumino	f bus					
binder @5.40% by weight of total and filler, transported at site with V laid over a previously prepared sur	mix /TS, face,					
finished to the required grade , leve alignment, and rolling to achieve th desired density for 50mm compact	l. ne 1341.00 ed	Cum	12100.00	15876099.00	11839	15876099
thickness with drum mix plant with SCADA, Sensor paver and Vibrato roller excluding prime/Tack coat e completeBitumen of specified g	tc.	)	s L	· · · · · · · · · · · · · · · · · · ·		
with stone dust filler. (VG-30 bulk bitumen rates are considered to arr rates)				10 M (10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		

15.3	Item No143 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on	an sharan ku chada sha kada sha			a (Alexandro) e de construcción en englana e la construcción e	ano con los cones mensiones en		n an
	Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.complete.	605.07	Sqm	450.00	266230.80	440	266230.8	status e se estatus anticas de la constituí de se activitado estatus estatus estatus estatus estatus de la cons A se estatus
15.4	Item No144 Nameplate (3D acrylic hollow blocks with LED)		μ · · · · · · · · · · · · · · · · · · ·		n an an ann ann ann ann ann an ann an an	ann, Raitheanna, ann, teanadheann eann		a di nana data data na data data data data d
	S.I.T.C. of Nameplate stating in Devnagri/English font in the desired style as per specifications. The total asembly letters made of frosted acrylic							
	sheets cut and glued together to achieve the hollow letters as per approved		e di Culorente					- Second
	design with provision for electrical	38.75	l Sqm	30000.00	1137390.00	29352	1137390	
	supply for white/warm white LED lights of required wattage that will be lit from inside the blocks for illumination in the							an state in the state of the st
	night. The whole assembly shall be rested/fixed with all necessary fittings and cleaning etc. complete as directed by the Engineer-in- charge.							e (n) for some in the gradient (n) the grade of the so
15.5	Item No145 Providing and fixing informatory sign boards in rectangular shape of size 1.20m x 0.90m madeout of 16 guage	р , уна солоноронску у краницу и налоско.	ала 1 (1) (1 и от 1) (1 и от 1) 1 и от 1 (1) (1 и от 1) 1 и от 1) (1 и от 1)		agements dankados Alexandos (* 11.2 14.9)			and a subsequence of the second second second second second second second second second second second second s
	Aluminum panel bonded with IRC Specified colour of retro reflective sheeting of Type IV High Intensity Micro-Prismatic Grade Sheeting (HIP)			1999 - 19				el new ser con concepto di engli finanza seregio di
	having pressure sensitive / heat activated adhesive, IRC Specified colour retro reflective cutout border & messages having pressure sensitive							and the second se
	adhesive having border & messages in IRC Specified colour background including M. S. angle iron frame of size 35 mm X 35 mm X 3mm & two M.S.	19.00	Nos	13500	250952.00	13208	250952	a de la construcción de la construcción de la construcción de la construcción de la construcción de la constru
	angle iron post of size 65 mm X 65 mm X 65 mm X 65 mm X 65 mm X 65 mm X 65 ml ong, duly painted with flat oil painthaving alternate black and white bands of 25 cm width including							discribed and index of the second second second second second second second second second second second second
	G.I. fixtures etc; fixing the boards in M- 20concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Aluminum Panel TypeIV High Intensity		E.					and an one of the standard of the second stan
15.6	Item No146 Providing and fixing sign boards of size size 60 x 80 cm made out of 14 gauge M.S.Sheet with retro reflective sheeting of Engineering Grade as per M.O.T. specification No. 801-3(1993) white	21.00	Nos	10000.00	205464.00	9784	205464	name by the second second second second second second second second second second second second second second s

	bordering of black non reflective paint including 3.65 metre long M.S.angle one post of 65 x 65 x 6 mm size duly painted with white and black bands including fixing the boards of M.S. angle with galvanised nuts and bolts and washer. The Board shall be as per IRC- 67-1977 including conveying fixing in ground with C.C. 1:4:8 block of size 0.60 x 0.60 x 0.75 m, with 7 year guarantee for the sheeting etc. complete. Mild Steel Board with Engineering Grade,		1 - Section (	- - - - -			
15.7	Item No147 Providing and fixing board displaying information, such as "Name of work, Tender cost, Name of Contractor, Work completion and liability period etc", having rectangular shape of 1.20m x 0.90m size made up of 4 mm aluminum composite pannel sheet with 0.5 mm				- F	,	
	skin thickness on either side bonded with white retro reflective sheeting of Class B (Type IV High intensity micro- prismatic grade sheeting-HIP) having pressure sensitive adhesive. Retro reflective sheeting with specified background, border and back side reto					w - 1	
	reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate	2.16	Sqm	15000.00	31700.16	14676	31700.16
sector and the sector and the sector and the sector of the	black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer				ve ,		
15.8	including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
	Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide scat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete	60.00	Rmt	12500.00	733800.00	12230	733800
	with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish						

							- N L.	
	an an tha an an tha an tha an tha an tha an tha an tha an tha an tha an tha an tha an tha an tha an tha an tha Tha an tha an							
							n Million	
	<ul> <li>A state of the sta</li></ul>			y 1.4	1.00	******		
					an an an an an an an an an an an an an a	an an an an an an an an an an an an an a	e San damagan di kasar na sina sa si sa sa sa sa sa sa sa sa sa sa sa sa sa	
and an and a second sec	including Cement, Sand, Aggregate,				-			
e service en el contra en el contra en el contra en el contra en el contra en el contra en el contra en el cont	chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all				-			
	material, labor, scaffolding, excavation,		•					
	pee, for steel etc. all complete. Work done should be as per a approved			· .				
	sample & the instructions of engineer							
15.9	incharge. Item No149	epsystem i sense den	1		ana ang pananan tanta atau atau at	$\label{eq:product} = \{p_1, m_2\}, p_1 \in \{1, 2, 3, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,$	n ng ng manang ng manang ng mang ng ma Ng mang ng mang	
	Providing and fixing Garden Bench with	10.00	Nos	15000.00	146760.00	14676	146760	and the second
	Arm with all fitting as approved with Engineer-In-Charge							in the second second second second second second second second second second second second second second second
16.0	Item No150		anna a na marana bannar 199			<		
	Ss Dust Bin (Refer sketch 10) Product area:0.76Sqm. Capacity in ltrs: 42.0 ltrs,	80.00	Nos	14500.00	1134960.00	14187	1134960	
	Product height:0.92m	ana ana amin'ny faritr'i 1900, amin'ny faritr'i 1900.	in the second second second second second	10 Carlo Car	n et som attense på som fordeten som ståretet i til det i tilleter det som	ing a straight of the straight	nganta Kapungha di Processipata Ingador - Pr	
16.1	Item No151 Providing and fixing of retro-						н У	and the second second second second second second second second second second second second second second second
	reflectorised informatory sign board					1		
-	rectangular/Square in shape having area greater than 0.9 One Square Meterr				ε.			-
	made out of 4 mm aluminum composite							in the second second second second second second second second second second second second second second second
-	panel bonded with 0.5 mm skin thickness on either side with white retro				4			
1974 - <b>19</b>	reflective sheeting of Class C (Type XI							
	Type XI Micro prismatic grade sheeting) having pressure sensitive							annafficientes (r. 1
ra, na de casa como como	adhesive retoreflective specified back				1			
and the second second second second second second second second second second second second second second second	ground, border and back side retorefletive symbols, letters, numerals,							
-and public of Approx	arrow including Art Work complete as per IRC:67-2012 Table No 8.3.							
	supported with back support frame							
	25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove							
	enamel paint and supported on two no.							
	mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt ~ 3.9 mtlong firmly							
n, manadar da	fixed to the ground by means of				· · ·			na na na na na na na na na na na na na n
	properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x	217.00	Sqm	16500.00	3503248.00	16144	3503248	
a nanjara <b>na</b> peda	60 cm. 60 cm below ground level as per					la de la composición de la composición de la composición de la composición de la composición de la composición		- Transformer
- Carlonnal - Mar	approved drawing The angle iron post shall be duly painted with one coat of							
	epoxy primer and two coats of epoxy							-
anged characterist	finish paints having alternate black and white bands of 25 cm width including			and a second second second second second second second second second second second second second second second				
	fixures and transportation		k					August 1
to and a constant of	etc.complete.The nut bolts of board with angle iron post/supporting structure							
	after fixing at site has to be electrically					n i		
a real and a real and a real and a real and a real and a real and a real and a real and a real and a real and a	welded. ClassC_ ( Type XI Type XI Micro prismatic grade sheeting)					1		
	sheeting shall have 10 years written warranty from the manufacturer				ů.			
	including the Digitally Printed areas							
	with Latex printing technology with sheeting manufacturer approved inks							
Africanter - Inc. Inc.	and laminated with UV overlay film and							
	this warranty certificate along with sheeting manufacturer attested 3 years					an an an an an an an an an an an an an a		
-	outdoor weathering test report from							
turity- 1) when a	Indian govt lab must be submitted to the Engineer in charge by the		-					
	contractor/supplier.	ay de magger - he - sign gê say Pleas - he stêl ay di di dame ey s	na ana amin'ny faritr'o dia mampika amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny		· · · · · · · · · · · · · · · · · · ·	en Constante esta como a sinte estate apara como	a second second second second second second second second second second second second second second second seco	erenter -
16.2	Item No152 Providing and laying of compression							
-	seal joint consisting of steel armoured	8.00	Rmt	4850.00	37960.00	4745	37960	
Versile II Mr	nosing at two edges of the joint gap suitably anchored to the deck concrete		4					
ic - Neordin	and a preformed chloroprene elastomer	n			L	I	an an an an that that a provident that the theory of the	and a second
	1965 <b>*</b>							

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						<i>,</i>		
				· · · · · ·	7 4 1	-		5. <sup>-</sup>
					ł			- 
16.9	Item No159	aya tay maayayaa aa teena too adkee	1	- 	$\sum_{i=1}^{n} (i,j) = \sum_{i=1}^{n} (i,j) = \sum_{i$	and have a constrained with the	generatives and contractive (10), all more other	n ng
odini internetioni	Carrying out low strain pile integrity test on 900 nm diameter pile including all arrangements for test, equipments/accessories, materials.							
erre versekderserre vers	labour, submission of test report etc but excluding the cost of installation of job pile (installation of pile shall be paid seperately as per releventitems)all complete as per specification and as	229.00	Nos	4200.00	940961.00	4109	940961	n on an
17.0	directed by the engineer-in-charge Item No160	population is adapted in the other instantion for	a come concernation		<ul> <li>domain or 1.0 not constrained approximation of the second second second sec second second sec</li></ul>	e per en anticipa de la construcción de la construc	ne se	And the second sec
	Conducting Initial Load Test (Compression) up to maximum test load of 2.5 times the safe load capacity on single pile as specified in accordance with 1S 2911 part-4 including preparation of pile head for testing,							
deligini arranda	necessary excavation, jacks, kentledge, accessories, measuring devices, recording of results, labour, submission of test report etc. complete, but	5.00	Nos	700000.00	3424400.00	684880	3424400	
okanyi di shiftiyaraya	exchilding the cost of installation of pile (insallation of pile shall be paid seperately) etc.all complete as per the specification, drawing and as directed by the Engineer in charge for the following for vertical compression test							
17.1	by cyclic load method Item No161	· · · · · · · · · · · · · · · · · · ·			and the second data and the second data	where $\alpha$ is the $\alpha$ -production in the state $\alpha$		and and a second second
	Mobilisaton of Project, setting of pile points. Pile driving System using end on the Gantry system with required no. of Gantry Platforms & shifing of Gantry Platforms from on position to another, etc complete as per direction of	1.00	Nos	300000.00	2935200.00	2935200	2935200	
17.2	Engineeretc complete Item No162			, 1. Jacober 1965, 5, 1000 (1965) 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,		a and a second and a second	and a star of the	
	Supplying, fitting and fixing in position true to line and level sliding plate bearing with stainless steel plate sliding on stainless steel plate with mild steel matrix including all accessories as per	4.92	MT	350.00	1682.64	342	1682.64	no en en la constante de la constante de la constante de la constante de la constante de la constante de la co
17.3	drawings and technical Item No163	an an an an an an an an an an an an an a		· · · · · · · · · · · · · · · · · · ·	i par sunte tenno su nominant e en	ale asses are set to the terms	li Internetional and the second second second second second second second second second second second second second	a construction of the second se
	Supplying, fitting and fixing in position true to line and level forged steel rocker bearing including all accessories as per drawings and technical specifications conforming to IRC:83 (Pt-1) section IX and clause 2003 of MoRTH	3.28	MT	350	1121.76	342	1121.76	
17.4	specifications etc. complete. Item No164				en en a constituent la descritor en al la constituent de la constituent de la constituent de la constituent des		а манитериясыналар 1997 г. Аленттерия Балар (1997 г. А. 1997 1	~
novi mnovemene novi movemene novi novi mnovemene novi novi mnovemene novi novi novi novi novi novi novi novi	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary retilling	2633 73	Sqm	2500.00	6442103.58	2446	6442103.58	e me - Conceptor another many energy line we de
17.5	with bitumen etc. complete. Item No165 Bamboowood 10mm thick Wall Cladding including Threshold & T-mold for Accoustic purpose Providing & fixing in position Phenol bonded Bamboowood wall cladding at all height				ganta en caso desente especto de contrato (e plana en especial de contrato (e plana en especial de contrato (e	anger kunst suger som suger som suger en som som som som som som som som som som		
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion	981.99	Sqm	7840.00	7532845.29	7671	7532845.29	

2 <sup>1</sup>							:
fan sen de service de garen anna anna anna anna anna anna anna	Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak		90 - 1993 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1				al de Landard e dans un un un un un un un un un un un un un
	wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of					р <sup>5</sup> а.	
	50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh			х		۰. ۰.	~
12, 12	(rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded			<b>ب</b> ج ط			A
	poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on	n An an an			an an an an an an an an an an an an an a		
- Andrea - Angeles - Angeles	frame under eladding. The Bamboowood planks shall have minimum density of 1000 Kilogram/cum & minimum Hardness	- - -		÷	الله - الج - الج - الج		
	1000 Kilogram/cum & minimum Hardness 1000 Kilogramf, with Eco friendly UV coating, all complete as per direction of Engineer in-charge.	х 4 		ان این میرون میرون این این این این این این این این این ای		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	s Marine and the second second second second second second second second second second second second second second
17:6	Item No166 Design Supply and Installation of the Mangroves Trail Walk of Section 20 Meter Length and 2.5 Meter Wide as					an an a' a' a' a' an an a' a' a' a' a' ana a' trachairtean an a' trachairtean	
	per the Details and Specification of Project Information Memorandum (PIM) attached.	:					
	Technical Specification : • The mangrove trail should be 2.5m wide and should be made in sustainable method. To avoid harm to the	- 2 -					
and the second s	<ul> <li>• The all components should be made in wood/ substitute to wood, but the metal</li> </ul>			1993) 1. 187 - 19 1.			
	too avoids rusting of the members. • Piles are proposed to be in Jambha (Botincial Name: Xylia xylocarpa) wood which should be designed to take			1		an an an an an an an an an an an an an a	
	the axial load upto 2000 Kg Per pile. These Piles should be drilled in the mud/ marshy land at 2 Meter c/c and then should be made ready to receive	2 7 7			1	han da an h An	
т Та байлар, к	the primary beams on them. • Primary beams should be made in first class teak wood/similar quality	36.00	Per 20 Meter Length	3792700.00	133588008.0 0	3710778	133588008
	substitute. The primary beams do run along the trail, and do support the trail deck which should be designed for live load of 500 kg/sqm.			· · · · ·			-
and the second se	Secondary beams are then rested on primary beam perpendicular to the primary beam are to be made of the	2 <b>1</b>			an an ann		
al and a second second second second second second second second second second second second second second seco	Nature fibre Composite Material/ similar quality substitute. These secondary beams support keels in made from secondary Nature fibre Composite	4 5 6 7 2		2		n n n n Min n Ni n	
Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Allen Al	Material which then support floor finish. • Floor finish should be made to take wear & tear of the people movement,	- - -					
	giving appropriate friction in all the seasons and should be long lasting with minimal maintenance. These floor boards can be made in Nature fibre	k Li W					
. is p	Composite Material). Designing load of 500 kg/sqm should be considered. • Handrails and brackets supporting them should be made in Nature fibre	2	1 	19			
Andrew Conference on the Second	ala kana jungana yang kana kana kana kana kana kana kana k	2 2 4		: "×	هاری به این کار ایک های ۲۰۰۰ روم و ایک ایک		
an A		т 1			a ata t		

						n Ann an ann an Antonio Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann a	et	- and the set of
	Composite Material / similar quality	gene is a consistent of a second second of a second	Barren Brief Co. 101 classificitie have also		er mede de for set, oos die bekendeligende "Fried et, oor het			
	<ul><li>substitute.</li><li>All of these components should be</li></ul>							
1	strictly fixed with nut bolt system made							
	up from high grade stainless steel nut							
	bolts only.						- analati palemiki kerinta ( - adartika () 1006 dara	w5/10-12/1-12
17.7	Item No167		1		R.			
and the second second	Supplying, installing, testing &							
	commissioning 3 phase, 11/0.433 kV.							
	50 Hz., 400 kVA, Mineral oil immersed							
andresis at the	and naturally cooled outdoor type. Copper wound Non-sealed transformer							
	delta/star connected with additional							
	neutral brought out on load side,							
	temperature rise should not exceed 45°C				at the second			
-	by thermometer in oil and 50°C by the							
	resistance method in winding at full							
	load rating, using type A winding	1.00	Each	1118640.60	1094478.00	1094478	1094478	
	insulation (kraft paper) with HV tapping							
	(with off load tap changer) off load +5 to -10 in steps of 2.5%, having 7						t i k	
	number of tap positions with standard	and a second second						
	accessories complete with test							
	certificate with losses below 1225 Watts					ļ		
	at 50% load, 3450 Watts at 100% load			1				
	as per IS:1180 (part 1): 2014 with		-					
And a second second second second second second second second second second second second second second second	necessary permissions of Electrical							
	Inspector, as per specification no SS- TRNSL.							
17.8	Item No168	allander bereichte beiseren der Stander	$\label{eq:2.1} \left\{ {{{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}}_{{{\rm{s}}{\rm{s}}}}} \right\}_{{{\rm{s}}{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}_{{{\rm{s}}{\rm{s}}}}} \right\}_{{{\rm{s}}{\rm{s}}}}  = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}_{{{\rm{s}}{\rm{s}}}}} \right\}_{{{\rm{s}}{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}} \right\}_{{{\rm{s}}{\rm{s}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}_{{{\rm{s}}}}}} \right\}_{{{\rm{s}}{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}_{{{\rm{s}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}}} \right\}_{{{\rm{s}}{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{\rm{s}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{{\rm{s}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}}} \right\}_{{{\rm{s}}}{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}{{\rm{s}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}}} \right\}_{{{\rm{s}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\bf{u}}_{{{\rm{s}}}}} \right\}_{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{\rm{s}}}}} \right\}_{{{\rm{s}}}} = \left\{ {{{\rm{u}}_{{{\rm{s}}}}}} \right\}_{{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{\rm{s}}}}} \right\}_{{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{\rm{s}}}}} \right\}_{{{{\rm{s}}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{\rm{s}}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{{\rm{s}}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{\rm{s}}}}} = \left\{ {{{\rm{u}}_{{{{\rm{s}}}}}} \right\}_{{{{{\rm{s}}}}}} = \left\{ {{{{u}}_{{{{s}}}}} \right\}_{{{{{s}}}}} = \left\{ {$	an an an an an an an an an an an an an a	an an an farman an	terre e l'anne transportant avec transport	a in chird the other of constraints in providents	
17,0	Making transformer plinth (1.5 x 1.5 x						1 1	
	1.5) m in size with necessary excavation							
	in ground with 150 mm. thick M- 10					an an an an an an an an an an an an an a	5	
	PCC at the bottom and top and 250 mm.				к.			
	thick, burnt brick wall constructed at	4.00	Each	15730.00	61560.00	15390	61560	
	periphery and remaining hollow portion shall be filled with 40mm hard broken				-	1 1 1		
	aggregate. External surface duly					÷ i		
	plastered		A) (Made				2	
	by 12 mm thick including watering etc		-				2	
	complete.	2						
17.9	Item No169	months and the state of the second						
(s)pe antibut	Supplying and erecting triple pole mini				the second			
	feeder pillar with 500V, 300A				Sec. March		6	
	FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and		946 - 114-98					
	cartridge of 100A with aluminium bus							
1	bar crected in 14 SWG CRCA sheet box	5.00	Each	60880.00	297825.00	59565	297825	
	with supporting angles, self locks,	-						
	gasket having IP54,IK10 protection and							
	slanting							
	top to be erected on provided foundation							
18.0	as per specification no. SW-SWR/MFP Item No170	-	in the special terms and production to prevaid when	n an	Open son III., o nasprádorske kourtánik bedi it	and the state of the state of the state of the state of the state of the state of the state of the state of the	Bananan series ( series and temperatures )	erdenare se
10.0	Supplying & crecting single phase,							
	240V, street light control panel up to the					-		
	max load of 12kW, SPN MCB 63A,							
	powder coated CRCA 14 SWG sheet,							
and the second se	outdoor type, having IP54,IK10							
	protection, suitable rating contactor, 24	2.00	Dank	26940.00	57570.00	2020	53530	
	hrs. astronomical time switch with minimum 5 years battery back	2.00	Each	26840.00	52520.00	26260	52520	
	up_auto/manual selector switch.							
	ON/OFF push buttons, indicator lamps.		1	and the second se				
	controlwiring, metering device, etc. for					,		
	automatic operation & overcurrent,				. *			
	short circuit, earth fault protection on		an million (co			1		
1	provided iron frame / CC foundation.		1					se i de la Meranj
10 1	14 NT 1771	1		1		1 · ·		
18.1	Item No171 Supplying & crecting three phase,	1.00	Each	25010.00	24470.00	24470	24470	

	max load of 6kW, TPN MCB 40A,	a na ang ing ing ing ing ing ing ing ing ing i	in the second second second second second second second second second second second second second second second	· · · · · · · · · · · · · · · · · · ·	inagegy to find institute constants with training	Maria - Andrew State - Andrew	n y na maga na analatan an tata a sa
ĺ	powder coated CRCA 14 SWG sheet,			-			
4	outdoor type, having IP54,IK10			ga Ausenna			
	protection, suitable rating contactor, 24						
	hrs, astronomical time switch with				<u>9</u>		
	minimum 5 years battery back up,						
	auto/manual selector switch, ON/OFF					6	
	push buttons, indicator lamps, control	N				in gavin s	
	wiring, metering device, etc. for					A special second	
	automatic operation, with overcurrent,	-					
	shortcircuit, earth fault protection on provided iron frame / CC foundation.						
8.2	Item No172						n na sana an an an an an an an an an an an an
1.0.2	Supplying, crecting & marking SPMCB					1. B	
	6A to 32A, C-series with rated short -	450.00	T' a ala	190	83700.00	186	83700
	circuit breaking capacity (Icn) 10kA in	450.00	Each	190	83700.00	100	03700
	provided distribution board as per	4				a f	
	specification no. SW-SWR/MCB		un - tal and the description development		in the second second second second second second second second second second second second second second second	2 The first of the state of the	
18.3	Item No173				n na Z		
	Supplying, crecting & marking SPMCB			r.	ý		
	6A to 32A, B-series with rated short -	200.00	Each	190.00	37200.00	186	37200
5 - 1 <sup>-</sup>	circuit breaking capacity (Icn) 10kA in						
2.0	provided distribution board as per specification no. SW-SWR/MCB					<b>.</b> .	
10 /	Item No174	4 			, og mennene og menne og en en en en en en en en en en en en en		and a second second second second second second second second second second second second second second second
18.4	Item No174 Supplying, crecting & marking FPMCB				a 11 - 1	· ·	
	6A to 32A, with rated short - circuit	<b></b>	<b>r</b> 1	11/2 00	57000 00	1140	<i>27</i> 000
	breaking capacity (Icn) 10kA in	50.00	Each	1165.00	57000.00	1140	57000
	provided distribution board as per	·		1 ° a	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	a ser provide to the	
	specification no. SW-SWR/MCB			7		2017	narra ber parlandir i riar triffe arri
18.5	Item No175				5 B B B B B B B B B B B B B B B B B B B	8	
	Supplying, erecting and marking triple	ż			*		
	pole isolators only switch version of	5.00	Each	665.00	3255.00	651	3255
	miniature circuit breaker of 40A with	5100	,such				
	required wiring connections and lugs						
a	etc. in provided distribution board.	na amara anaka salah sa 40,0 m ata da mandari (1999).		an an an an an an an an an an an an an a			андар алар алар улаастар улаастар алар Ма -
18.6	Item No176					and the second second	
	Supplying, erecting and marking four pole isolators only switch version of	5.00	Each	805.00	3940.00	788	3940
	miniature circuit breakers of 63A in	5.00	Laon	000.00		22.2	
	provided distribution board.	Ŧ			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	1 1 1 1 1 1	
18.7	Item No177 Supplying, fixing and	agenticate in the strength	date construction construction and spec	a na par la pagente del 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en 1999 en	and the second second second second second second second second second second second second second second second	i a P + γ <sub>i</sub> γ	
* ***	commissioning MCB type change over			х.		A State State	
	switch 2 pole, 40 A with 3 positions (I-	100.00	Each	1790.00	175100.00	1751	175100
	O-II) with centre off position as per			-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	specification no. SWSWR/MCBCOS		a construction and a construction of the second	an an an an an an an an an an an an an a	$(p_{0}, r_{1}, p_{1}, p_{2}, p_{2}) \in \{r_{1}, \dots, r_{n}\} \otimes (r_{n}, h_{n}, h_{n}, h_{n}) \otimes (r_{n}) \otimes (r_{n})$		a an an an an an an an an an an an an an
18.8	Item No178						N
	Supplying & erecting triple pole and						
	neutral distribution board (TPNDB),	<i>i</i> .			4		
	SPMCB of 12 ways /phase (36 poles),	10.00	Each	5070.00	49600.00	4960	49600
-1 - 1.	with door, 1.2mm thickness surface/flush mounted, IP 43 Protection	10.00	Baon	2070.00			
· .	on iron/GI frame (horizontal busbar	ę	· ·		· ·	and the second	
	type) as per specification no. SW-	¢					
	SWR/MCBDB	2	and got and and and the former of the former	· •	No. 1997 - 1997	. ۲۰۰۰	
18.9	Item No179	a ana ang ang ang ang ang ang ang ang an					
	Providing & crecting 3 Pole MCCB	-		1	· · ·		
	415V, 250A, rated short-circuit					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	breaking capacity 36 kA (Ics=100% of	÷			1.15 N - 16 - 15		
	Icu) adjustable thermal (overload)				La produce		
	setting and adjustable magnetic setting	50.00	Each	15575.00	761950.00	15239	761950
	with provided leads, provision for installation of shunt/UV/trip alarm	50.00	.i.ach				
	contact and MCCB should have phase	5		t.	1	A AND A ALL	
	barriers both sides, with insulation				9		
	withstand capacity 800V, no line-load		1				
	bias in provided enclosure/panel as per						
	specification no. SW-SWR/MCCB	1 ; ; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	A STREET OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, ST			and a comparison of the state o	name and a second second second second second second second second second second second second second second se
19.0	Item No180						1,000,000
	Supplying, creeting & commissioning 4	50.00	Each	3215.00	157300.00	3146	157300
	pole RCCB 63A, electromagnetic type	Land State of the Constant and the State of		1			annen in the statement
	* *				n Meri i Sta		

		and a state of the second second second	an any taona amin'ny designadore ao amin'ny fanisa	www.execution.complementary.com/doil.com/article/	ge a sur cargo sur cargo dell'errender comenter en re	r Na na ser san san san kanaran seranga	and the state of the second second second second second second second second second second second second second
- ,, 1	with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB/RCCB	annan 1990 da nadida na sana sa kana sa kana sa na sa	<ul> <li>Second and the second se</li></ul>				
19.1	Item No181 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire faid in provided conduit/ trunking/ inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	250.00	Rınt	100	24500.00	988 998	24500
19.2	Item No182 Supplying, crecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. aluminium conductor complete crected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	1435.00	Rmt	235.00	330050.00	230	330050
19.3	Item No183 Supplying and creeting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	500.00	Rmt	45.00	22000.00	44	22000
[9.4	Item No184 Supplying and crecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places, as per specification No: WG-MA/BW	200.00	Rmt	70.00	13600.00	68	13600
19.5	Item No185 Supplying and crecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire faid in provided conduit /trunking /inside pole/Bus bars or any other places, as per specification No: WG- MA/BW	900.00	Rmt	100.00	88200.00	<b>98</b>	88200
19.6	Item No186 Supplying, crecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 95 sq. mm. aluminium conductor complete crected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/A	750.00	Rmt	730.00	535500.00	714	535500
19.7	Item No187 Supplying and creeting shockproof 3 pin plug soeket 6A with porcelain base / flush type creeted on filled polypropylene board or polished thick varnished double wooden block / folded or serewed board with top of either wooden / 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick laminate with S M screws and duly connected	200.00	Each	50.00	9800.00	49	9800
19.8	Item No188 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/ flush type erected on filled polypropylene (IS:14772-2000) board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick laminate with S M screws and duly connected.	50.00	Each	65.00	3200.00	64	3200

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19.9	Item No189 Supplying and erecting modular type	20.00	. Tash	116.00	2260.00	113	2260
	switch 16A duly erected on provided plate and box with wiring connections complete.	20.00	Each	110.00	2200.00	113	2200
20.0	Item No190 Supplying and crecting HMS PVC conduit FRLS grade 20 mm dia. With PVC accessories on wall / ceiling as per specification No: WG-MA/CON.	100.00	Rmt	90	8800.00	88	8800
20.1	Item No191 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	50.00	Each	635.00	31050.00	621	31050
20.2	Item No192 Point wiring in for light/fan/bell in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	200.00	Each	940.00	184000.00	920	184000
20.3	Item No193 Supplying and erecting energy saving ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF	2.00	Each	2635.00	5156.00	2578	5156
20.4	Item No194 Supplying and erecting condenser 2.5 micro farad for ceiling fan.	2.00	Each	75.00	146.00	73	146
20.5	Item No195 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch board	2.00	Each	295.00	578.00	289	578
20.6	Item No196		and a second second second second second second second second second second second second second second second			1	
984 - 2 1997 - 1 1997	Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on	2.00	Each	225.00	440.00	220	440
20.7	either side of the box and positioned to the bottom level of the slab. Item No197	ugana mananang ayar taman na panan katana mita Z	y y y y y y y y y y y y y y y y y y y		aguat or generation and a state of the state		er warde en die jedoch fan tit en mense tet
	Supplying and crecting 20mm dia. corrugated flexible polypropylene conduit	25.00	Rmt	18.00	450.00	18	450
20.8	Item No198 Supplying and crecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wire mesh, duly crected, complete.	2.00	Each	1740.00	3404.00	1702	3404
20.9	Item No199 Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink,	adaundalaping gayo nolah ingkong adau 24					
	integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	25.00	Each	690	16875.00	675	16875

and a second second second second second second second second second second second second second second second

21.0	Item No200 Supplying & crecting 10-12W, 230V integral type LED Lamp suitable for B- 22 / E-27 base.	5.00	Each	255.00	1245.00	249	1245
21.1	Itém No201 Supply, Installation, Testing and commissioning of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete. Specification no. EA-MOB1	25.00	Each	15185.00	371425.00	14857	371425
21.2	hem No202 Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR	1670.00	Rm	175.00	285570.00	171	285570
21.3	Item No203 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG-ODF/PTL	100.00	Each	2415.00	236300.00	2363	236300
21,4	Item No204 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear aerylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FGODF/PTL	60.00	Each	1835.00	107700.00	1795	107700
21.5	Item No205 Making cement concrete foundation including excavation (45 x 45x 120) em deep in 1:3:6 cement concrete, 20 to 25 mm stone metal, m(45 x 45 x 45) cm / 45 cm dia. x 45 cm height plinth duly plastered, with necessary curing and finishing complete.	273.00	Each	50.00	13377.00	49	13377
21.6	Item No206 40W/60W LED Decorative Tower Light with color Blue /ŴW /CW 7.5Mtr. with Include Pole/Bolt /Nut/Template with LED Driver	273.00	Each	62000.00	16560453.00	60661	16560453
21.7	Item No207 Supplying and creeting integrated LED flood light fitting Max. 30W IP65 & IK07 class having pressure die-cast aluminium nousing, having system lumens output of Min. 3000 Lumens, min. efficacy of 100 lumen/W. CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90: operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.	36.00	, Each	2910.00	102492.00	2847	102492
21.8	Item No208 Supplying and erecting integrated LED flood light fitting Max. 100W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 12000 Lumens,	15.00	Each	9070	133110.00	8874	133110

anan antigana ana			and a second sec				
	Supplying and crecting Gate/garden light fitting with 300mm dia. glass bowl	5.00	Each	1260.00	6165.00	1233	6165
22.3	flush with surface with2 Year warranty. Item No213				le In the second second second second second second second second second second second second second second second		alanahan talahasin salaman kutu menderi ke
	including driver by making necessary arrangement/recess in wall to make it		r.				
	230-270V, surge protection of 2.5 kV, Life class of 25,000 Hrs. at L70B50,					- a,	
	SDCM<5, p.f. >0.95, operating range of		-				
	lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%,	4.00	Each	4220.00	16516.00	4129	16516
	500 Lumens, min. efficacy of 100				1 a 4 1 . 1 .	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
1	IK10 rated Pressure die cast housing having system lumens output of Min.	1					
	foot/step light Max. 5W having IP67.					R	
22.2	Item No212 Supplying and erecting Concealed type	,					
	specification No FG-ODF/FLS2.	new order - on the state of the	a mang pinakikan panaki sa ka ca mana na papa ka si s	a a star i a star a star a star a star a star a star a star a star a star a star a star a star a star a star a	ennen en internet en internet en internet en internet en internet en internet en internet en internet en intern I	- 5 - 5 - 5	agent and a second of the state
	into surface with 2 Year warranty as per				š		
	tested for 500 Hrs. including making of recess of appropriate size for flushing						·
	1.50B50, including driver, salt spray						
	of 100-240V, i nbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at			-			
4 14 1	THD<10%, p.f. >0.90, operating range	6.00	Each	4475.00	26268.00	4378	26268
	500 Lumens, min. efficacy of 85 lumen/W, CRI>80, CCT upto 6500K,		2		an an an an an an an an an an an an an a		
	having system lumens output of Min.						
	round burial light 6W IP65 & IK10 class having pressure die-cast housing,						
	Supplying and erecting integrated LED						
22.1	ODF/FLS2. Item No211		opposition of the second second second second second second second second second second second second second se				antar - summarian international and
	warranty as per specification No FG-				e 1	en en en en en en en en en en en en en e	
	including driver complete with 2 Year				n an star an star An star an star An star		
	inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50,				. A.	4	
	>0.90, operating range of 140-240V,	d .			х <sup>1</sup>		
	min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f.	90.00	Each	00.00			00 / شدور سر
	lumens output of Min. 800 Lumens,	50.00	Each	5780.00	282750.00	5655	282750
	polycarbonate diffuser, having system						
	500mm 8W IP65 & IK10 class having extrusion aluminium housing with			·			
	Bollard Cylindrical /Cubical shaped					and a second second second second second second second second second second second second second second second	
62.0	Supplying and crecting integrated LED					4	
22.0	clips complete with 3 years warranty. Item No210	analan ne na anala ini ini ini ne ne na ana ana ana	n. Ny fivo analos ny fivo alay amin'ny fi	ana mana mangangan ang kana ang kana ang kana ang kana ang kana ang kana ang kana ang kana ang kana ang kana an	anna an ann an an an an an ann an ann an a	na na shekara na sheka	
	surface type or spring loaded mounting	4		, ., l			
	mounting arrangement with board for						
	2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having	4					
	range of 120-270V, surge protection of				<i>*</i>		
	Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating					- 	
	lumen/W, CRI>80, CCT upto 6500K,	15.00	Each	2145.00	31485.00	2099	31485
	2750 Lumens, min. efficacy of 110						
	aluminium housing, polystyrene diffuser having system lumens output of Min.				·		
	Light having pressure die-cast aluminium housing, polystyrene diffuser				N	r r s	
	circular Max. 25 W down lighter/ Panel			,			
a1,9 ·	Supplying and crecting LED square /				-	1	
21.9	specification No FG-ODF/FLS2. Item No209	ananan anana a sa ta mangadan sa sa 1930 a	in a star star a second a second	f	n alde dael web no to see the to see 1500 where we we	normanisti orazon anterestatio e comenzatione e comenzatione e comenzatione e comenzatione e comenzatione e com	an e contra contra con e contra
٠ <u>ψ</u>	with 3 Years warranty as per					*	
	class of 50,000 Hrs. at L70B50, including driver with U shaped bracket		1			1	
and the second second	inbuilt surge protection of 4 kV, Life						
1	>0.90, operating range of 140-270V,	1			1	1	

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	suitable for upto 12W LED Lamp on	ajoren et posteller och deler at stre	an again an	g name optimistic op på med at støret skalet. Er om er er	nality in the second seco	a an a' an a' an ang ang ang ang ang ang ang ang ang	- An opposition to car as the constraint form the form (
	provided pipe as per specification No.						
	FGODF/ GLT						
22,4	Item No214	- Photos (1)	galayeri (. Karigey) (. Karigey)	a papagagagan ananya panantika a 1969° a	en el circo de la companya en la companya de la companya	aljongo qiano ng mpono na manaka na polokishi Misan na	te Ministere e de Merri e décidi en la Constant de Constante e la Constante e la Constante e la Constante e la C
dia dig i 🔭	Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR	370.00	Rmf	175.00	63270.00	171	63270
22.5	Item No215	nananan karapan nya shinid sahari dalamida ta'n	ang tan kana ang tan sa tan tan tan tan tan tan tan tan tan ta	a ang panganan karan mang Jandilan Supah BCC (And Shar)	an an an the angle of the second decision of the single second second second second second second second second	en di nagginagina pana ara mangina perendukan kana pana seri ang	gilanagan panganan kana selaran peneru tahun peneru tahun peneru tahun peneru tahun peneru tahun peneru tahun p
	Supplying & crecting FRP box of size 150mm x 125mm x 100 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	273.00	Each	545.00	145509.00	533	145509
22.6	Item No216 Supplying & crecting crimping type copper lugs for cable up to 16 sq mm complete as per specification No. CB- CL/CU	200.00	Each	25.00	4800.00	24	4800
22.7	Item No217	an an an an an an an an an an an an an a	an galanta a sa ana ang manganan ma	a de la presi e una sala que sera en entre altres a destra e	and states a fight of a state of the state o	aran a san sa mananaran kara	and familier and a constraint of the
- ,	Providing carthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	489.00	Each	5185	2480697.00	5073	2480697
22.8	Item No218	namen agant say napasan der berennetet in interföre	a tanàn amin'ny sora-paositra dia 714	$\sigma$ -photocological statements of the statement of $\sigma_{\rm c} \sim 1$	(v - 1) - NE- 2 standard Scalad Articular - 200 (000 area	and a static state of the second state of the second states and the second states of the second states of the second states and the second states of the sec	e generation and a second consequence of the second s
	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per	273,00	Each	1650.00	440622.00	1614	440622
	specification no. EA-EP						· · · · · · · · · · · · · · · · · · · ·
22.9	Item No219 Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars, 500V, 100A having 15mm (Width) X 3 mm (Thickness), with 99.9 % aluminium purity as per	and give and the second second second second second second second second second second second second second se	nan (a ret y, ), anne, a retro, d'an (a retro). I anne i anne y i anne i anne i anne i anne i anne i anne i anne i anne i anne i anne i anne i anne i anne i anne	ο στροιος το αλληθούσται ποι ποι που το δ. Α. Α. Α. 			
	E91E Grade & Current Density 0.8 A per sq. mm. compliance to 1S 5082 and Enclosure fabricated with 16 SWG CRCA sheet and epoxy paint, with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per	10.00	Each	6480,00	63400.00	6340	63400
22.0	specification no. CPBB	tearresistent darmatical, - (riterat series	needel and a second state of the second state of	- 	a de contra e la contra de la	n de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la comp La companya de la comp	) Aphanethyleithenen mennyl is seerattelige at ming stadentis, med t a
23.0	Item No220 Supplying & erecting Minimum three &						
	above star rated Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1.5 kW/2 HP with discharge 600/140 Litres per Minute (LPM) for head of 8/22 m & 50mm	5.00	Each	16300.00	79740.00	15948	79740
	suction/ 50 mm delivery pipe on provided C.C. foundation as perspecification No. WP-CGP Item No221	t Mansilahaaningo ngo dinoo nig to's namana ti	an milji han sejit shirka sa ni ingaya Sabe	niamatodeleterarm@imata100p.statics@imata2	an an an the term of the term of the terms of terms of t	a maaanaata ku maara waxaa ku maaana ku ku ku ku ku ku ku ku ku ku ku ku ku	n Samananan da samanan ara ar ang ar ar ar ar ar ar ar ar ar ar ar ar ar
23.1	Supplying & erecting minimum three & above star rated Centrifugal water pump (Monoblock), 415 V, three phase 50		A			с	
	eycles A.C. supply of 7.5 KW/10 HP with discharge 1150/600 Litres per Minute (LPM) for head of 24/69 m and 65 mm suction/ 50 mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	2.00	Each	50000.00	97840.00	48920	97840
23.2	Item No222 Supplying & erecting automatic control panel for 3 Phase, 415 volt, A.C,	7.00	Each	6670.00	45682.00	6526	45682

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	Submersible/centrifugal pump set up to 7.5 HP consisting of DOL starter having relay range 9-14 AMP,S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc.					×	
23.3	Item No223 Supplying & erecting D.O.I. Starter suitable for 250 V, Single phase 50 cycles with overload element with necessary materials and connected to supply up to 3 H.P.	5.00	Each	1280.00	6260.00	1252	6260
23.4	Item No224 Supplying & erecting D.O.L Starter suitable for 415 V, 3 phase 50 cycles with no volt coil and overload element with necessary materials and connected to supply for 10 H.P.	2.00	Each	3260.00	6380.00	3190	6380
23.5	Item No225 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	10.00	Each	6760.00	66140.00	66,14	66140
23.6	Item No226 Supplying and erecting 100 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	6.00	Each	9065	53214.00	8869	53214
23.7	Item No227 Supplying and crecting static energy meter with 240V 50 Hz. AC supply 10 to 60 A. ISI mark, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh, V,LPF, frequency, kW, kVA, six months history of Energy & MD in kW & kVA ) with transparent hinge type box complete crected on polished teak wood board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	10.00	Each	3260.00	31900.00	3190	31900
23.8	Item No228 Supplying and crecting static energy Trivector meter 440 V 50 Hz. 20- 100A ISI mark meter AC 3 phase 4 wires LCD/LED display (Measuring and display Trivector, V, I, kW, PF, Hz, Last month history of kWh & MD in kW) with special features like TOD, Tamper logging, Optical Communication Port & Display in absence of Power complete crected on polished teak woods board duly wired with required size of weather proof PVC wires duly tested for class 1.0 accuracy by electric supply company.	5.00	Each	9065.00	44345.00	8869	44345
23.9	Item No229 Supplying and erecting minimum Three & above star rated submersible pump set suitable for erection on open well of 5.625 KW/7.5 HP with 415 V 50 c/s. A.C. supply, having delivery head from 57 to 22 m and discharge from 120 to 900 litres per minute & pipe of	5.00	Each	41520.00	203115.00	40623	203115

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	diameter crected with necessary H type	anna an an an an an an an an an an an an	al and a second a second secon	a proper to company representation and distances a com-	<ul> <li>a model frame (frame) (fr</li></ul>	n a construction and the construction of the c	gebenderer settingen eine meder die eine	
	clamps as per specification No. WP-							ny Josef Company
24.0	OSP Item No230					n a ann an annsan an		
	Supplying, installing, testing and commissioning of 5 kWp OFF-GRID							and the second second
	solar power pack with interconnecting			and the second se				
	wires / cables up to 24V pure sine wave solar power inverter (THD<3%), SPV							
	Modules (335 WP X 15 Nos.), C-10							and the second se
	rated lead acid battery bank 24V, 300Ah x 4 nos, (12V, 300 Ah x 8 nos) suitable						and the second second second second second second second second second second second second second second second	and the second second second second second second second second second second second second second second second
	for 4 Hours backup with suitable MS powder coaled stand to hold battery				2014/00/00	10/000	701 ( 100	
	bank and keeping sufficient space for	8.00	Each	410670.00	3214400.00	401800	3214400	
	filling distilled water, canopy box to house inverter and other electronics,							a second
	wiring up to solar inverter in casing and capping, display board, sign board, two							
	distinct earthing, spike type lightning							
	arrester, necessary accessories complete with 5 years ON-SITE warranty and		ě			÷		
	fully comprehensive maintenance contract as per specification no. ESD-							1. 1 <sup>9</sup> 1. 10
العريور والمحاور يعار	RT-OFG	- a state an other - state when the other - the states to - the -			aggineran anan Asonan Asonabilit gang arang	in the second se	al de la compaña por la compaña de la compaña de la compaña de la compaña de la compaña de la compaña de la com	
24.1	Item No231 Supplying and erecting three phase 10							or and the second distance of the second dist
	to 60 Å net meter DLMS compliance of accuracy class 1.0, 3 x 240V, 50 Hz,					1. A.A.		
	with backfit LCD display, optical port					· · · · · ·		
	and RJ 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh,	8.00	Each	12350.00	96664.00	12083	96664	Comments Streements
	kVAh, V. I. kW, 6 months history of							
	energy) with wiring connections and mounting hardware on provided panels							and the second second
	complete with calibration certificate from							
~ 1 ~	manalacturer.			Commencement of the State of the State	a a tara di seconda da seconda da seconda de seconda de seconda de seconda de seconda de seconda de seconda de	a a construction of the second s	talangi ta sa matalari sa sa matalari s	
24.2	ftem No232 S.I.T.C. of LIGHT 851, Waitage 30W-				i			a de la construction de la
	40W Power Module LED,3000k.Upright					δ <sub>1</sub>		
	Light 851:it's upper square frame in		4					
	single piece made of die cast aluminum using pressure die-easting process, with				and Article			and the state of the state of the state of the state of the state of the state of the state of the state of the
	a decorative element which is also made of die cast-aluminium using pressure						с	
	die-casting process, fixed on the top. Auxiliary and optical compartment can				.*			
	be accessed by tilting the top				- * 		<i></i>	
	frame.Bottom frame with Company Abrand name engraved in the mold, in							
	single piece, made of die cast aluminum							
	using pressure die-casting process with a four-armed bracket with flange, which	13.00	Each	16500.00	209872.00	16144	209872	an constant
	is also made of die cast aluminum using pressure die-casting process, fixed at the					de l'orden veneral de la constante de la		
	bottom. Frosted Screen made of polymethylmethacrylate (PMMA)							
	molded in a single piece using Injection							
	molding process. Screen's Impact resistance: IK06. Pure polyester powder			ve de signa della del	1 	2 · · ·	5	anisis a disawa manangis
	coating in Standard Grey Colour. IP			. ,	6.		ž.	-
	Rating - IP 66. Power LED Module with Company					4	1. 	unana ana ang ina ang i
	/brand name printed on PCB with the metal core plate.LED Chips of						Υ. Υ	
	CREE/NICHIA/OSRAM/LUMILEDS							
	make - same should be supported by LED manufacturer's tech sheet. Colour							
	Rendering Index: Ra > 70. Electronic	energia datati tatu neegee ate	L	Service and a service of the service			e, dan da mana makanda mara a na mara ya minang ana min	

			1. A				·	ne se super a de contratione part et la contration d'étaile
	na George Angeler	Power Supply for LED Module, which	a national and the conjust constraint and a second	gang pang na na ng mga ng ming pang pang na na na na na na na na na na na na na	and the second second second second second second second second second second second second second second second			
		offers Protection against Short Circuit,						
1990 - L		Over- Voltage & Over- Current, with						
*		in-built surge protection (an additional						
an an an an an an an an an an an an an a		m-built surge protection (an automation						
		surge protection device of 10kV also			1. A.	a shara da ba		
		provided in-built the fixture). Optics						
		with refractive lens in PMMA/PC . LED						
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		Lifetime >1,00,000hours@Ts 85°C.		N.	1			
		LM80 report from LED Manufacturer						
		should be submitted. The Light fixture					(M)	
· /		shall be in compliance with IEC 60598-				ى ئ		
		2-3; IEC 60598-1 (Supporting Test				100 - 11 - 10 - 10 1	- N.J.	
		Report from UL/UL Authorised/Intertek	Υ			4. · ·	at a second	
		Laboratory should be submitted) .LM79					1.1.1	
		report also should be submitted from					Y	
		UL/UL Authorised/Intertek				a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a ser a s		
		Laboratory.Sample should be submitted	1. A.		A State of the	· 4	A STATE OF	
		for approval from concerned engineer-in				. 4		
		charge.				a de la composición de la composición de la composición de la composición de la composición de la composición de	· .	
1	24.3	Item No233	eldensiderinana waterenanye in mananee'd	n Shan a' Maran Baddar Baddar Baddar (1997) an Badar a' A	17 g		a ang an an an an an an an an an an an an an	
	24.5	S.I.T.C. of 3M HEIGHT				and the second second		r.
		ARCHITECTURAL POST TOP				· .		
	1	POLE3M height Pole made of complete.			B	. * <sup>85</sup>		
		FOLDSM neight role made of complete			and the second second			· · · ·
	1	cast iron decorative components where				a synamical and	1.2.3.4	
i and i		the internal fabricated pole of 3M is				a set a se		
· · · · · · · · · · · · · · · · · · ·	-	made in combination of mild steel pipe						
		sections of suitable size covered on the					بالمحرية الأربة	
		outside by decorative cast iron base and			2 X .			
A second		columns.Decorative Cast iron Base in	à.					
		the cast iron mould, height again				Service of the servic		
		followed by a ring dia 210mm and	ė.					
		gradual tapering upto a dia 92mm as	1					
· · · ·		approved by the econemed Engineer the						
		total height of decorative cast iron base						
		is 700mm and weight-32kgs.	1					
		Decorative cast iron base should be	1					
		provided with a flush door of length						
		228mm, width 124mm and height	n an		е 1.	8 g - 17	ы.» к К.т. <sup>3</sup>	
	1	30mm. Decorative cast iron flower					4 (A. (1) - N 2 (1, 194)	
		starting with a dia 102 mm increasing					Contraction of the second	
		gradually to 160mm and then tapering				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<ul> <li>Section of the sector</li> </ul>	
		to a dia 99mm. Total height of cast iron	ž.					
		flower is 304 mm & weight is 6.3kgs					a the second second second second second second second second second second second second second second second	
	1					1		
	1	Decorative cast iron column(2nos.) is of	4	-		No. 1	The part we	
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous	13.00'	Each	16500.00	209872.00	16144	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of	13.00'	Each	16500.00	209872.00	16144	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each	13.00'	Each	16500.00	209872.00	16144	209872
and the second se	Con a financia de la constancia de la const	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs, Decorative Cast iron top	13.00'	Each	16500.00	209872.00	<b>16144</b>	209872
<ul> <li>Bally and the second secon second second sec</li></ul>	i de la contra de la contra de la contra de la contra de la contra de la contra de la contra de la contra de l	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs, Decorative Cast iron top	13.00'	Each	16500.00	209872.00	16144	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each	13.00'	Each	16500.00	209872.00	16144	209872
	lan ad management of the second second second second second second second second second second second second s	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia	13.00' *	Each	16500.00	209872.00	<b>16144</b>	209872
	lan di na mpangana m	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then	13.00'	Each	16500.00	209872.00	<b>16144</b>	209872
	dan di ang mang mang mang mang mang mang mang	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should	13.00'	Each	16500.00	209872.00	16144	209872
	dan di mana mana ang dan ang tan mang tan mana na mana mana na mang tan mang tan mang tan mang tan mang tan man	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs, Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total	13.00'	Each	16500.00	209872.00	16144	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm -	13.00'	Each	16500.00	209872.00	16144	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight	13.00'	Each	16500.00	209872.00	16144 16144 1010000000000000000000000000	209872
	an dalaman ing ang ang ang ang ang ang ang ang ang a	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5%	13.00' *	Each	16500.00	209872.00	16144 16134 16134 16134 1713 1713 1713 1713 1713 1713 1713 1	209872
	on datu na mana mana kana kana na mana mana man	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5%	13.00' *	Each	16500.00	209872.00	16144 A	209872
	on daar oo oo oo oo oo oo oo oo oo oo oo oo oo	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved	13.00'	Each	16500.00	209872.00	16144 16144 116144	209872
	di factorizzato e conservato de la conservato de la conservato de la conservato de la conservato de la conserva 1956	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The	13.00'	Each	16500.00	209872.00	16144 A A A A A A A A A A A A A	209872
	an an an air ghalan a' ghalan a' ghalan an ann an ann an ann an ann an ann an a	Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt	13.00'		16500.00	209872.00	16144 A	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and	13.00'	Each	16500.00	209872.00	16144 A	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt	13.00'		16500.00	209872.00	16144 A	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable	13.00'	Each	16500.00	209872.00	16144 A	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided			16500.00	209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This		Each		209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with		Each		209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be		Each		209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the		Each		209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation.		Each		209872.00		209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should		Each			16144 × 161	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation.		Each		209872.00	16144 5 5 5 5 5 5 5 5 5 5 5 5 5	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should		Each		209872.00	16144 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	209872
		Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of cach pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with 4/5% tolerance. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should		Each		209872.00		

Station .

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	adhesion of 3layer coating so as to avoid	and a sector of the sector of	P - Los - Los précisiones de la companya de 200 1	n an	- Marine Contract Contract Contract Contract (Special System) (1995), 2014	- And the second s		
	the corrosion, wind pressure calculation		- · · ·					e com
	as per IS 875(part-3) & structural		1					Î
1	calculation report as per EN40 should		2 2 2				i.	a constanting of the second
1	be submitted to verify the pole design.							
	Only cast iron parts outside are PU							
	painted in 3 layer coating(coating							
1	thickness-100 microns minimum) in							-
	which 1st layer with etch primer, 2nd							1
	layer with epoxy primer & 3rd final			-				
	layer with PU paint.				1			
24.4	Item No234	and a state of the second	and produced at the last party in the	n gyr dae an nawalandau dailertada e data a sey e et er	lan kan saya saya ya giyoyo kuta akina shiftin kati yakina	en en en en en en en en en en en en en e	and the second	
2.1.1	S.I.T.C. of Spot Light, NSL-10S .							
	LED,9-11W,LED, 3000k,IP 66						ġ.	
London - and	Body made of Aluminium and finished							
	with pure polyester powder coating in							
	grey colour. Screen in flat tempered							
	glass. Dimension-65mm(Dia.)							
	minimumx220mm(L)	47.00	Each	9900.00	455242.00	9686	455242	1
-	minimum, Weight-0, 7kgs minimum.				-		1 1	1.
	Electronic Driver which offers							
	Protection against Short Circuit. Over-	-				the state of the		ang the second
	Voltage & Over- Current, IP 66							1
	protection, voltage input AC240V.					- 1.A.		, I.,
	Estimated Lifetime-L70 @ 50,000hours					1 1 A 1		
	minimum.	and the second	and the second sec	a an airtean an	the contract statement and the second	La campana ang ang ang ang ang ang ang ang ang	j. Souppost on the second second second second second second second second second second second second second second	in a second
24.5	Item No235		,	с , 1				
- Andrewski - Andrewski - Andrewski - Andrewski - Andrewski - Andrewski - Andrewski - Andrewski - Andrewski - A	S.LT.C. of NCL-02S-Ceiling Light, 10-					·		-
	15W, LED, 3000k, IP 65					1.2.4	8	- Alexandre
	Body made of aluminium & screen in			raanse of the second seco	a se se se se se	5 10		
and the second se	tempered glass (IK 08). Pure Polyester				and the second	1		and the second second second second second second second second second second second second second second second
	powder coating in RAL 9005 Matt.			<i>i</i>	4 - 15 1 - 19			-
	Electronic Driver which offers				1 A			
	Protection against Short Circuit, Over-				r -			di secondo di secondo di secondo di secondo di secondo di secondo di secondo di secondo di secondo di secondo d
	Voltage & Over- Current, Dimension- 126mm (Dia.) x 138mm(H), Weight-	17.00	Each	16890	280925.00	16525	280925	1
	L2kg. Estimated Lifetime-L70 @		-		1 · · · ·			Î
	50,000 hours minimum. LM80 report	-				1.2.5 ×		an (jereze
adopt-one adopt-	from LED Manufacturer should be	1						ł
	submitted. Sample should be submitted	Aver Head and J			1. 1. 1. 1. 1.			
	for approval from concerned engineer-in							
	charge. Sample should be submitted for		4					
-	approval from from Architect/ engineer-							1
-	in-charg				i i i i i i i i i i i i i i i i i i i	an an an an an an an an an an an an an a		
24.6	Item No236		and the deside one product of the second sec		<ul> <li>South at a series of graph to return a standard or sharp graph of the set of the set of graph to return a standard or sharp graph of the set of the set of the set</li></ul>	a a segura da anti-frenza como de la como de la deservación de la como de la como de la como de la como de la c	a la mandra granda de la companya d	A
	S.I.T.C. of MELIA-ILLUMINATED							
	BOLLARD-10W-15W,LED, 3000KThe					e e e e e e e e e e e e e e e e e e e		
	Bollard suitable for on ground					×.	- L.	
	installation. It is made in combination of		i i	D		-		
	Steel pipe of 127mm dia. & decorative							
	east iron elements After Fabrication,		1					
	Entire bollard should be shot blasted for				-			
a restruction of	the effective adhesion of 3 layer coating				1. 	~ 1		1
	so as to avoid the corrosion.Decorative							
	base with company name/logo engraved					1		
	- it's design starting with 178mm dia.							
1. A.	continues for a height of 30mm,than	100.00	1 to al.	12220.00	1205400.00	12054	1905-100	
	gradually tapering to 150mm, for a	100.00	Each	12320.00	1205400.00	12054	1205400	
and a second from	height of 60mm, ends. with ring of 165dia, and 20mm height, total height				99 y			
an and a	of the base is 140 mm & Weight is					h		
n de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de l	3Kgs. and top sphere shaped decorative				a transformer en el composition en el composition de la composition de la composition de la composition de la c			
	element design starting with a ring of					4		
a manafer a constant de la constant	150mm dia. and 18mm height, followed		l			2		
	by a section of 130mm dia,then	1	Marco Com		A second	3		
	gradually tapering to 70mm dia. for a				lander of the second seco		h	
	height 17mm,followed by a ring of	Į					1	
	87mm dia.,17mm height and ends with	1) contraction of the second se	-		an ere voor de			
	a sphere section of 125m dia. total	watchese and the second second second second second second second second second second second second second se	La contra de la contra de					
	height is 170mm - Weight is 3Kgs.All	- Hereiter - Star				-		a constant
50715.001	cast iron parts weight mentioned are							
		American Contraction of the American State of the State of the	contraction and second contraction of the property from	strength in the second second second data with the second se				

y popur na managan a shaqobhan ngan	with +/- 5% tolerance. LED source is made of Silicon material-Much more flexible,Efficient heat dissipation,Perfect resealing with silicone glue. Mounting channel made						
	of aluminium. Diffused Screen in Acrylic, LED-source Efficacy>90lm/W,SMD LED,yellow glue 3M,120 degree beam angle,		an an		n an Araba An Araba An Araba An Araba		
	Voltage DC 24V. It also includes Externl common Electronic Power Supply(Meanwell /Equivalent) ,which				an an an an an an an an an an an an an a		
	offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection.Flnish- Pure Polyester Powder Coating in customised colour Metallaic Grey. IP Rating - IP			ŕ	an an an an an an an an an an an an an a		
	54.Height – 1000mm, Dia - 127mm.				i pi		Autoregy, many gramma and a start start start of many starts
24.7	Item No237 S.I.T.C. of Underwater Spot Light, NHL-145, LED, 8-10W, LED, 3000k,				¢		
	IP 68, External common power supply NHL-145: The housing in circular shape is completely made of high strength			· · · · · ·			
	stainless steel(304grade minimum). Protection screen in clear tempered glass with high impact resistance. Precise structure and multi-protection			3		a marina yana yana yana yana yana yana yana y	
	silicon rubber seal ensures the Ingress Protection-IP 68. Dimension-Dia:-145mm,Height-	e N			1	n an an A Sagaran I. A Sagaran I.	
	180mm, Weight - 1.2Kgs. Power LED Module with high efficacy EED's(Cree/Osram/Nichia/Lumileds),	2.00	Each	21960.00	42972.00	21486	42972
	on Printed Circuit Board with metal		1		i de la companya de l		4 
	core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with	2 -	- -			n grandina Ngragonina Ngragonina Ngradon	
	in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is L70-		-		and the second sec	<ul> <li>A second s</li></ul>	
a de la constante de la constante de la constante de la constante de la constante de la constante de la constan	50,000 hours minimum.LM80 report from LED Manufacturer should be submitted. Minimum Light fixture	ί.	-		and the second sec	1999 - 1993 1993 - Alf Alf Bolo 1993 - 1986 - 1997 1986 - 1986 - 1997	
	Lumen output is 700Lumens. Sample Should be submitted for concerned engineer incharge for approval of light						
24.8	fixture. Item No238 S.I.T.C. of NGB-6-1-Ground Buried			a an a second a second of second second second second second second second second second second second second s	A new particular and a second s	4 4 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	
	Uplight, 1-2W, LED, 3000k, IP 67Body made of Die cast aluminium using pressure die casting process. Top Cover		-		and and a second second second second second second second second second second second second second second se		
	in Stainless steel & screen in tempered glass (IK 08). Burying barrel in ABS.External Electronic Driver which		2.				
	offers Protection against Short Circuit, Over- Voltage & Over- Current. Dimension-35 (Dia.) x38mm(H),	12.00	Each	16280.00	191136.00	15928	191136
nta Anglista Anglista ∳	Weight-0.1kg, Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report	4					
	from LED Manufacturer should be submitted. Sample should be submitted for approval from concerned engineer-in		м. М		yde De la la la la la la la la la la la la la		
	charge. Sample should be submitted for approval from from Architect/ engineer-		NOT ANY OLD THE STATE OF THE ST	4° -			

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							4
24.0	L Louis N1-220	and continues ( Config. ( ) and a set of the	t part mystik och och och och till territor	ap administrative and a second second second	ny adamatikana - ana aktivana - amin'aktivana	a interaction and the second second second second second second second second second second second second second	i pagaan iyo Aradiinda eeli mitade Medato i W
24.9	Item No239 S.I.T.C. of 1 Mtr. Length of 48V Track	3000.00	Each	8140.00	23892000.00	7964	23892000
	for track light with connectors	3000.00	naon	0140.00	23892000.00	POXV	20072000
250	(L& Tshape connectors) Item No240	enggelagelander opgeneter der der ersteralte aus	martines a technologic technologic statistic		, we consider the set of the set		ang Salasya sang manana ara dang sa Ng Salasya sang sang manana ara dang sa
25.0	Making M- 20 grade reinforced cement						
	concrete foundation by considering the						
	safe soil bearing capacity at site as 10 T/sq.m at 1.5 m depth including supply					-	
	of steel, concrete, excavation and fixing	154.00	Each	4100.00	617694.00	4011	617694
	provided nut bolts with the help						
	oftemplate. duly plastered as per design complete (for 6m to 8m high octagonal						
	/conical GI pole).					- -	
25.1	Item No241	annan adams, in sin safada ang anan in a si	en ananga mer social sanis photos		e An an		
	Providing & crecting 7 m high (clear height) galvanised octagonal pole with						
	foundation bolts having bottom of 130	154.00	Each	18800.00	2832676.00	18394	2832676
	mm $A/\Gamma$ , top 70 mm $A/F$ on provided						
	foundation as per specification no. OH- PL/OPL					· . · · · · · · · · · · · · · · · · · ·	
25.2	Item No242		en proposal antipade - en o destructor en alta ca	a stransporter a constant with a transport	name ganggan synaton an dir dan menya indi yana kata mila 199 1	n a Canan an an ann an an an an an ar daolar dhall ar dhallachail a	2 10 10 10 10 10 10 10 10 10 10 10 10 10
	Supplying and creeting integrated LED						
	street light fitting 120W IP65 & IK08 class having single piece pressure die-			2			
	cast aluminium housing, having system					· · · / •	
	lumens output of Min. 13000 Lumens, min. efficacy of 110 lumen/W. CRI>70,	154.00	Each	10780.00	1624238.00	10547	1624238
	CCT upto 6500K,THD<10%, p.f. >0.95,	1.7.00	i.nou	10700.00	0001200.00	A 12.5777	102-1200
	operating range of 140-270V. inbuilt						
	surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including driver				a trap		
	complete with 3 Years warranty as per						
25.3	specification No FG-ODF/FLS2 Item No243		and another their manufactures	e generaligen og nyagan av datarekter i med i "d	an an an an an an an an an an an an an a	na maana mahani mila a arekatiki	t 1997 - Santa Santa Santa 1997 - Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa S
<i>6.</i> ,,,,	Providing and laying in situ M40						
	controlled cement concrete of trap/						
	granite/ quartzite/ gneiss metal for PSC work in main/ cross girders, diaphrams						) 
	etc. including tamming, vibrating,						
	curing, formwork, centering and				- 		
	finishing in cement plaster excluding reinforcement etc. complete. (with	2483.76	Cum	12500.00	30376384.80	12230	30376384
	fully automatic micro processor based	prouto	5- <b>5</b> - 5- 5				
	PLC with SCADA enabled concrete batch mix plant / pan mixer with natural					· · · ·	an an an an an an an an an an an an an a
	sand) i) Height up to 5 m, normal rate.ii)						1 1.
	Height 5 to 7.50 m, add 5 percent extra.					, 2	2 2
	iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10						
	percent extra for every 2.50m rise.		name parties as the company of the C. States				
25.4	Item No244 Providing & Supplying of FRP						
	sculpture of various art piece including			÷			· *
	creative envolment of creative artist as						
	per theme as instructed by Engineer-In- Charge/architect. The model to be done		Per	-			
	in following stages clay work.pop	90.00	Square Meter	29450	2593260.00	28814	2593260
	moulding 4 to 5mm fibre casting with		Indici				
	steel reinforcement from inside. Griding finishing and colouring with apporpraite						
	colours .Transportation to site and		International Contraction				
25.5	installation Item No245	en ventrolier 6 olivationis del cos i locar	A character of deal characterized in a		a na na na stati na stati na stati na stati na stati na stati na stati na stati na stati na stati na stati na s	ana ana ana ang ang ang ang ang ang ang	Series constants more an area de conjector
20.0	Providing & Supplying of Metal		- An a state of the state of the state of the state of the state of the state of the state of the state of the				
	sculpture of various art piece including		Per				
	creative envolment of creative artist as per theme as instructed by Engineer-In-	30.00	Square	78550.00	2305590.00	76853	2305590
	Charge/architect .The model to be done		Meter			a na mana an an an an an an an an an an an an	
	in following stages clay work,pop						
	moulding 4 to 5mm metal casting with		1	1		1	

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	steel reinforcement from inside. Griding						
	finishing and colouring with apporpraite						
	colours .Transportation to site and						
	installation						ann an an air an an an an an an an an an an an an an
25.6	Itém No246	and a second sec	-				
20.0	Designing, Providing & Installation of		]			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Sculpture . The material for this				· · · ·		
81 (A. 1997)	sculpture is Fibre/FRP. The Height of	1				1. A 1.	
	the Sculpture should be minimum 3.5m,					5 - A	
	Size of the sculpture shall be in		l				
	proportionate to the height of the				2.8		
	sculpture. Thickness of FRP material				1. A.		
	scupture. Thickness of FKP material						
	should be 5-10mm. Including all cost of						
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	design. Making models (if any), making	~	ļ				
	sculpture, inspection charges,						
	Transportation, Fixing at site,	1.00	Each	1173000.00	1147663.00	1147663	1147663
	Construction of Foundation in RCC-	1.00	Each	1173000.00	1147003.00	1147005	1147005
	M20 Grade Concrete including				- -		
	Reinforcement (TMT/FE 500), Pedestal						
	including all material required for fixing						
	the sculpture, coating the pedestal with			· · ·			
	Coaltar Epoxy Coating, all Filling					· · · · · ·	
	material upto the base of Sculpture,						
	polishing and painting of the sculpture,			Í			
	as directed by Engineer in Charge.						
	(Variation in size off sculpture shall be						
	+-10% in Length, Width and Height					1 2 A.	
	shall be permitted.) Inclusive all						
and the second se	taxesExcluding of GST .etc. Complete.		and the state of t		and the second	and a state of the	
25.7	Item No247	*				Sec. 4	
	Designing, Providing & Installation of						
1	Sculpture of . The material for this						
	sculpture is Metal . The Height of the					· · · ·	5
and its	Sculpture should be minimum 3m, Size						и.
	of the sculpture shall be in proportionate			2.2		5 A. 6	
	to the height of the sculpture. Thickness						
	of FRP material should be 5-10mm.						
	Including all cost of design, Making					a 25 T B	
	models (if any), making sculpture,					8 - * ·	-
	inspection charges, Transportation,	4				A King and And	
	Fixing at site, Construction of					Contraction (Contraction)	
	Foundation in RCC- M20 Grade	2.00	Each	1322500.00	2587868.00	1293934	2587868
	Concrete including Reinforcement	2.00	, Linen		1	Rect No.	
	(TMT/FE 500), Pedestal including all				*** .	in the second	
	material required for fixing the				A set of	Sector Advances	
			ł			a share to be	
	sculpture, coating the pedestal with		1	•.	5	1 - 618 g 1 -	
	Goaltar Epoxy Coating, all Filling	,				1. A.S. 184	
si in all' si i	material upto the base of Sculpture.					. 1	
l	polishing and painting of the sculpture,			-		· · · ·	
	as directed by Engineer in Charge.						
au	(Variation in size off sculpture shall be	2				i y so	
	+-10% in Length, Width and Height				×	· · · · · · · · · · · · · · · · · · ·	-
	shall be permitted.) Inclusive all taxes				. 4		
	Excluding of GST .etc. Complete.	antala - reasonada antala antara manda da Adar			alinenen eranan analara analaria anan		n ann de nader annan a' a' a' a' a' a' a' a' a' a' a' a' a'
25.8	Item No248					Contractor State	
	Designing, Providing & Installation of	1	1	1			
		1				1	1
	Sculpture of The material for this						
	sculpture is Fibre/FRP. The Length of				an an the second second second second second second second second second second second second second second se		
and a second second second second second second second second second second second second second second second	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m,				й		
nem en relevant parte parte	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in						
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the	± ,					
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material	۵.			1010772-00		1017773
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges,	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site,	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC-	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including	2.00	Each	977500.00	1912772.00	956386	1912772
e	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772
	sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing	2.00	Each	977500.00	1912772.00	956386	1912772

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an a sa a was	<ul> <li>In the second s second second sec second second sec</li></ul>	ynaether a de la reference e Malace I			The latter of the second second second	kanan tahun mata di pambasikan	and the second s	
	Coaltar Epoxy Coating, all Filling material upto the base of Sculpture,			1				ar therefore up
	polishing and painting of the sculpture.					* .		
	as directed by Engineer in Charge.					3		di se
	(Variation in size off sculpture shall be +- 10% in Length, Width and Height							and story weather
	shall be permitted.) Inclusive all taxes							
25.9	Excluding of GST .etc. Complete. Item No249	n ngana materi in sanar matalak ing na	1		$\label{eq:states} = \left\{ \begin{array}{l} (1,1) \\ $	$(1,1,\dots,1,1) = (1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,$	a dan sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa ka sa	
43.9	Designing, Providing & Installation of					-		Ì
	Sculpture . The material for this							in and the second second second second second second second second second second second second second second s
	sculpture is Fibre/FRP. The Height of the Sculpture should be minimum		1				a de la constante de	
	2.1m,& Length will be around 5m Size					-		
	of the sculpture shall be in proportionate							
	to the height of the sculpture. Thickness of FRP material should be 5-10mm.				-			
	Including all cost of design, Making			4. 				
	models (if any), making sculpture, inspection charges, Transportation,		1					
	Fixing at site, Construction of	2.00		1/222200.00	2202522.00	101000	2000520	
	Foundation in RCC- M20 Grade	2.00	Each	1677500.00	3282532.00	1641266	3282532	
	Concrete including Reinforcement(TMT/FE 500), Pedestal							to construction of
	including all material required for fixing			- velo			4. 31	
	the sculpture, coating the pedestal with			4			1.	
	Coaltar Epoxy Coating, all Filling material upto the base of Sculpture,					7		
	polishing and painting of the sculpture,					, a		- the standard
	as directed by Engineer in Charge.				the last of			
	(Variation in size off sculpture shall be 4-10% in Length, Width and Height							
	shall be permitted.) Inclusive all taxes							
	Excluding of GST .etc. Complete	nghampeologigge die despelikalje filmet kommenten of		er e de laire désignéer de la company de la company de la company de la company de la company de la company de	control of the material spaces parameters to the set of	alay share and a tea fraction	factor taxant the case of the case	
26.0	Item No250 Designing, Providing & Installation of					, · ·		ulua - an Anni J
	Sculpture Set The material for this					1 (A. 1) 1 (A. 1)		- strategiese of the
	sculpture is Fibre/FRP. The Height of							-
	the Sculpture should be minimum 3.6m, Size of the sculpture shall be in			-	State State			
	proportionate to the height of the					e taj		
	sculpture. Thickness of FRP material should be 5-10mm. Including all cost of		1					
	design, Making models (if any), making					1		and the second
4	sculpture, inspection charges,				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	down (Yalawana
	Transportation, Fixing at site. Construction of Foundation in RCC-	1.00	Each	2185000.00	2137804.00	2137804	2137804	-
	M20 Grade Concrete including	1.00	Encli	210200000	2107001.00	2.57.001		for a spectrum
	Reinforcement (TMT/FE 500), Pedestal							
	including all material required for fixing the sculpture, coating the pedestal with	-					-	
	Coaltar Epoxy Coating, all Filling				5 ° 1 8			
	material up to the base of Sculpture,			-				
	polishing and painting of the sculpture, as directed by Engineer in Charge.	÷.						-
	(Variation in size off sculpture shall be			a de la composition de la composition de la composition de la composition de la composition de la composition de				
	+- 10% in Length, Width and Height			e sere d	· · ·			
	shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.						· .	-
26.1	Item No251	ana a an an an an an an an an an an an a	1 - and a set of particular set of the set o		an dia mandritra amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisian	energia en la constitui de la constitui de constitui en la constitui de la constitui de la constitui de la cons	e commence muse is muse and a material products	- Balance and State
	Designing, Providing & Installation of							
	Sculpture The material for this sculpture is Fibre/FRP. The Length &					·		e-si-e-sec
	Height of the Sculpture should be		2		12			
	minimum 3m & 2m, Size of the	2.00	Each	690000.00	1350192.00	675096	1350192	and the state of the
	sculpture shall be in proportionate to the height of the sculpture. Thickness of		Search Control of Search Contr			nan juga na		onerice (getome
	FRP material should be 5-10mm.							The second second
	Including all cost of design. Making							depresenti inc
	models (if any). making sculpture,		1	1	1	1	1	1
	inspection charges, Transportation,							

n na ana ana ana ana ana ana ana ana an	Fixing at site, Construction of	ur - , , , , , , , , , , , , , , , , , ,	nalg daar landdoolog ddolloo ( synog		отник Раманда должа салада минист на оказат	annan 1999 ang ang ang ang ang ang ang ang ang ang	an taok in in di Mantine – an instituin edi
	Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all						
	material required for fixing the						
	sculpture, coating the pedestal with			5		$(1,1,2,\ldots,n_{n-1}) \in \mathcal{O}(\mathbb{R}^n)$	
	Coaltar Epoxy Coating, all Filling						
	material upto the base of Sculpture,						
	polishing and painting of the sculpture,					-	
	as directed by Engineer in Charge.				v		
	(Variation in size off sculpture shall be						
	+-10% in Length, Width and Height						
	shall be permitted.) Inclusive all taxes Excluding of GST .etc.						
26.2	Item No252			naman - sama demonstrative data di di se da di sedimenti di	energen en	n na shekara na shekara na shekara na shekara na shekara na shekara na shekara na shekara na shekara na shekara T	
20,2	Designing, Providing & Installation of				*		
	Sculpture The material for this						
	sculpture is Fibre/FRP. The Dia of the					1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
	Sculpture should be minimum 3m, Size						
	of the sculpture shall be in proportionate						
	to the height of the sculpture. Thickness					. · ·	
	of FRP material should be 5-10mm.	·		٩.			
	Including all cost of design, Making				e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l		
	models (if any), making sculpture,						
	inspection charges, Transportation,				· · · · · ·		
i i j	Fixing at site, Construction of					1	
	Foundation in RCC- M20 Grade	3.00	Each	747500.00	2194062.00	731354	2194062
	Concrete including					- A	
	Reinforcement(TMT/FE 500), Pedestal						
	including all material required for fixing						
	the sculpture, coating the pedestal with						
	Coaltar Epoxy Coating, all Filling						
	material upto the base of Sculpture,						
	polishing and painting of the sculpture,	*				5 a.	
	as directed by Engineer in Charge.						
	(Variation in size off sculpture shall be						
	t-10% in Length, Width and Height						
	shall be permitted.) Inclusive all taxes						
	Excluding of GST .etc. Complete	an an an an an an an an an an an an an a			n an		andra en ante en en en en en en en en en en en en en
26.3	Item No253	1.00	Per	850000	831640.00	831640	831640
	Fee towards the MCZMA Scurity ass	1.00	Proposal	850000	851040.00	051040	001040
unit cuspolitications	per the 114 MOM of MCZMA	abaaaaa ahadiinahiin siidee toobaaree	and a subsection of the second s	a a a fair a shear a an taga an a shear a shear a shear a shear a shear a shear a shear a shear a shear a shear		and and second	a farmana an ar constant
26.4	Item No254		Pre	-	×	Part and a	
	Cost towards the Demarcation of the	1.00	Proposal	850000.00	. 831640.00	831640	831640
	HTL and HEL from the Government		rroposar		·		
365	Agencies approved by the MoEFCC	and the second second second second second second second second second second second second second second second		namen on all the second s	<ul> <li>- Constraints (Arrised Street S</li></ul>	in the second se	and a construction of the second second second second second second second second second second second second s
26.5	Item No255 Carrying Comperhensive EIA for the				<ul> <li>A state</li> </ul>		
	Project including the generation of						
	Required Basline Survey Data for 3	1.00	Job	2000000.00	1956800.00	1956800	1956800
	Seasons and CRZ Clearnees for the	1.00		200000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
•	Project and CRZ Clearnees of the	·		-	19		
	project	2				1	
26.6	Item No256		er de la construir e a construir e la	and a second s	$\sim f \qquad ,$	1	and a second second second second second second second second second second second second second second second
and etd	Remuneration to agency for the	1.00	r - t	2500000.00	2446000.00	2446000	2446000
	prepartion of the Forest Diversion	1,00	Job	2500000.00	2446000.00	2446000	2440000
	Proposal.			2	4		- Constant of the second secon
26.7	Item No257	`^ ^ 1	<b>τ</b> τ	1650000.00	3616166.40	1614360	3616166.4
2.0.1	Cost towards the Payment of NPV	2.24	Ha	1650000.00	5010100.40	1014300	1010106
26.8	Item No258	ng pang mga mga mga ng mga mga mga mga mga mga mga mga mga mg	an na na sana ana ana ana ana ana ana an	1	in the second seco	2° -	
4040.	Cost towards the Payment of	3.34	+ 11-	1	2082035.20	929480	2082035.2
	Compensatory Afforestaion Cost	2.24	Ha	950000.00	1		2002033.2
	including Maintaencae of 10 Years			1 - E	an an ar Sing.	i i i i i i	-
26.9	Item No259	- generalized a different source states a subscription of the	ana ana ana ana ana ana ana ana ana ana			e	
20.7	Towards conservation measure for	1.00	Lumsum	750000.00	733800.00	733800	733800
	Avifauna (Bird)	, i.o.		4			1
27.0	Item No260	araa ahaa ahaa ahaa ahaa ahaa indhah indhah ahaa bir ahaa ahaa ahaa ahaa ahaa ahaa ahaa ah		a (1997) a se construction a se construction de la	and the second s	a ta k	
21.9	Towards Legal cost for obtaining the				-		
	Clearnces from Hon High Court as per	1.00	Lumsum	900000.00	880560.00	880560	880560
				1	1 2 2 2	1	
	PIL No. 87 of 2006			1	B. A. S.		

a a construction and a construction of the con

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				7		с. З	
27.1	Item No261	an channel an an an an an an an an an an an an an	a algenige om hegenoord og av over affyrsterket former i Nijty Mittalike o		n damana mana ka mana daman da mana di kina di persipikan da sa 1990 na mangan di kaman di seri. Mang L		ana na
	Implemenation of the Enviornment	1.00	Lumsum	1000000.00	978400.00	978400	978400
	Mointoring Plan during the Project Execution			angen gragen und wenn sich gewichtet in der hur 1967		and the second second second second second second second second second second second second second second second	s Marakatan danan karawa yang
27.2	Item No262 S.I.T.C. of GOBO PROJECTOR350		•				
	Watt, LED, IP 65Gobo Projector:Body				ан. Ц		
	made of Diecast Aluminium. Uses high power white LED chip,3.8°-						
	45°(electronic linear zoom), Display-On						
	board Control, Gobo-8+6 Gobos(single colour), Gobo-flow effect, Gobo shake,						
	Bi-directional rotation.Colours-One					e e e	
	color wheel (13 colour+ White, Rainbow flow effect),Prišm-16 prism with bi-					n series and series and series and series and series and series and series and series and series and series and	
	directional rotation, . Speed						
	adjustable, Focus-Motorized linear focus, Nos. of DMX Channels-16 Light	8.00	NOS	750000	5870400.00	733800	587040
	fixture should be standard DMX512 protocol compatible, the DMX decoder	0.00	100	750000	2070400.00		
	function should be inbuilt the light		Sector de la constante				
	fixture.Each iight fixture should be invidually addressable & should be able				e de la		
	to operate with any standard DMX512						
	equipment, In-Built Electronic Power Supply for LED Module, which offers				А. 1.		
	Protection against Short Circuit, Over-		*				
	Voltage & Over- Current, with in-built surge protection.Lifetime is 50.000						đ.
	hours IP rating-IP 65 minimum.Length- 480mm,Width- 410mm. Height-640mm						(
·	Weight -39Kgs.	skanneliker i 1921 vaj onekorine skier site site			ene :	and the second se	e
27.3	Item No263 S.I.T.C. of DMX Controll System	1.00	Set	700000.00	684880.00	684880	68488
27.4	Item No264		n ar ann an an air an an an an an an an an an an an an an	angegjenental perior stradition i diago sa tra grava a constra	a de la calencia de la construcción de la defensa de la presidencia de la construcción de la construcción de la		en della condectaria di construcción
	S.I.T.C. of 6m height pole made in combination of mild steel pipe sections						
	114mm dia, & 76mm dia. with suitable						
	fixing arrangement to mount Laser projector. The pole to be provided with						
	a suitable size steel plate. This mounting steel plate along with foundation bolts						
	of suitable size to be used for ensuring						n Seren and an an An Alban An Alban
	firm grouting into the specially designed RCC foundation.After Fabrication,				10 (g) (62) - (-)		
	Entire Pole is hot dip galvanized(100				in an		a
	microns-Minimum ) for the effective corrosion resistance. The hot dip	8.00	NOS	111090.00	869520.00	108690	86952
	Galvanised pole should be provided		ν γ				
	with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom						× .
	- the inbuilt box should have a flush door of suitable size. wind pressure				т (1) 101 101 101 101 101 101 101 101 101 1	an air an an an an an an an an an an an an an	
	calculation as per IS 875(part-3) &						
	structural calculation report as per EN40 should be submitted to verify the pole		er mennenskeler i te				
	design. Pole & it's parts are painted in 3						
	layer coating (coating thickness-100 microns minimum) in which 1st layer		v v v				
	with etch primer, 2nd layer with epoxy		No meno				
27.5	primer & 3rd final layer with PU paint. Item No265			$\label{eq:static_state} \begin{split} & \hat{\rho} \\ & \text{subscription} \ (1, n_{1}) = 1 \text{ subscription} \ (n_{1}, n_{2}) = $	n ann an tha sa sa na mainteachta na n	and an and a second second second second second second second second second second second second second second	ngen i stagen transisti su anter ensi 1
	S.I.T.C. of 3 Chip DLP Laser Cinema						
	series Projector, Brightness; 22000 Lumens or more, Resolution: Native 4K			~			
	Lumens of more, resolution. Native Hr. 1		l S	10000000	9057538.00	4528769	905753
	or better, along with the appropriate	2.00	Nos.	4628750.00	2037556.00	4.520705	200100
	or better, along with the appropriate Lens to manage the throw distance, 3D ready, Native aspect ratio 16:10,	2.00	Nos.	4628750.00	2027558.00	4.120705	202102
	or better, along with the appropriate Lens to manage the throw distance, 3D	2.00	Nos.	4628750.00	9097338.00	4.120709	200700

						income constants a state of a second state of the	an every appreciation of the second se
	Standard Orientation : 360°, DMX 512 Standard WARP Direct adjust OSD +		ning providen de le cital de la construcción de la construcción de la construcción de la construcción de la con				
1	toolset, Image processing, Embedded						
	warp & blend, 3D Active eye wear				229 1		
	(optional), passive circular (optional); 2						
	flash up to 200Hz; optional Dual Eye					5	
	Point 240Hz, Single HDBaseT;		÷.			and the second	
	HDMI2.0 (HDCP2.2, HDR10); DP 1.2						
	(HDCP1.3); Quad 3G/12G		ĵ.			· · · · · ·	
	SDI/BarcoLink ULTRA, supplied with						
	DP input cards, IR, RS232, IP (RJ45						
	Network connection), direct Android						
	app to control,				stanov men data dina tana akan ana mina mina mina data di sa s	nga papanan dia dia kaominina dia	an analysis of the analysis of the second second second second second second second second second second second
27.6	Item No266	,					
	S.I.T.C. of Smart poles of 10 mtrs						
	heights Customized enclosure for above				*		
	projector with pole mounting arragement IP68 protection and security.				·		
	Each enclosure allow to put minimum 1	2.00	Nos.	1587000.00	3105442.00	1552721	3105442
	projector, White in color, easy						
	maintenable Make: Techvisio/					e an air a	
	Mapan/Aura / LM3X [Urban pole /					Call Charles	
	Valmount structurs			· · ·	-		Reading states
27.7	Item No267	annan an  Non-sector contractor and contracted Scheduler (State 1997) for the		3	1 A		
-m r 3 P	S.I.T.C. of Display media server with						
	4nos x HD outputs as required, synced	1.00	Nos.	1262990.00	1235709.00	1235709	1235709
	together, . Min. Ix NVidia Quadro					-	
	RTXA5000 graphic processor,				). An ang managana ang ang ang ang ang ang ang ang	P	a agrine access
27.8	Item No268			· · · ·			
	S.I.T.C. of Production PC i7 process				ii.	Sec. Star	
	RAM 32 GB 2TB SSD memory with	1.00	Nos.	793500.00	776360.00	776360	776360
	HD outputs as required, , with 16GB	1.00	1105.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	graphic card , to be supplied with 27"						
	Monitor	en naganaya nay 1 dili karangana na kar			ان المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع الم	and a support of the static static state	
27.9	Item No269						
	S.I.T.C. of 3D Projection mapping	*	v.				
	software, Playback control System to	1.00	Nos.	1322500.00	1293934.00	1293934	1293934
	manage, schedule & control the media	1.00	INOS.	1.322.300.00	1293934.00	12/5/54	
	servers, watchout software should work					W. F. S.	
	best in above system					and the second second	
28.0	Item No270			and the second second second second second second second second second second second second second second second	and the state of t	1	
20.0	S.I.T.C. of 20 KVA UPS with 30					g a se	
		1.00	Nos.	1256375.00	1229237.00	1229237	1229237
	minutes power backup, along with	1.00	inos.	1230375.00	1227251.00	4.	
	Électrical cabling and Earthing for				-		
	projector			na de la desta			en Ngang anang sa munang ang ang ang ang ang ang ang ang ang
28.1	Item No271		1			an an an an an an an an an an an an an a	
	S.I.T.C. of Long distance transmitter for						
	High resolution signals, Transmits			1	· · · ·		
	HDMI, USB data, control, and analog						
	audio up to 330' (100 m) over a shielded					1	
	CAT 6A cable Supports computer and						
	video resolutions up to $4K/60 \text{ @ }4:4:4$ ,	2.00	Nos.	165315	323488.00	161744	323488
	USB 2.0 extension, Analog stereo audio	60 . Q U					
					and the		
	embedding, HDCP 2.3 compliant,				un province and the second second second second second second second second second second second second second		
	Supported HDMI 2.0b specification	1		1		a ser ser	-
	features include data rates up to 18					1 - Weight	
	Gbps, HDR, Deep Color up to 12-bit,				1	and the second sec	
	3D, and HD lossless audio formats				and the same and the same and the same same same same same same same sam	E 	ang gang ang antar a sa sa sa bari sa
28.2	ltem No272				Charles and the second	1	
	S.I.T.C. of Long distance Receiver for				1× 1	- 10 Mar	
	High resolution signals, Receives			. p. 9.	and the second second	A CARANA A	
	HDMI, USB data, control, and analog				000000	4/10/14	222400
	audio up to 330' (100 m) over a shielded	2.00	Nos.	165315.00	323488.00	161744	323488
	CAT 6A cable Supports computer and		l		1	· ·	
	video resolutions up to 4K/60 @ 4:4:4,				. *		
	USB 2.0 extension, Analog stereo audio						reader the
	embedding, HDCP 2.3 compliant,						

				· ·			
	Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats	ugen, anger and da gantege adaptation. Hele	n af scaddord, maradd (g. san 19 19)				
28.3	Item No273 SITC of 4k enabled HDMI male to male cables, of 2 mtrs, Ultra-flexible HDMI cables Conforms to Premium High Speed HDMI cable performance standards 4K/60 verified	10.00	Nos.	10127.00	99080.00	9908	99080
28.4	Item No274 SITC of 30 mtr / 100ft High speed 4k HDMI cable, HDMI Premium High Speed Optical Cables - Plenum, Conforms to Premium High Speed HDMI Cable performance standards	1.00		108975.00	106621.00	106621	106621
	Flexible, ultra-thin 0.16" (4 mm) diameter cable Plenum, NEC CMP-rated cable No external power is needed, Highly resistant to EMI/RFI interference, Color-coded and labeled ends	1.00	Nos.	108975.00	100021.00		
28.5	Item No275 SITC of other accessories like connectors, small patch cables of CAT6 / audio etc, sleevs, DP to HDMI or HDMI to DP, etc adapters	1.00	LS	264500.00	258787.00	258787	258787
28.6	Item No276 SITC of LED RGBW DMX conrol LED channel with aluminium extrusion channel linkable option outdoor IP66 with diffuse optic power 15 watt per meter control by independent DMX controller creating multiple lighting scene (minimum 32 scene)	180.00	meter	11500.00	2025360.00	11252	2025360
.8.7	Item No277 SITC of LED screen 4 mm pitch 5500 nits IP66, size 3m x 5m floor standing mounting bracket with media server, AV concetivity, link with APP through wifi or QR code rider	1.00	nos	1725000.00	1687740.00	1687740	1687740
8.8	Item No278 SITC of MEDIA server	1.00	nos	57500.00	56258.00	56258	56258
8.9	Item No279 SITC Mobile app for QR code	1.00	nos	230000.00	225032.00	225032	225032
9.0	Item No280 SITC of Approved content and video	8.00	nos	287500	2250320.00	281290	2250320
29.1	Item No281 SITC of entry art work of height 8000mm made up of fibre body made up of glowing fibre with base of 2500 x 1000 mm	1.00	set	805000.00	787612.00	787612	787612
29.2	Item No282 SITC of RGB lights of 24 watt 16 nos DMX control with continuous transition made by aluminium extrustion with connecting cable & controller	1.00	set	230000.00	225032.00	225032	225032
29.3	Item No283 SITC of LED screen with 31.5 mm pitch with high brightness of 3500 NIT day visibility with media server controller	30.00	sq meter	86250.00	2531610.00	84387	2531610
29.4	Item No284 SITC of Programme controller and present scene controller with built in memory 256 GB and ram of 16 GB to store programme	1.00	nos	327750.00	320671.00	320671	320671
29.5	Item No285 Set of all control cable and power cable	1.00	set	115000.00	112516.00	112516	112516
29.6	Item No286	1.00	NOS	3220000.00	3150448.00	3150448	3150448

	with laser power of 42 watt (red 9w/638nm. Green 13w/525nm, blue 20w/ 455nm ). Cooling mode - lasr with TEC cooling, whote machine is with air cooling, with enclosure of IP65, power consumption 1200watt. Laser service life 10000 hoursand operating volatge 230 volt 50Hz.lighting effect- full color animation laser with high speed galvanometer scanning technology. laser projector should confirm to EU norm and CE / UL certified. (Kvant ( Aura / Bajaj)						
29.7	Item No287 SITC of customised laser enclosure for all laser projector with IP65 protection with security mechanism (techvisio / mapan / Aura)	1.00	NOS	230000.00	225032.00	225032	225032
29.8	Item No288 SITC of pangolin software to develop various lighting show (Pangolin / laser world / star dimension)	1.00	Set	103500.00	101264.00	101264	101264
29.9	Item No289 SITC of wiring , power cable , control cable for laser	1.00	Set	575000	562580.00	562580	562580
30.0	Item No290 Content with Script writing: includes movement, actions, expression and dialogue of the characters, drama Storyboard, Storytelling, 2D 3D animation, Graphics, Art Works, Archival Imagery, Video-timeline, SFx, VFx, Voiceovers and Music etc for the show.etc for about 15 mins.	15.00	Minutes	396750.00	5822700.00	388180	582270(
30.1	Item No291 SITC of ISO 7240-16 Certified EVAC PA controller capable of adding 12 zones in the system and expandable upto 400 zones with 14x 4 Audio matrix with full DSP functionality. 8 audio, inputs, 4 audio outputs, 4 channel output matrix. Shall support the following: single line, switching or redundant group A/B switching, amplifier redundany, 4 x 100V audio inputs, and						
1	12 speaker line outputs. Fault, warning and event conditions log. Built in message, manager for 100	А д					
	emergency/business calls up to 85 minutes. 18 control inputs and 18,	4			1		
, ε Ø. Υ.	control outputs. Impedance measurement and Pilot Tone supervision for speaker line, monitoring. The network controllers shall have a possibility to be integrated using an, interface module which is able to send and receive Audio to and from other, Controllers.Frequency response (ref. 1	1.00	NOS	287040.00	280840.00	280840	28084
- - 	kHz) 20 Hz to 20 kHz (-0.5 dB), Signal- to-noise ratio, (A-weighted): Line in to line out: 106 dB typical, THD+N < 0.05%, Crosstalk (line level) Line, in to line out (0 dB gain): < 100 dB at 1 kHz, Sample rate 48 kHz, DSP processing resolution, 24-bit linear A/D and D/A conversion, 48-bit processing. Graphics		ng đ				
	User Interface software, should be considered for Monitoring and control of signal.MAKE/BRAND: Bosch		Υ		2. 		

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			s	engenov mener o engelse av en sousie print, in 11- a	<ul> <li>A The A Contract of State</li></ul>	en en seu a como de contra transce arregitar seguido dos comos	anageraanse waar and a service and a	
30.2	Item No292 SITC of The Digital call station shall be							
	an EN54-16 & ISO 7240 -16 certified user interface.							
	It shall be designed in a modern and robust chassis with a graphical display.			n				
	As standard, the call station shall have a gooseneck microphone with pop shield							
	and permanent monitoring, an illuminated LC-display and an							
	integrated loudspeaker to be used, for system sounds, it shall be possible to							
	modify the call station to suit the user's requirements by connecting, up to five					8.		
	remote call station extensions, each with 20 free customizable functions and							
	selection buttons., The Call station shall have a built-in numerical keypad; it							
And a second sec	shall be possible to enable or disable the keypad during configuration			ante de la constante de la const	at .	2 		
	<ul> <li>Five menu/function keys (pre- programmed) — four buttons shall</li> </ul>	1.00	NOS	103040.00	100814.00	100814	100814	
	provide each 1 LED (two LED's shall be 2 green and 2 LED's			- Annual and a second se				
	<ul><li>shall be yellow).</li><li>Green led on the microphone which is</li></ul>							
	active during a call <ul> <li>15 function and speed dial buttons</li> </ul>		in the device of the latter	la constante di degla della				
	(customizable); two LEDs (green/red) per button.		Charles of management of the					
	<ul> <li>Button functions shall be programmable such as:</li> </ul>			n data managemente da la constante da la const				
	• Zone select, source select, level control, emergency on/off, message							
	on/off. failure acknowledge/reset.		analogi university					
	<ul> <li>switching output trigger on/off or 0 to 10V, select scheduled events, scheduled</li> </ul>							
AND AND A COMPANY OF A COMPANY	event on/off			Contraction of the contraction o				
	CAT5 cable for data and audio connection to controller (can bus, up to		≺er vanne - militæred.					
30.3	1000 meter).MAKE/BRAND: Bosch Item No293	a fair an an an an an an an an an an an an an					in a second second second second second second second second second second second second second second second s	
A	SITC of The call station extension shall be EN54-16 Certified. It shall be			and an and a second second second second second second second second second second second second second second				
	designed in a robust andmodern chassis. It shall expand the call station by 20	n o pano pano pano pano		ananish mar shink me		на Вер 1 так		
	customizable functions keys.• 20 free customable functions keys, and two					6.98 A		
-	LEDs per button (green/red).• It shall be possible to program button functions	1.00	NOS	61870.00	60534.00	60534	60534	
	as:• Zone select, source select, level control, emergency on/off, message			an de la contra de la contra de la contra de la contra de la contra de la contra de la contra de la contra de l				
	on/off, failureacknowledge/reset.• switching output trigger on/off or 0 to							
	10V, select scheduled events, scheduled eventon/off.• An LED shall also be	news - can be determined						
	programmable for own indication functionalityMAKE/BRAND: Bosch				a da antona de se a constructiva de la destructiva de la destructiva de la destructiva de la destructiva de la	- percent and a second provide the second	angermer som traffic to ordere	
30.4	Item No294 SITC of EN54-24 Certified IP65 rated		a many transmission of the second sec					
-	outdoor surface mount speaker to be supplied with standard U-bracket,	a <b>Marine Wood</b> (1997)				- 		
	Maximum power22.5 W, Power tapping15/7.5/3.75/1.9 W, Sound	100.00	NOS	9948.00	973300.00	9733	973300	
Co-VIII-VIII-VIII-VIII-VIII-VIII-VIII-VI	pressure levelat rated power / 1 W(1 kHz, 1 m)98/86 dB (SPL), Opening	nojooneeraa ja ja noo						
Av do have	angleat 1 kHz / 4 kHz(-6 dB)179° / 101° (hor.)168° / 35° (ver.)MAKE/BRAND:			www.industry.com				
L	Bosch	1	J	and the second s	La capital a casa propagatar na analasi a pangata	han a second and the second second second second second second second second second second second second second		

0.5	Item No295	apagene en an en angele a anten en d'Or e e ben	Alexander, and a second s	n an an ann ann an ann an ann an ann an	andere andre any room denseration in an ordered with		
0.0	SITC of EN54 Certified EVAC Router for adding 24 zones in the system and to	¢.	200 20 3 1				
	route 4 channels into, 8 100V audio inputs to 24 loudspeaker line outputs, 2- in-6 matrix, 20 Control Inputs, 26,					r.	
	Control Outputs. Shall support single line switching or redundant group A/B	1.00	NOS	238510.00	233358.00	233358	233358
	switching, amplifier redundancy. Impedance measurement and Pilot Tone supervision for speaker line monitoringMAKE/BRAND: Bosch				s e e s		
<u> </u>				a data and a sub-standard and a standard stand of a standard standard standard standard standard standard stand		a nagolag gana da 1930 ka 1930 ka 1940 ka 1	r Reaction of the state of the state of the state of the state of the state of the state of the state of the state
0.6	Item No296 SITC of 480 W power amplifier in a 3U high housing with 70 V / 100 V and 8						
	ohm outputs,Dual inputs with priority switching, 100 V input for slave				n an an Armana An Armana Armana An Armana Armana	4 <u>-</u>	
	operation on 100 V speaker line, Mains, battery back-up, With Following Features:						
	1. Output power (rms) 480 W 2. Frequency response 60 Hz to 18 kHz	4.00 '	NOS	49680.00	194428.00	48607	194428
	(+1 / -3 dB at -10 dB ref. rated output) 3.Distortion <1% @ rated output power, 1 kHz				Λ δε 		
******	4.S/N (flat at max volume) >90 dB 5.Battery power supply:24 VDC MAKE/BRAND: Bosch			×.	- - 		
0.7	Item No. 297 Standard Consistancy, Fineness, Specific Gravity, Setting Time (Initial	10.00	1 Test	1175.00	11500.00	1150	11500
ريدزيا وإستاجهم والمراجع	& Final ), Compressive Strength, Soundness.	0.000 m m m m m m m m m m m m m m m m m	a source and the second second second second	1	2 2 2 2 8 3 3 		eenergener statistissen om en soorte een soort
0.8	Item No. 298 Water Absorption, Specific Gravity,Impact Value, Crushing Value.	10.00	1 Test	585	5720.00	572	5720
0.9	Item No. 299 Sieve Analysis.	10.00	1 Test	1260.00	12330.00	1233	12330
1.0	Item No. 300 Abrasion Value.	10.00	1 Test	4880.00	47750.00	4775	47750
1.1	Item No. 301 Flakiness Index & Elongation Index. Item No. 302	10.00	1 Test	870.00	8510.00	851	8510
1.2	Stripping Value. (for Bituminous Work) Item No. 303	10.00	l Test	3465.00	33900.00	3390	33900
1.3	Śoundness. Ifem No. 304	10.00	l Test	1895.00	18540.00	1854	18540
	GSB Mix Design./Cement Treated Sub Base (CTSB)	1.00	1 Test	670.00	656.00	656	656
31.5	Item No. 305 Fineness Modulus ( Sieve Analysis ),Silt & Clay Content	10.00	l Test	1755.00	17170.00	1717	17170
31.6	Item No. 306 Chloride & Sulphate Content.	10.00	1 Test	735.00	7190.00	719	7190
31.7	Item No. 307 Silt Factor.	10.00	1 Test	5380	52640.00	5264	52640
31.8	Item No. 308 Flexural test (Set of 6 Tiles), Water Absorption (Set of 6 Tiles).Resistance to wear (Set of 6 Tiles).	10.00	I Test	2630.00	25730.00	2573	25730
51.9	Item No. 309 Flooring of Natural Stone (Kota, Marble, Granite, Tandur.etc.) Water absorption, Specific gravity	10.00	1 Test	3225.00	31550.00	3155	31550
32.0	Item No. 310 Compressive Strength OF C.C. Cube (Set of 3 cubes).	4.00	1 Test	4080.00	15968.00	3992	15968
ngi mananatiri dina	and have by some of the second s	د مەربىي - 10 مەربىي مەربىيە مەربىيە مەربىيە بىلىكى بىلىكى بىلىكى بىلىكى بىلىكى بىلىكى بىلىكى بىلىكى بىلىكى بىلى	1			un der eine eine einen ander eine einen ander einen andere einen einen der einen einen der einen andere einen a	
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32.1	Item No. 311 Concrete Mix Design (With all Tests on basic materials)	1.00	1 Test	810.00	793.00	793	793
32.2	Item No. 312 Compressive Strength , Water Absorption, (Set of 8 Blocks)	1.00	l Test	215.00	210.00	210	210
32.3	Item No. 313 Crushing Value/Compressive Strength, Water Absorption & Specific Gravity,	10.00	1 Test	1785.00	17460.00	1746	17460
32.4	Item No. 314 Sieve Analysis.	5.00	Į Test	4280.00	20940.00	4188	20940
32.5	Item No. 315 Liquid limit & plastic Limit.	5.00	Test	2155.00	10540.00	2108	10540
32.6	Item No. 316 Compaction Test ( Proctor Density ).	5.00	l Test	1935	9465.00	1893	9465
32.7	Item No. 317 Sulphate & Chloride Contents.	5.00	1 Test	17400.00	85120.00	17024	85120
52.8	Item No. 318 Penetration. Softening Point, Flash & Fire Point, Specific Gravity	2.00	l Test	17400.00	34048.00	17024	34048
32.9	Item No. 319 Extraction Test.(Bituminous mix)	2.00	1 Test	5060.00	9902.00	4951	9902
33.0	Item No. 320 Extraction & Sieve Analysis of Bituminous mix ( for BM/DBM/AC) (2 samples of extraction for one sieve analysis including extraction)	2.00	I Test	6685.00	13082.00	6541	13082
33.1	Item No. 321 Job Mix Design with all Tests on aggregate (Excluding bitumen) for DBM/SDBC/AC/SMA (Stone Mastic Ashphalt) (Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	12280.00	24030.00	12015	24030
33.2	Item No. 322 B. M. Mix Design with all Tests on aggregate (Excluding bitumen) ( Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	19855.00	38852.00	19426	38852
33.3	Item No. 323 Seperation test for modified bitumen.	2.00	1 Test	7850.00	1,5360.00	7680	15360
33.4	Item No. 324 Density Test. (Set of 3 Blocks ),Compressive Strength. (Set of 3 Blocks),Water Absorption Test (Set of 3 Blocks)	1.00	1 Test	7850.00	7680:00	7680	7680
33.5	Item No. 325 PH Value, Sulphate & Chloride Content.	4.00	I Test	360	1408.00	352	1408
33.6	Item No. 326 Weight per running meter, Diameter of pipe & wall thickness of pipe,	1.00	1 Test	5300.00	5186.00	5186	5186
33.7	Item No. 327 Weight per running meter, Diameter of pipe & wall thickness of pipe	1.00	1 Test	1700.00	1663.00	1663	1663
33.8	Item No. 328 Upto 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	4.00	1 Test	4675.00	18296.00	-4574	18296
33.9	Item No. 329 Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	2.00	1 Test	108600.00	212508.00	106254	212508
34.0	Item No. 330 Reflectance & yellowness index.	1.00	1 Test	80.00	78.00	78	78
34.1	Item No. 331 Retro Reflective Test.	1.00	1 Test	80.00	78.00	78	78

	<u>k</u>				· upper unimage space as of integraphics about the part to unitaring	- 	antan anang karana anang k
34.2	Item No297						
	Providing and casting in situ or precast	1					
	tapering R.C.C. M-20 Barrier type Kerb	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	with gutter ( as per IRC 86 1983)			1			
	embedded 125mm below ground level	3		1			
	over M-10 PCC finished neatly with					·	
e "1		81.66	Rmt	1175.00	93909.00	- 1150	93909
	C.M. 1:2, setting the same in C.M. 1:2,	01.00	Kint	1175.00	15707.00	1150	/3/0/
	including the required excavation in any		2				
	strata and removing the excavated stuff						
	any where in city and redoing the						
	surface as specified and directed by	- A					
	Engineering In-charge. Using Concrete	3	a 11			. 🎄 : :	
	Batching and Mixing Plant					Α.,	a Marine Marine State and Marine and Marine and Marine
34.3	Item No298	and a second state of the					
	Road Marking with Hot Applied						
12	Thermoplastic Compound with						
	Reflectorizing Glass Beads on				i.		
	Bituminous Surface- Providing and				· · · · · · · · · · · · · · · · · · ·	1. A. T	
. is	laying of hot applied thermoplastic			505.00	1000 00		16700 23
	compound 2.5 mm thick including	81.66	Sqm	585.00	46709.52	572	46709.52
	reflectorizing glass beads @ 250 gms			ar an an an an an an an an an an an an an		ана страна (1996) 1997 — Прила Сарана (1997) 1997 — Прила (1997)	
	per sqm area, thickness of 2.5 mm is					Т	
1	exclusive of surface applied glass beads						7
· ·	as per IRC:35. The finished surface to		e shahada and				
	be level, uniform and free from streaks				÷		*
	and holes.complete.						
511		alamanagan a san alika sa shiri karbutat	1900-1009-100 - 2000-1000-1000-1000-100-100-100-100-100-	ana an an an an an an an an an an an an	ontendingen of opposition encoderant (2014, long and	, engangement - Marinetar, albuman distribution gen	danalikan santanan tara sa dara S
34.4	liem No299						
	Providing and Laying factory made						
	coloured chamfered edge Cement					and the second second	
	concrete grass paver blocks of required						
	strength, thickness & size/shape, made						
	by table vibratory method using PU						
2	mould, laid in required colour &						
	pattern over 50mm thick compacted						
	bed of fine fine aggregate (natural						
: s y	sand/crushed sand VSI grade finely						
		· · ·					
	washed etc.). compacting and proper						
	embedding/laying of inter locking paver						
	blocks into the fine aggregate (natural					r.	
	sand/crushed sand VSI grade finely			12.10	68510.00	1000	77210.00
	washed etc.) bedding layer through	54.76	Sqm	1260	67519.08	1233	67519.08
ST 14 St 14	vibratory compaction by using plate						
	vibrator, filling the joints with fine						
	aggregate (natural sand/crushed sand						
	VSI grade finely washed etc.) and					r.	
建造业	cutting of paver blocks as per						
	required size and pattern, finishing						
	required size and pattern, missing					and the second second	8
	and sweeping extra fine aggregate					1	ŀ
	(natural sand/crushed sand VSI grade				- · · · ·	, - A	-
	finely washed etc.) and complete as per			1	1	1	
	manufacturer spsecifications & direction				1	1 C. 1989 - 1997	
	of Engineer-in-Charge. 60mm thick CC						· ·
	paver block of M-35 grade concrete		9 -		and the first	· · · ·	
	with approved colour and design &						
	pattern.	1	1 		, support a suggraduation to parameter to be a solid or the		and the second second second second
34.5	Item No300						
an inger	Providing and laying in position				1		-
	flooring of telephone black / Amba						-
	White / Cat bary brown / Ruby red /						
	Ocean Brown granite stone of approved		, ·		1000100.00	1000	4000.000
	shade and size 18 mm to 20 mm thick	967.63	Sqm	4880.00	4620433.25	4775	4620433.
	Shade and Size to thin to 20 thin thek					The second second	
	on bed 1:6 cement mortar including				and said		n showing
12 <u>81</u> 3	cement floats striking joints, pointing in			i de la companya de	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		5
	C.M. 1:3 curing and cleaning etc.			1 · · · · · · · · · · · · · · · · · · ·	Sec. Sec.		
	complete.			, and a star a second second second second second second second second second second second second second second			and the second s
34.6	Item No301						-
	Providing leather finished polishing to					196 <sup>10</sup>	
	Granite Stone slab by continuous	0(7.22	e	\$70.00	823197.83	851	823197.8
	grinding in 4 coats of different bits to	967.33	Sqm	870.00	020191.00	.0.1	1 1005710
s, *	gunning in a wate or university one to					-	
· , *	in a social rough and mait finish including			1	1	1	1
· · · ·	receive rough and matt finish including						1
n ang sana sanana	receive rough and matt finish including buffing process before laying and fixing	<ol> <li>Do strategy with reduced an and range.</li> </ol>	n na sa	and and should draw a car and should be	and concerned a new of the exclusion of the statement of	al a service propriese com	

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	of stone as per drawing and design, including cleaning, washing and finishing etc. complete.		the concernent of the strategy		:		4 
34.7	Item No302 Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and Risers 12 mm thick, required width and required finish in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.	10.32	Sqm	3465.00	34984.80	3390	34984.8
34.8	Item No303 Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment)of the approved brand and make and specified colour for outdoor floors such as footpath. courtyard, multimodals	34.07	Sqm	1895.00	63165.78	1854	63165.78
	location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per direction of engineer in charge						
34.9	Item No304 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant	702.33	Rmt ,	670.00	460728.48	656	460728.48
35.0	Item No305 Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. a) One side polish	189.36	Sqm	1755.00	<b>325131.12</b> 计注意	1717	325131.12
35.1	Item No306 Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design. including cleaning, washing and finishing etc. complete.	767.53	Sqm	735.00	551854.07	719	551854.07
35.2	Item No307 CAST IN STU SAFETY RUBBER FLOORING SYSTEM WITH including 20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule absolute thickness ~25mm .(as per drawing attached) etc. including VAT, tax complete. Manufacturers warranty is 5 years.	16.88	Sqm	5380.00	88856.32	5264	88856.32
35.3	Item No308 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm thick bed as required line, level, shape and size as instructed by Engineer	6.08	Sqm	2630	15643.84	2573	15643.84

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	lead lift, curing, cutting, all material and labour with wastage etc. complete all						
35.4	Item No309	aya - cyangatarina ana ata in a antiri a dikara k	aan ah ah ah ah ah ah ah ah ah ah ah ah ah	is an in the set of set of set of the set o			
	Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles	e.					
	16 mm thick and required width wide in				9 M		
	plain pattern including Cement float,	1139.60	Sqm	3220.00	3589740.00	3150	3589740
	filling joints, with neat cement slurry, Natural sand, curing and cleaning						
	complete, with prior approval of		-				
a de la composition de la composition de la composition de la composition de la composition de la composition de	concerned Superitending Engineer.		: maar oo oo ahaan iyoo oo dhii chiisoo oo dhiifadaa	names a -100 (blanca), * -17 (dont)essan orregenado	· · · · · · · · · · · · · · · · · · ·	ang kananan agapangan ing kananan Prida da Akaran ing	
35.5	Item No310 Providing and laying RED & BLACK					, <u>24</u>	
	GRANITE cobble stones of 100mm x				-		
	100mm x 100mm. 3 line dressing with						
	12 mm top layer in size of fine cut and well dressed in Grey colour in paving on						
	a bed of min. 40 mm thick cushioning in	12.83	Sqm	4080.00	51217.36	3992	51217.30
	C.M. 1:4 including neat cement float	12.05	oqui	1000.00	01217.00		
	etc. filling of joints in C.M. 1:2 with grey cement to match the colour of						
	cobble stone in the required pattern,				Ť		
	design and as directed by the Engineer			. 3			
t.	incharge, including cleaning, curing etc. complete.			· ·		an an Arristan Arristan	
35.6	Item No311		nanagana di kana ang kana kana kana kana kana kana	a aga a sana a sana a sa	An and the set of the	A CONTRACTOR OF A CONTRACT	particular constraint a series
	Providing sand faced plaster externally						
	in cement mortar using approved screened sand, in all positions including						
	base coat of 15 mm thick in cement						
	mortar 1:4 using waterproofing					5 V V	
	compound at 1Kilogramper cement bag curing the same for not less than 2 days	216.23	Sqm	-810.00	171470.39	793	171470.3
	and keeping the surface of the base	-		1			
i san	coat rough to receive the sand faced						
	freatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by			-			
	taking out grains and curing for					er a la compañía	
- Still to charge the balance	fourteen days scaffolding etc.complete.		ngug ar tar ar Salakin, u migili i da Alli da ar			2	na sentence a sente adde a teta a s
35.7	Item No312 Providing vec pointing with cement						
	mortar 1:3 for stone /Brick masonry	79.02	Sqm	215.00	16594.20	210	16594.2
	including scaffolding and curing etc.						
35.8	complete Item No313	- CORRECTOR Will replace to the second second second	nya, a anara-serienderi, der dera seri			A second se	and a second second second second second second second second second second second second second second second
52.8	WOODEN FINISH PAINTING OF						
and the second second	EXISTING WOODEN FINISH						
1	TEXTURED SURFACE CEMENT CONCRETE BENCH including any						
	material, machinery, scaffolding etc.	,					
	complete. Rate includes proper cleaning				6		
	of surface by sand paper application of 1 coat of Apex exterior grade primer	4			е Ц.		
	above that 2 coat of exterior grade Apex	1653.80	Sqm	1785.00	2887534.80	1746	2887534
	Paint as a base coat & 1 coat of Apex	1022.00	Squi	1105.00	100100100		
	Paint for making wooden finish/grains & with 2 final coat of Apex clear polish					1	
	including cement, Sand, chemical,					e <sup>3</sup>	
	adhesive, chikenmesh, primer, paint,						
	polish, paper, etc. all material, labor, scaffolding, etc. all complete. Work						
	done should be as per a approved			3	$\left[ (x_{1},y_{2}),\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},y_{n},\ldots,y_{n},\ldots,y_{n},y_{n},\ldots,y$	8	an and a second s
	sample & the instructions of engineer				-		-
and Second Second	incharge.		an an an an an an an an an an an an an a	n ana par prope provincialities referir sub-to-t	an agençian inigen, weardan were ber - menser (a. 1996) de	alan salah salah kara paga manuk malilining dit	1.19 - A. 1.10 (1.1.1)
35.9	Item No314 Providing and Fixing mat finish						1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
	stainless steel (of 302 grade ) railing	270.08	Sqm	4280.00	1131095.04	4188	1131095
	with top pipe of 50 mm dia, and						
	vertical pipe of 38 num dia at 0.60 m c/c or as required and horizontal pipes of 25		to get whether the second second				<b>.</b>
$\int_{\mathbb{R}^{2n-2n}}  h ^{2n-2n} dx^{2n-2n} dx$	Al un i common common and and and and a second and a se	a and a second construction of the second se	🛦 yn ynhydrae den fernen yn yfwyn i sirier yn	an general and a second second discussion of the second second second second second second second second second	and a second second second second second second second second second second second second second second second	and a supervised state of the supervised state of the supervised state.	

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	12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		• • • • • • • • • • • • • • • • • • •	1	newspergerungsstaat gester en Minister in Minister er stade finse Milliger	n stringer i strike systemeter	entergan and entered and the experiment of the transition	- 11 
	mm dia in three rows, all pipes of 2 mm thick including buffing, fabricating					n in station production.		
	fixtures and fastening including pipe						р. — — — — — — — — — — — — — — — — — — —	1
	base of appropriate diameter and ball						e de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de l	geologie - s
	base of 75 mm dia above newel post of						- s*	1
	75 mm diameter etc. complete (Prior							
	approval of sample and brand by		a meneral					1
	Ex.Engineer is necessary before use)		1				e F	
36.0	Item No315	a constant of the second		and the second product of the second s	a sure to the restriction of the sure of t			
	Stamp Concrete of 100mm Thickness -		er mener st					
	Providing and Laying in-situ M30						ł	
	Grade unreinforced plain cement stamp						1.	
	concrete of 100mm thickness pavement							
	over a prepared sub base with 43 grade				$+\psi_{1}$			
	cement, coarse and fine aggregate							1
	(natural sand / VSI grade finely washed						i .	
	crushed sand) Confirming to IS 383, as					. 5		
	per mixed in a batching and mixing						1	
	plant / non tilting mixer and weigh							
	batcher as per approved mix design,							
	admixtures, transporting to site in							
	nagpur city with lead upto 20KM (on	annumer is a						and the second
	Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved	1				9 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
	make pover, compacted and finished in							"app""
	a continous operation, finishing to lines							all and a second second second second second second second second second second second second second second se
	and grades Also Providing, Placing and							
	applying stamp powder which is light	-			der v		-	
	fast UV resistant pigment with		au l'une de la constante de la					
	appropriate chemical compounds of	461.56	Sqm	2155.00	972968.48	2108	972968.48	
	desired colour on base concrete after						l.	a construction of the second
	excess bleed water has evaporated using			-				
	dry shake method @5kg per sqm.			•			ĺ.	
	Including texturing, and covering with							Sec. 1
	plastic sheet (min 200 micron thickness)							
	and also applying two coats of UV-	- Community of the Comm						
	stable,30 % solids clear sealer @ 150 to	}	and the second					
	250 gms per sqm using surface roller						1	
-	and protecting from falling dust dirt and			1				
	curring by curring compound / by	1						1.1.1
	providing cement vata in cement Mortor							1
	$1.8 @ 0.6 \text{m} \ge 0.6 \text{m}$ center to center,					× ~		
	admeasuring 80min at bottom and				· · .	n n data	<b>1</b>	
	40mm at top with depth of 75mm and				and the stage			
	maintaining the same throughout curing period by any other method approved by				A 6 1	1		
	Engineer-incharge or Landscape				a se desta a	1		A COMPANY
	architect etc. complete. (prior approval		440, ' <b>'</b>		N.			- Maria
	of superinteding Engineer will be		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				2 	
	necessary)							1.
36.1	Item No316		<ul> <li>Schule print medanes and set of the set of</li></ul>	a na	n en sen en	his specification of the second second second second second second second second second second second second s	plane, finances, con constante d'accordination con con e	
~~~~	Providing and laying polished hand cut							
	Kotah Stone flooring 25mm to 30mm							
	thick and 45cm to 55cm wide in	570.17	0	1025.00	1004475.01	1003	100.1172.01	
	plain/diamond pattern on a bed of 1:6	578.17	Sqm	1935.00	1094475.81	1893	1094475.81	
	C.M. including cement float, filling						-	
	joints with neat cement slurry, curing,							
	polishing and cleaning complete.		Company of the Contractor of the Matter					
36,2	Item No317							- interest
	Design Conceptualisation & painting	15408.00	Sqm	980	14776272.00	959	14776272	
	3D artwork on any surface at all height	1,5408.00		200	14710272.00	1.12	14//04/2	
	and locations as directed .	warman a sure alares and	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second 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36.3	Item No318							THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPE
	Providing and laying cement concrete			1				
	wearing coat M30 grade with batch mix							-
	type / concrete mixer with SCADA		~		1 100 100			
	including reinforcement as per drawings	11.13	Cüm	17400.00	189477.12	17024	189477.12	
	and technical specifications etc.		ar, 1999					i.
								T.
	complete with fine agreegates of				al and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
	complete with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc )	nda) mener			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se			

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gla								
	36.4	Item No319 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown /RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. Skirting Spec.No. : Bd. M.22	6.29	Sqm	5060.00	31141.79	4951	31141.79
	36.5	B/Page No. 390 Item No320 Providing&fixing in position 20 +/- 2mm thick machine cut, mirrorpolished, 1st quality granite cladding such as black galaxy or approved equivalent in lift lobby / passage installed in approved pattern and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basie rate ofgranite is Rs.3600/-Sq.m.)	60.25	Sqm	6685.00	, 394095.25	6541	394095.25
	36.6	Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2. Im to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand. Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, excavation, pcc, tor steel etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge.	8.10	Rmt	12285.00	97362.00	12020	97362
	36.7	Item No322 Ss Dust Bin (Refer sketch 10) Product area:0.76Sqm, Capacity in Itrs: 42.0 Itrs, Product height:0.92m	12.00	No	19855.00	233112.00	19426	233112
an Branch	36.8	Item No323 Design and engineering, supply and fixing of tensile membrane of high tensile strength, primary and secondary steel, hardware and accessories, including the fabrication of steel structure made out of MS structural steel tubular section of high yield strength as per relevant IS codes. The tensile membrane roof cover shall be of	48.59	Sqm	7800.00	370838.88	7632	370838.88

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r	PVC coated polyester composite	e na sanaan ay ee daha	and any matter of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	Contraction in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	and the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the second back of the secon		
	membrane of approved make and							
	quality including membrane cutting,						- vularo	
-	seaming and HF welding as per						V	
andraber we d	manufacturer standards. The membrane		-			5 ·		
	shall be fixed to MS structural members							r Japanir Aree
	with necessary SS plates, lugs, clamping							
no recent	plates as required. The membrane shall be stretched and tensioned as per the							e presione
	design approved. The Membrane shall							
5 4 7	be flame resistant, fungicide finish, high						ano, amin'ny fi	
	tear out force and continued tear out				5 C			
	force, well wieldable, good UV							
	resistance, high water pressure							connector as
	resistance and very low maintenance.		an an an an an an an an an an an an an a	an an an an an an an an an an an an an a	and physical spectra in the second second second second second second second second second second second second	an an an an an an an an an an an an an a	and the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of the statement of th	di nagana
36.9	Item No324						· · · · ·	
	Bamboowood 10mm thick Wall							and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
	Cladding including Threshold & T-mold for Accoustic purpose Providing &							
	fixing in position Phenol bonded							di dan Jone
	Bamboowood wall cladding at all height							artistada anta
	with planks of sizes 10mm thick.							ł
	1900mm length (minimum) and 135mm							
	wide approved colour, texture and							Same -
	finish, having Performance Appraisal							ŧ.,
	Certificate (PAC) issued by Building				é			
	Materials & Technology Promotion Council (BMTPC) with necessary				3			1. Y
	profiled edges fixed with BR nails to	Share of the state	1	- The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			s an angle a	
	frame work made of second class teak				naven k t		ine e si	Ì
	wood of size 50 x 50 mm in centre and							- Angle Inc. o
the state	ends of each tile. The bamboowood	are Antonio a						Andrews
	cladding shall be laid over glass wool of	132.53	Sqm	7845.00	1017300.28	7676	1017300.28	
-	50mm thickness filled in between two	102.00	i com	1012.00				
	teak wood frame and hold in place by							#."F.194 -
-	50mm thick teak wood placed centre of two teak wood and covered with mesh		ne vi					
	(rabbit) fixed to teak woodframe work	1					- Sector	and and and
e 	with wire nails as backlayment and				-			
	covered with 1 00mm thick expanded				- An an			
	poly ethylene toam of density	1					ale minister	÷
1	25Kilogram/cum in two layers first		10-10-10-10-10-10-10-10-10-10-10-10-10-1					
	layer on wall surface before fixing							
	wooden frame and second layer on					1		in inclusion
	frame under cladding. The Bamboowood planks shall have	-			****			6-54602D
	minimum density of 1000		-					<u> </u>
	Kilogram/cum & minimum Hardness							Swand
	1000 Kilogramf, with Iteo friendly UV		4 1 T				- <b>10</b>	
- 	coating, all complete as per direction of				1			
4 4	Engineer in-charge.	and desired and the second second second				and a special second second second second second second second second second second second second second second	and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
37.0	hem No325				Color wanter a	4		and on the second
	Providing and applying two coats of							
	exterior weather shield paint of approved manufacture and of approved					-		
	colour to the plastered surfaces							1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19
	including leaning, preparing the plaster			212.00	100,000,00	-		N. N.
	surface, applying primer coat	364.80	Sqm	360.00	128409.60	352	128409.6	
	scaffolding if necessary, and watering							
	the surface for two days etc complete.	annual and						
	NOTE:ForItem Number 15 to 18 prior							-
	approval of Superintending Engineer				1 	a a a a a a a a a a a a a a a a a a a	Rest francé de	
37.1	will be necessary	$\mu^{(0)} = e^{-i t} = 1.84  \mathrm{eV} = 0.84  \mathrm{e}^{-i t} = 0.176  \mathrm{e}^{-i t}$			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec		and the second second second second second second second second second second second second second second second	
	Item No326						-	
24.1	Show 2 Barry and Burry and the Source start 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1	5	1	1		a a su a su a su a su a su a su a su a		1 1
24.1	Providing and laying telephone black /							ų.
	Amba White / Cadburybrown / RBI red	and a start of a start of a						9. 9. 9.
.≥4+1	Amba White / Cadburybrown / RBI red / Ocean Brown granite stone of 18 to 20	0.56	Sqm	5300	2904.16	5186	2904.16	
	Amba White / Cadburybrown / RBI red	0.56	Sqm	5300	2904.16	5186	2904.16	de la vige de management de la management
	Amba White / Cadburybrown / RBI red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler	0.56	Sgm	5300	2904.16	5186	2904.16	ni de ofer e man en en el composition e
.2 / . 1	Amba White / Cadburybrown / RBI red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including	0.56	Sqm	5300	2904.16	5186	2904.16	n (h (m))

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	<ul> <li>approximation and set over an 1911</li> </ul>	necessary, curing, etc. complete. Specifications: Bd. M. 12 Spec. No.: As directed by Engineer-In- Charge	*			6 .		in i linere profi field gaffe
	37.2	Item No327 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming	analanan ing menulakan kanala kanala kanala kanala kanala kanala kanala kanala kanala kanala kanala kanala kana K	ан индекстрация (с. т.	an anana mining ang ang ang ang ang ang ang ang ang a	2	nanananya in sanan nananya sina sina si	1997 - 1999 - 1997 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1
		to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar	<sup>3</sup> 24.62	Sqm	1700.00	40943.06	1663	40943.06
		including joint filling with white/ colour cement slurry cleaning curing etc. complete.						
	37.3	Item No328 Providing,aupplying,fabricating and	nonalieren zuen, en zuenen en eritzen in eritzen eritzen eritzen eritzen eritzen eritzen eritzen eritzen eritze	n menendar annere en de conservante. Y	nerne serrerik i s	a ana ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an		
		fixing panel of aluminium composite panel cladding in approved shape made			- 			
		out of 4 mm thick ACP sheet material						
		consisting of 3mm thick FR grade						
		mineral core following NBC part IV Fire and life safety (having 2 hours fire						
		resistance in accordance to ASTM				-		
		E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium						
		sheets (each 0.5 mm thick of AA						
C ····		5005/AA3105 grade) The aluminium composite panel cladding sheet shall be	61.61	Sqm	4675.00	281804.14	4574	281804.14
		coil coated with kynar 500 based	·					
		PVDF/Lumiflon based fluropolymer						
		resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and					n Negelsen	
		sg-hade on top face and polymer						
		(service) coating of bottom face as specified using stainless steel						
		screws, nuts, bolts, washers, cleats, weather	-					
		silicon sealent, backer rods etc. overall						
0 5 		weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)						
	37.4	Item No 329	60.00	Monthly	108595.00	6374940.00	106249	6374940
	37.5	Civil Operation Cost - Item No 330		Per		iner Mehlmet unversionelije rekterenjer en ber	and a second second second second second second second second second second second second second second second	an an an an an an an an an an an an an a
		Garden Maintenace (Including Cost of Water) - 2nd Year	7717.20	Sqin/Mon th	80.00	601941.60	78	601941.6
	37.6	Item No 331 Garden Maintenace (Including Cost of Water) - 3rd Year	9260.64	Per Sqm/Mon th	80.00	722329.92	78	722329.9
	37.7	Item No 332 Garden Maintenace (Including Cost of Water) - 4th Year	11575.80	Per Sqm/Mon th	80.00	902912.40	78	902912.4
*\$	37.8	Item No 333 Garden Maintenace (Including Cost of	13119.24	Per Sqm/Mon th	80.00	1023300.72	78	1023300.7
та 1	37.9	Water) - 5th Year Item No 334	Sangaragagag (			a na sa na sana sa	ал 1947 - Халана аланан анун тематраларттараттар 1970 - Солон Аланан анун тематраларттар 1970 - Солон Аланан анун тематрар	na Milani a d'arri a chian da sa
. <sup>w</sup>		Electrical and Public Art Lighting - Comprehansive Maintenance for 2nd Year	1.00	Yearly	2828150.00	2767062.00	2767062	2767062
	38.0	Item No 335 Electrical and Public Art Lighting - Comprehansive Maintenance for 3rd Year	1.00	Yearly	4525030	4427289.00	4427289	4427289
	38.1	Item No 336 Electrical and Public Art Lighting - Comprehansive Maintenance for 4th	1.00	Yearly	6221915.00	6099863.94	6099863.94	6099863.9
	1	Year	and a construction of the second second second second second second second second second second second second s		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	angustatables angles parabilities on Chand & 107-1995 See Network Co. 14		- No channel and the second second second second second second second second second second second second second
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							\$	· · · · ·

38.2	Hem No 337 Electrical and Public Art Lighting - Comprehensive Maintenance for 5th Year	:,00	Yearly	7918800.00	7747754.00	7747754	1 774775.,
38.3	Item No 338 Electical Work - Operation Autount	60.00	Monthly	18400,00	1080180.00	1860.2	1380 (51)
		T.	otal Amount		1246766893		1219838509 Final Negotials Amount

वरील लोगे में, एन,ए,कंस्ट्रक्शन पालि, यांनी वरील दराची (३,१२१,98,38,999/-) निविदा संदर केल्या आहेत जा आयुक्त सहोदय यांनी सदरवे दर स्विकारण्यास माल्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश जंभाक एनसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र सहानगरपालिका आधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) लधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आले. असुन त्यांना अधिनियनातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील जागोल म्याराष्ट्र महानगरपालिका अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील जागोल म्याराष्ट्र महानगरपालिका अधिनियम संचील कलम 73 (क) न्सार नाल्यता देण्यास शिकारस आहे.

> (दिपक लगभित) शत्म आंक्षियता विद्य-आर्क्षियता

भा, आयुक्त बांच्या आज्यतेने

मा. मल्मममा / रनम्ते समिती सुभी गोवरा प्रान १०४/०९/२२४७ साथे पृ ९३५ वा . ग्रेस्ट रेट ३ <u>१५७</u> नं २०२०/२५ रिसिम्ट <u>२</u>९२७ नं २०२०/२५ सिवन विभाग सचिव विभाग मिरा-भाईदर महानगरपालिका

## मिरा-भाईंदर महानगरपालिका

## प्रशासकीय ठराव दिनांक ० प्र सप्टेंबर 2024

## ි පු ග विषय क्र. ( ) :- मा. आयुक्त महोदयाकडील कामकाज

निविदेस मान्यता देणेबाबत.

अ. क्र	टॅंडर आय डी	डर आय डी काम		2.9	अंदा	जेत खर्च	निविदाधार	कार्च नाव
1	2		3			4	5	
1.	1050627_1	वर्सोवा ब्रिज ते घोडबंदर विकसीत करणे. (मुलभुत योजना)			रु.1,21,9	8,38,909/-	मे. एन.ए.कंस्ट्रक्शन प्रा.लि	
SI. No.	Iten	n Description	Quantity	Units	Quated Rate		Final Negotiat Amount	
					Rate	Total Amount	Rate	Total Amount
1,1		zer D 80 A 12 (Medium aling of various structure ite.	147.00	Hr	3480	511560.00	3405	500535
1.2	thorney shrub and alike gras	es for removing grass, s, Jungli shrub, Kubabul s along roadside making ean by showel and complete.	37982.00	Sqm	8.00	303856.00	8	303856
1.3	soil of all type murum, inclu- excavated ma of 50 m. bey and stacking directed, dew bed for the necessary bac watering inclu- strutting etc. of m.) By Mech-	r foundation in earth, es, sand, gravel and soft ding removing the aterial up to a distance yond the building area and spreading as vatering, preparing the foundation and k filling, ramming, ading shoring and complete. (Lift upto 1.5 anical Means	14946.75	cum	180.00	2630628.00	176	2630628
1.4	Item No.4 Excavation f murum include excavated mu 50 metres be and stacking directed, dew bed for the necessary ba watering inc strutting etc. 1.50 m) By	or foundation in hard ling removing the aterial upto distance of eyond the building area and spreading as atering, preparing the foundation and ck filling, ramming, luding shoring and complete. (Lift upto Mechanical Means	3557.61	cum	180.00	626139.36	176	626139.36
1.5	Item No.5 Excavation for rock by manu removing the distance of 50 area, stacking directed inclu provided else for the found backfilling, r complete inc strutting. (L	or foundation in hard nal means inclucing excavated materials upto 0 m beyond the building g and spreading as nding dewaiting under where preparing the bed ation & necessary emaining, watering luding shorting & ift up to 1.5M) Hard Rock al means with hydraulic	921.30	cum	1250.00	1126749.90	1223	1126749.9

	excavator & rock						
	breaker.etc.complete.BDA 1 to 4 page No.259 Pg no 7		1				
.6	Item No.6 Removing sand/ muck/ slush/ soil bellow low tide level to the specified section from navigation channel as per the area and depth upto 3.00 m from	y y	C BERN	e unț	-		
	sea bed by mechanicel means with, hyderaulic excavator, etc. and barge for establisment all machinery with all			525.00	3296025.00	514	3296025
	required tools and equipments, boat for conveying excavetd material, including removing the excavated materials with all lift and leads as directed beyond high tide	6412.50	cum	525.00	3290023.00	514	3290023
	level line of water stacking spreading or disposing, dewatering if required unless otherwise provided else where complete under tidal condition.						
1.7	Item No.7 Transporting of excavated/Dismantled materialslead 20 K.M.	19989.76	cum	500.00	9774992.64	489	9774992.64
1.8	Item No.8 Filling in Plinth & Floors with Approved Excavated materials in 15 to 20 cm layers including watering and compaction complete. BDA 10 Pgno 262	13926.94	cum	110.00	1504109.52	108	1504109.52
1.9	Item No.9 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	55280.39	cum	1000.00	54064221.42	978	54064221.
2.0	Item No.10 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	11967.33	cum	2500	29272089.18	2446	29272089.
2.1	Item No.11 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 5.0 to 9.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary).	4000.00	hour	200.00	784000.00	196	784000
2.2	Item No.12 Providing and laying Cast in situ/Ready Mix cement concrete in M- 10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water,						
	formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural	2682.90	cum	6500.00	17063244.00	6360	17063244
2.3	sand Item No.13 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/granite/ quartzite/ gneiss metal for steps including steel	930.09	cum	7500.00	6825000.42	7338	6825000.4

	centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
2.4	Item No.14 Providing and laying Cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks, laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade)	396.30	cum	8500.00	3295630.80	8316	3295630.8
2.5	Item No.15 Providing and laying Cast in situ/ Ready Mix cement concrete M-40 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks, laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade)	504.22	cum	9000.00	4440161.32	8806	4440161.32
2.6	Item No.16 Providing and laying Cast in situ/Ready Mix cement concrete in M- 25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand. Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38 Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for	63.45	cum	11500.00	713939.40	11252	713939.4

	R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
2.7	Item No.17 Providing and laying Cast in situ/Ready Mix cement concrete in M- 25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand	219.61	cum	14500.00	3115607.07	14187	3115607.07
2.8	Item No.18 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	26.97	cum	14500.00	382623.39	14187	382623.39
2.9	Item No.19 Providing and laying in situ / ready mix M-35 cement concrete of trap /granite/quartzite/ gneiss metal for cast in citu R.C.C. solid piers,column etc . including provision of V shaped false joints to form suitable panels on the faces to approve design with compacting by vibrating and curing complete. Including plywood/steel formwork, centering ( excluding dewatering by means of pump) and including bailling out water and including CM 1:3 curing complete. a) Height upto 5 M. (With Concrete Mixer) i) Height up to 5 m, normal rate. ii) Height 5 to 7.50 m, add 5 percent	547.81	cum	11000	5895531.22	10762	5895531.22

			1	1	1	1	
	extra over basic rate. iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent extra for every 2.50m rise with fine						
	agreegates of required specifications ( VSI sand finely washed etc )						
3.0	Item No.20 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	164.70	cum	14500.00	2336598.90	14187	2336598.9
3.1	Item No.21 Providing and laying cast in situ / ready mix M35 RCC for 1000 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawal of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc )	660.00	Rmt	11000.00	7102920.00	10762	7102920
3.2	Item No22 Providing and laying cast in situ / ready mix M40 RCC for 800 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawal of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc) Height10-15m	4350.40	Rmt	16500.00	70232857.60	16144	70232857.6
3.3	Item No23 Extra for Chiselling in hard rocks including removing and stacking the loose material and disposing the	569.40	RMT	2500.00	1392752.40	2446	1392752.4

	unserviceable materials as directed etc. complete.A) With Concrete Mixer iv) 1000 mm dia						
3.4	Item No24 Providing, placing and driving in position 6mm thick permanent MS liner up to required depth with 12 mm thick MS cutting edge of 0.50 meter length of bottom including fabricating, cutting the MS sheet to required diameter and shape, welding the joints and driving with the help of required machineries, all materials, labour and lift etc. complete. (Excluding steel reinforcement)	735.93	MT	106000.00	76323300.30	103710	76323300.3
3.5	Item No25 Chipping and dressing of the R.C.C. piles upto 0.60 meter including cleaning reinforcement and removal of dismantled materials upto a distance of 50 meter beyond the building area etc. for providing pile caps. (Excluding steel reinforcement)	229.00	Nos	700.00	156865.00	685	156865
3.6	Item No26 Providing and laying in situ M40 controlled cement concrete of trap/ granite/ quartzite/ gneiss metal for PSC work in solid/ deck slab etc. including ramming, vibrating, curing, formwork, centering and finishing in cement plaster excluding reinforcement etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with natural sand) i) Height up to 5 m, normal rate. ii) Height 5 to 7.50 m, add 5 percent extra. iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent extra for every 2.50m rise.	2358.00	Cum	12000.00	27685278.00	11741	27685278
3.7	Item No27 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	141.92	cum	8500.00	1180206.72	8316	1180206.72
3.8	Item No28 Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels,	1161.51	MT	92000	104550999.6 3	90013	104551000

	chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.						
3.9	Item No29 Providing and fixing in position to the exact profile and prestressing the high tensile strands to specified ultimate strength, standard end anchorages, cable ducts, grouting ducts after prestressing and bearing plates with wedges as per detailed drawings including necessary plant and machinery for prestressing etc. complete.	86.03	MT	175000.00	14730056.60	171220	14730056.6
4.0	Item No30 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on un exposed faces and watering etc.complete.	1976.37	cum	7000.00	13536158.13	6849	13536158.1
4.1	Item No31 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc.complete.	878.48	cum	7350.00	6317149.68	7191	6317149.68
4.2	Item No32 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc.complete.	135.65	cum	12000.00	1592666.65	11741	1592666.65
4.3	Item No33 Providing & fixing G.I. wire Gabions coated with Zinc+PVC of required size, section including boxes made of mechanically woven hexagonal shaped wire mesh of type, 10x12cm. edges mechanically selvedged made of heavily (Zinc+ PVC) coated G.I. wires as per BS: 443, mesh wire 3.00 mm Ø edge wire 3.9 mm Ø and filled with 20 to 50 kilogram weight trap stones including conveying with all the leads & lifts and placing at required places in required line, level, slope as per drawing, section as directed etc. complete under tidal conditions. a) Gabions of size – 1.00 x 1.00 x 1.00 M	4395.00	cum	4820.00	20726820.00	4716	20726820
4.4	Item No34 Providing 100mm diameter GI water spouts as per detailed drawings in RCC slab and wearing surface / kerb etc. complete.	340.00	Nos	2500.00	831640.00	2446	831640

4.5	Item No35						
	Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete. (To be executed with prior approval of Superintending Engineer)	1570.95	cum	2850.00	4379808.60	2788	4379808.6
4.6	Item No36 Providing and laying CE Marked Needle Punched and Mechanically Bonded Non-Woven Geotextile (TechGeo) indigenously manufactured from high quality polypropylene staple fibres (continuous filament will not be accepted) of Techfab India on the prepared subgrade for separation, drainage & filtration application with necessary overlaps as per drawing etc. complete. (Specification: MORTH Section-700 ) with prior approval of concerned Superitending Engineer. c) TFI TECHGEO PR-30 Item No37	4320.00	Sqm	180.00	760320.00	176	760320
4.7	Item No37 Supplying Hot Rolled steel sheet piles having properties described in respective specifications or/ and shown in drawings (Z or U type with sectional modulus of minimum 2500 cm3, steel grade S430 GP with minimum yield strength of 430 MPa, minimum thickness 12.0 mm thickness, with Larssen interlocks and applying recommended sealant for complete watertightness (if required) & using suitable corner sections as per site condition) .Installing the same to line and level including making reformed steel sheet piles at required positions as corners, junction, wedges etc. as per approved drawing and specification in single or group jointing by welding properly, installing vertically along the alignment with the help of equipments like air compressors, excavator mounted / crane mounted vibro hammers / Impact Hammers / Hydraulic Pressing Hammers / vibrating drives powered by electric or hydraulicmotor or combination of both based on the site requirements through thegrooves to interlock together, wedges to make up for the permissibledeviation of piles from the plumb lines caused during pile driving, slippedpiles with the adjacent ones are found or loosened or dislocated duringor after installation , sheet piles shall be pulled out and replaced withnew ones or redone including necessary modification to the sheet pile tosuit the grove of existing sheet piles , including cost and conveyance ofall materials, hire charges of equipments, hire charges of crane/rigs, costof electrodes, mobilisation and demobilisation charges, all labour, otherincidentals etc complete. ( No extra payment shall be made for cost ofextraction and replacement for installing of sheet pile deviating thespecification or rejected by Engineer -in-charge. The rate is inclusive ofproviding guide frames,	420.00	Sqm	14050	5773740.00	13747	5773740

				1			
	cost of installation pit, formation and						
	removal ofearthen bund etc.).						
	Payment shall be made on actual						
	depth of sheet pileinstallation.						
4.0							
4.8	Item No38						
	Supplying Hot Rolled steel sheet piles						
	having properties described in						
	respective specifications or/ and						
	shown in drawings (Z or U type with						
	sectional modulus of minimum 2500						
	cm3, steel grade S430 GP with						
	minimum yield strength of 430 MPa,						
	minimum thickness 12.0 mm						
	thickness, with Larssen interlocks and						
	applying recommended sealant for						
	complete watertightness (if required)						
	& using suitable corner sections as per						
	site condition) .Installing the same to						
	line and level including making						
	reformed steel sheet piles at required						
	positions as corners, junction, wedges						
	etc. as per approved drawing and						
	specification in single or group						
	jointing by welding properly,						
	installing vertically along the						
	alignment with the help of equipments						
	like air compressors, excavator						
	mounted / crane mounted vibro						
	hammers / Impact Hammers /						
	Hydraulic Pressing Hammers /						
	vibrating drives powered by electric or						
	hudroulie meter or combination of						
	hydraulic motor or combination of	020.05	C	1 (000 00	14600202.20	1	146000000
	both based on the site requirements	938.95	Sqm	16000.00	14698323.30	15654	14698323.3
	through the grooves to interlock						
	together, wedges to make up for the						
	permissible deviation of piles from the						
	plumb lines caused during pile						
	driving, slipped piles with the adjacent						
	ones are found or loosened or						
	dislocated during or after installation,						
	sheet piles shall be pulled out and						
	replaced with new ones or redone						
	including necessary modification to						
	the sheet pile to suit the grove of						
	existing sheet piles, including cost						
	and conveyance of all materials, hire						
	charges of equipments, hire charges of						
	crane/rigs, cost of electrodes,						
	mobilisation and demobilisation						
	charges, all labour, other						
	incidentals etc complete. (No extra						
	payment shall be made for cost of						
	extraction and replacement for						
	installing of sheet pile deviating the						
	specification or rejected by Engineer -						
	in-charge. The rate is inclusive of						
1	providing guide frames, cost of						
	installation pit, formation and removal						
	of earthen bund etc.). Payment shall						
							1
	of earthen bund etc.). Payment shall						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation.						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 /						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing						
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required	168.00	Sam	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels,	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve	168.00	Sqm	1400.00	230160.00	1370	230160

	of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper,other incidentals etc complete.(Rate quoted shall includes supplying,fabricating, drilling holes and fixing waling channels to SSP only ,cost ofaccessories such as connecting plates, bolts & nuts etc ).						
5.0							
5.0	Item No40 Design and engineering, supply and fixing of tensile membrane of high tensile strength, primary and secondary steel, hardware and accessories, including the fabrication of steel structure made out of MS structural steel tubular section of high yield strength as per relevant IS codes. The tensile membrane roof cover shall be of PVC coated polyester composite membrane of approved make and quality including membrane cutting, seaming and HF welding as per manufacturer standards. The membrane shall be fixed to MS structural members with necessary SS plates, lugs, clamping plates as required. The membrane shall be stretched and tensioned as per the design approved. The Membrane shall be flame resistant, fungicide finish, high tear out force and continued tear out force, well wieldable, good UV resistance, high water pressure resistance and very low maintenance.	360.00	Sqm	7000.00	2465640.00	6849	2465640
5.1	Item No41 Design Conceptualisation & painting 3D artwork on any surface at all height and locations as directed.	7704.00	Sqm	1000.00	7534512.00	978	7534512
5.2	Item No42 Providing and Installing water fountain of 3 M dia with below sepcification wall should be of brick wall of0.45 m width and 0.9 m ht above ground and cladded with granite tiles. Inner area with wall and flooring should be waterproffed inner area wall and flooring should be done with premimum glass mosaic tiles. Electricals wire of 4 core 16 sqmm and submisserble pump of 7 HP with all necessary fitting and control panel (Including Glow lighting ) Main sculpture as shown in dwg in GRC and other small sculpture of any animal in GRC.Plumbing work with all necessary fittings of pipe and nozzle etc complete as directed by Engineer-In-Charge (With 5 Years of Maintenance)	2.00	Each	250000.00	4892000.00	2446000	4892000
5.3	Item No43 Supplying and laying of high strength flexible geogrids (HSFG) as soil reinforcement / basal reinforcement made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength	21600.00	Sqm	500.00	10562400.00	489	10562400

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	(LTDS) indicated below for 120 years design life at 20 degreeC. The LTDS should be strictly based on reliable test data and performance data available with the manufacturer from accredited independent agency certifying the Reduction Factor (RF) value for their geogrid for design temperature. The geogrid manufacturer should have creep test data from independent accredited laboratory for period over 5 years and should have minimum roll width of 4.5m with core of MS steel tube convenient for handling and lifting work as per detailed specification all complete as per directions of Engineer in charge. (Reference MoRT&H 3100 & IRC 113).High strength geogrid of Long Term Design Strength 59.5 kN/m						
5.4	Item No44 Providing and casting in C.C. M-25 for pier protection as per detailed drawing complete as specified and directed	1176.00	Rmt	6000.00	6903120.00	5870	6903120
5.5	Item No45 Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in Half brick thick wall including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972)	415.30	Sqm	1000.00	406163.40	978	406163.4
5.6	Item No46 Providing waterproof plaster in W.C. and bath 20 mm thick for dado in CEMENTmortar 1:3 with neat finishing, floating using approved waterproofing compound of IS Std. at the rate of one kg per 50 kg of CEMENTetc. complete.Spec.As directed by Engineer-In-Charge.	527.40	Sqm	600	309583.80	587	309583.8
5.7	Item No47 Providing vee pointing with cement mortar 1:3 for stone /Brick masonry including scaffolding and curing etc. complete	4457.60	Sqm	200.00	873689.60	196	873689.6
5.8	Item No48 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	3051.78	Sqm	600.00	1791394.86	587	1791394.86
5.9	Item No49 Providing and applying laying Aggregate plaster in granite / marble stones, as decorative finish to give granite / marble like appearance to concrete, brick or block surfaces in all position	589.05	Sqm	2500.00	1440816.30	2446	1440816.3

	including preparation of surface smoothly, evenly by racking of joints in case of Brick or block work including backing layer of 12 mm thick with cement mortar 1:3 with 2% integral cement water proofing compound, roughening for wall keying hardening and drying the surface for a minimum five days gaps including second coat of cement lime mortar into a proportion 1:4 preparing the surface for three coat of marble finish plaster giving a thin coat of white cement and two parts of course calcite powder, applying the mortar with steel float on the surface in proper evenness applying at coat of white cement and lime to set a smooth finish then applying a thin coat of slurry made of white cement and black oxide colour in required proportion by the steel float to get black streaks on the surface and curing the surface for two days including all materials and labour etc. complete.						
6.0	Item No50 Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including leaning, preparing the plaster surface, applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete. NOTE:ForItem Number 15 to 18 prior approval of Superintending Engineer will be necessary	182.40	Sqm	300.00	53625.60	294	53625.6
6.1	Item No51 Providing and applying two coats of protective membrane over the cured concrete surface like R.C.C. footings, columns, plinth beams etc. which will be submerged under soil so as to protect the same. Apply two pack coal tar epoxy system of Sunepoxy Coaltar of approved make & approved by Engineer in charge, having solid content ranges from 80-100%, Tack free time 4-6 hrs. Recoat after 16-24 hrs. Mix Part A and Part B of Sunepoxy Coaltar of approved make & approved by Engineer in charge in 1:1 ratio with slow speed stirrer and apply the same on a clean R.C.C. surface by brush. Allow to set for 8-10 hours and apply the second coat. The rate to include for application at all levels to various RCC elements to the satisfaction of the EIC etc. complete	15837.81	Sqm	325.00	5036423.58	318	5036423.58
6.2	Item No52 Providing and fixing fenders made from used tyres including fixing by stainless steel chain links of 8mm dia. and anchor bolts of 16 mm diameter etc. complete as per drawing and as directed under tidal range.	53.00	Nos	2600.00	134832.00	2544	134832
6.3	Item No53 Providing and fixing stainless steel mooring ring in cement concrete on deck of jetty consist of 32 mm thick steel bar, 225 mm inner diameter, steel ring with 75 mm inner diameter steel hook of 32 mm diametre as per	12.00	Nos	11000.00	129144.00	10762	129144

	approved drawing etc. complete. (Stainless steel of grade S-304)						
6.4	Item No54 Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)	5.00	Nos	19500.00	95395.00	19079	95395
6.5	Item No55 Providing and applying one coat of two component, anti-corrosive, solvent free, substituted long chain nylon reticulant based epoxy coating / primer. Cleaning the existing steel surface by mechanical means such as sand blasting, wire brushing and other mechanical means so as to remove all the existing loose rust etc.Apply the coats by brush or spray at 4-6 hours interval between each coat complete as directed by the Engineer in charge.	10620.27	Sqm	650	6754491.72	636	6754491.72
6.6	Item No56 Providing and laying telephone black / Amba White / Cadburybrown / RBI red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc. complete. Specifications: Bd. M. 12 Spec. No.: As directed by Engineer- In- Charge	4.20	Sqm	4200.00	17257.80	4109	17257.8
6.7	Item No57 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.	8.40	Sqm	7800.00	64108.80	7632	64108.8
6.8	Item No58 Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. Spec.No. : As directed by Engineer In Charge	3.15	Sqm	3500.00	10785.60	3424	10785.6
6.9	Item No59 Providing and fixing in position anodised (as per IS 1868/1982) Aluminium fixed staggered (Z Type) Ventilator with aluminium rectangular pipe 63 mm x 38.10 mm x 1.22 mm at weight 0.650 Kilogram/One Running Metre, Aluminium angle of size 15 mm x 15 mm x 1 mm,aluminium channel of 9 mm sizes, S.S.mosquito net of 304 Grade,4 mm thick float glass per detailed drawing and as directed by Engineer in charge etc.complete.	0.72	Sqm	4200.00	2958.48	4109	2958.48

7.0	Item No60 Providing and laying polished hand cut Kotah Stone flooring 25mm to 30mm thick and 45cm to 55cm wide in plain/diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning	4284.00	Sqm	1500.00	6288912.00	1468	6288912
7.1	complete. Item No61 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.	182.40	Sqm	1350.00	240950.40	1321	240950.4
7.2	Item No62 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown /RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. Skirting Spec.No. : Bd. M.22 B/Page No. 390	146.66	Sqm	4200.00	602625.94	4109	602625.94
7.3	Item No63 Providing and Laying factory made coloured chamfered edge Cement concrete grass paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine fine aggregate (natural sand/crushed sand VSI grade finely washed etc.), compacting and proper embedding/laying of inter locking paver blocks into the fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) bedding layer through vibratory compaction by using plate vibrator, filling the joints with fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and cutting of paver blocks as per required size and pattern, finishing and sweeping extra fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and complete as per manufacturer spsecifications & direction of Engineer-in-Charge. 60mm thick CC paver block of M-35 grade concrete with approved colour and design & pattern.	404.39	Sqm	750.00	296822.26	734	296822.26
7.4	Item No64 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 16 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete. with prior approval of concerned Superitending	8444.00	Sqm	2450	20240268.00	2397	20240268

7.5	Itom No 65						
7.5	Item No65 Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and Risers 12 mm thick, required width and required finish in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.	76.50	Sqm	3760.00	281443.50	3679	281443.5
7.6	Item No66 Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. a) One side polish	1403.00	Sqm	1350.00	1853363.00	1321	1853363
7.7	Item No67 Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment)of the approved brand and make and specified colour for outdoor floors such as footpath, courtyard, multimodals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per direction of engineer in charge	252.45	Sqm	1200.00	296376.30	1174	296376.3
7.8	Item No68 Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	5687.00	Sqm	525.00	2923118.00	514	2923118
7.9	Item No69 CAST IN SITU SAFETY RUBBER FLOORING SYSTEM WITH including 20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule absolute thickness =25mm .(as per drawing attached) etc. including VAT, tax complete. Manufacturers warranty is 5 years.	125.00	Sqm	4700.00	574750.00	4598	574750
8.0	Item No70 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, includingcleaning, curing etc. complete.	95.00	Sqm	3760.00	349505.00	3679	349505
8.1	Item No71 Providing&fixing in position 20 +/- 2mm thick machine cut, mirrorpolished, 1st quality granite cladding such as black galaxy or approved equivalent in lift lobby / passage installed in approved pattern	446.40	Sqm	4800.00	2096294.40	4696	2096294.4

	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.)						
8.2	Item No72 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm thick bed as required line, level, shape and size as instructed by Engineer incharge. Item including color pigments, lead lift, curing, cutting, all material and labour with wastage etc. complete all	45.00	Sqm	1850.00	81450.00	1810	81450
8.3	Item No73 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant	6154.02	Rmt	520	3132396.18	509	3132396.18
8.4	Item No74 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant	605.07	Rmt	850.00	503418.24	832	503418.24
8.5	Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete, and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN TICHIV STYLE	1305.00	Sqm	6500.00	8299800.00	6360	8299800
8.6	Item No76 Newasa Basalt stone for wall 15 cm thick : Providing and fixing Newasa Basalt stone for wall 15 cm thick( Two line dressed stone of size 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtr, cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar ) in 1:1 Cement mortar in super structure including striking joints and watering	582.72	Sqm	8000.00	4560949.44	7827	4560949.44

	complete to the entire satisfaction of the architect (Ashlar Masonary in tichiv style )						
8.7	Item No77 Ashlars fine stone coping : Providing, supplying & fixing ashlars fine stone coping of size 320 mm long, 500 mm width & 150 mm thick in cement mortar 1:3 including pointing in Cement slurry, raking joints, curing, loading & unloading etc. complete. (Including Scaffolding)	142.60	Rmt	7000.00	976667.40	6849	976667.4
8.8	Item No78 Stamp Concrete of 100mm Thickness - Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make pover, compacted and finished in a continous operation, finishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5kg per sqm. Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable,30 % solids clear sealer @ 150 to 250 gms per sqm using surface roller and protecting from falling dust,dirt and curring by curring compound / by providing cement vata in cement Mortor 1 :8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superinteding Engineer will	3420.00	Sqm	1750.00	5855040.00	1712	5855040
8.9	Item No79 Providing leather finished polishing to Granite Stone slab by continuous grinding in 4 coats of different bits to receive rough and matt finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	7167.50	Sqm	825.00	5784172.50	807	5784172.5
9.0	Item No80 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints,	7167.50	Sqm	3760.00	26369232.50	3679	26369232.5

	pointing in C.M. 1:3 curing and cleaning etc. complete.						
9.1	Item No81 Fixing 40 to 50mm thick Natural Shahabad Kerbing of 600 x 600mm with 75mm thk. in 1:3:6 P.C.C. bed, and filling joints with 1:3 cement mortar, including lead, lift within garden, cutting, curring, etc complet (excluding P.C.C.)	92.40	Sqm	135.00	12196.80	132	12196.8
9.2	Item No82 Item No82 WOODEN FINISH PAINTING OF EXISTING WOODEN FINISH TEXTURED SURFACE CEMENT CONCRETE BENCH including any material, machinery, scaffolding etc. complete. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including cement, Sand, chemical, adhesive, chikenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge.	826.90	Sqm	1650	1334616.60	1614	1334616.6
9.3	Item No83 Providing, aupplying, fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and sg=hade on top face and polymer (service) coating of bottom face as specified using stainless steel screws, nuts, bolts, washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)	456.43	Sqm	4500.00	2009661.29	4403	2009661.29
9.4	Item No84 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed design and drawings or as directed by Engineer- In-Charge., including cutting, fabricating, hoisting, erecting fixing in position, making riveted/bolted/welded connection and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. Spec. No.: Bd.C.8 Page No. 278	249.67	MT	120000.00	29313255.36	117408	29313255.4

9.5	Item No85						
	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.	175.00	Rmt	3000.00	513625.00	2935	513625
9.6	Item No86 Providing and Fixing mat finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing, fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior approval of sample and brand by Ex.Engineer is necessary before use)	2856.22	Rmt	3850.00	10759380.74	3767	10759380.7
9.7	Item No87 Providing and fixing 50 mm. dia. medium class G.I.pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete.	239.40	Sqm	6500.00	1522584.00	6360	1522584
9.8	Item No88 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.	249.48	Sqm	2500.00	610228.08	2446	610228.08
9.9	Item No89 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters . Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site foundation and remedies.	10.00	Sqm	36500.00	357120.00	35712	357120
10.0	Item No90 Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentiDeleted ire 0.75 mm dia ) with hot dip and G.I. coated hooks as per drawing supported on M.S.	1210.00	Rmt	1100.00	1301960.00	1076	1301960

	angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete.						
10.1	Item No91 Providing and constructing Brick Masonry Inspection Chamber 60 cm x 45 cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W. pipes, Brick Masonry, plastering from inside and airtight 75mm thick R.C.C. cover medium duty 100Kilogrametc. complete.	12.00	Nos	10000	117408.00	9784	117408
10.2	Item No92 Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W.pipes,Brick Masonry,plastering from inside and airtight with 75 mm thick R.C.C. cover medium duty 140Kilogrametc. complete.	12.00	Nos	11000.00	129144.00	10762	129144
10.3	Item No93 Providing and constructing Ductile Iron circular manhole 45 cm dia. At top 90 cm at bottom up to 1.80 meter to 2.70 meter depth including excavation, laying 1:4:8 cement concrete bedding 15 cm thick burnt brick mansonry with 1:1 cement mortar plaster 25 mm thick inside and outside 20 mm (1:3) ductile iron heavy type cover with ring 125Kilogramin weight. High strength. More life and Durability, Good Antiskid Grip, Suitable to heavy theatric loading, Light weight casting after cost benefits for Transportation Refilling etc. as per requirement. with prior approval of concerned Superitending Engineer.	28.00	Nos	12000.00	328748.00	11741	328748
10.4	Item No94 Providing and laying salt glazed stone ware pipe of 100mm diameter including fittings such as bends, tees, single junction, double junction, laying, jointing including excavation and refilling trenches complete. BDV39 Page No.573	3.00	Rmt	400.00	1173.00	391	1173
10.5	Item No95 Providing and fixing 25mm dia screw down wheeled stop tap of steel with chromium plating of approved quality and make bearing ISI mark, including sockets uion nut complete. BDV 9 Pgno 555,	2.00	Nos	1500.00	2936.00	1468	2936
10.6	Item No96 Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend,connectingpiece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete ( Prior approval of sample and brand by Ex. Engr. is necessary before use)	4.00	Nos	650.00	2544.00	636	2544
10.7	Item No97 Providing and fixing white wash basin with half pedestal of size 515mmX615mmX460mm including pillar cock auto-closing system CP	2.00	Nos	13000.00	25438.00	12719	25438

	angular stop cock long thread of approved make continental including S.S. bottle trap of necessary pipe connection upto the outside face of the wall.						
10.8	Item No98 Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete Spec. No.: As directed by Engineer in charge.	10.00	Nos	1000.00	9780.00	978	9780
10.9	Item No99 Providing and fixing Wall Mounted European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 liter enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia.UPVC overflow pipe, mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use)	2.00	Nos	13500.00	26416.00	13208	26416
11.0	Item No100 Providing and fixing on walls/ ceiling/ floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BD.V 5 page 551 and as directed by	490.00	Rmt	350	167580.00	342	167580
11.1	Engineer in charge Item No101 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BD.V 5 page 551 and as directed by Engineer in charge	320.00	Rmt	400.00	125120.00	391	125120
11.2	Item No102 Providing and fixing on walls/ ceiling/ floor 32 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BDV 5 page 551 and as directed by Engineer in charge	120.00	Rmt	450.00	52800.00	440	52800
11.3	Item No103 Providing and fixing on walls/ ceiling/ floor 50 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.	631.00	Rmt	800.00	494073.00	783	494073
11.4	Item No104 Providing and laying in trenches 80 mm dia medium grade having embossed as ISI Mark galvanised iron pipes of 8.57 kg/meter necessary fitting remaking good the demolished portion with filling trenches and with primer of anti-corrosive oil paint , 2 coats complete. B)Heavy Type Spec. No.: Bd.V.5 Page No. 551	750.00	Rmt	1250.00	917250.00	1223	917250
11.5	Item No105 Providing and laying in trenches 100 mm dia. medium grade having embossed as ISI Mark galvanised iron pipes of 12.43 kg/meter necessary fitting remaking good the demolished	2040.00	Rmt	2000.00	3992280.00	1957	3992280

			1	1	I	1	
	portion with filling trenches and with primer of anti-corrosive oil paint, 2 coats complete. B)Heavy Type Spec.						
	No.: Bd.V.5 Page No. 551						
11.6	Item No106						
	Providing and laying concrete pipes of						
	I.S.NP. class of 150mm diameter in						
	proper line, level and slope including	250.00	Rmt	525.00	128500.00	514	128500
	necessary collars, excavation, laying,						
	fixing with collars in cement mortar						
	1:1 and refilling the trench complete.						
11.7	Item No107 Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, inluding fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent CEMENTand properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc.complete. (The contractor shall give 3 yrs guarantee bond for payment) Spec. No.: As directed by	20.00	Rmt	1500.00	29360.00	1468	29360
11.8	Engineer in charge Item No108 Providing and fixing 80 mm.dia.						
	screw down wheeled stop tap of steel with chromium plating of approved quality and make bearing I.S.I. mark, including sockets, union nut complete.	20.00	Nos	4300.00	84140.00	4207	84140
11.9	Item No109						
11.9	Providing and fixing 100 mm dia.						
	Chromium plated brass showers rose	20.00	Nos	550	10760.00	538	10760
	to 15 mm dia. Supply pipe including	20100	1100	000	10,00000		10700
	necessary bend and socket complete.						
12.0	Item No110			1			
	Providing and fixing 100mm diameter						
	water meter with non-return valve						
	including strainer, sockets/ union nut	29.00	Nos	40000.00	1134944.00	39136	1134944
	and including water meter box						
	making locking arrangements and						
12.1	lock. [Without chamber]. Item No111						
12.1	Providing and fixing C.P. Two way						
	BIB cock of approved make	4.00	Nos	1600.00	6260.00	1565	6260
	continental including necessary						
	sockets/union nut etc. complete.						
12.2	Item No112						
	Providing and fixing C.P. BIB cock						
	with wall flange of approved make	29.00	Nos	1200.00	34046.00	1174	34046
	including necessary sockets/ union nut						
	etc. complete.						
12.3	Item No113						
	Providing and fixing C.P. pillar cock	0.00	<b>N</b> T	1750.00	2424.00	1510	2424
	long neck with aerator of approed	2.00	Nos	1750.00	3424.00	1712	3424
	make including necessary						
12.4	sockets/union nut etc. complete. Item No114				 		
12.4	Providing and fixing 15 mm diameter	2.00	Nos	1100.00	2152.00	1076	2152
		2.00	INUS	1100.00	2152.00	10/0	2152
	Providing and fixing 15 mm diameter PVC Aqua kraft type of approved	2.00	INOS	1100.00	2152.00	1076	21

	make super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete						
12.5	Item No115 Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete.	2.00	Nos	350.00	684.00	342	684
12.6	Item No116 Providing and fixing C.P. wall mixer with provision for overhead shower with 115 mm long bend pipe and wall flange of approved make including necessary sockets/ unionnut etc.complete.	2.00	Nos	4850.00	9490.00	4745	9490
12.7	Item No117 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythyler and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres Spec. No.: As directed by engineer-in- charge.	11000.00	Ltr	10.50	110000.00	10	110000
12.8	Item No118 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite/ Amba White/ Catbarybrown /RBIred /OceanBrown granite stone partition with full moulding the edges etc. complete . Both side polish	6.00	Sqm	3760	22074.00	3679	22074
12.9	Item No119 Providing and fixing White Glazed Earthenware full stall type Urinal with P.V.C. flushing cistern of 5 liters capacity with fitting, inlet pipes and stop tap, brackets for fixing the cistern, 32 mm dia. P.V.C flush pipe with fittings and flushing arrangement including lead soil pipe, lead trap, soil pipe connectionup to the outside face of the wall	2.00	Nos	10500.00	20546.00	10273	20546
13.0	Item No120 Providing and fixing reinforced cement concrete cover of size 90cmx 45cm with frame over inspection chamber etc. complete. Medium duty (140 Kilogram)	112.00	Nos	5200.00	569856.00	5088	569856
13.1	Item No121 Providing and Supplying Biodigester Tank as per the specification and guideline set by DRDO for tank of 2 cum capacity having FRP tank with two baffle plates. Total 3 compartments with inlet and out let connections Recharged with 400 Liter inoculums and inbuilt with immobilization Matrix. Thickness of tank should be 3mm, Partition 3 with metal reinforcement, with inititing and supervising the operation of the tank and transport upto work site etc complete.	2.00	Nos	135000.00	264168.00	132084	264168
13.2	Item No122 Garden Soil :- Supplying on site garden soil well sieved 90% to pass through I.S. sieve of 10mm size free trom stones, rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The	1951.66	Cum	1650.00	3149979.24	1614	3149979.24

13.6	maintaining till 30 days by watering, weeding, clipping, rolling etc. complete. Item No126 Preparing Shrubbery:- Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, levelling, watering, on previous night. Planting well- rooted shrubs 0.5 Mtrs.apart as directed and maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	2250.86	Sqm	725.00	1595859.74	709	1595859.74
13.5	Item No125 Preparing Lawn (30 Cm depth):- Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms.Mixing garden soil and manure thoroughly well, levelling, watering on previous night. Planting required variety of lawn grass as directed and	1290.34	Sqm	950.00	1198725.86	929	1198725.86
13.4	Item No124 Preparing instant Lawn:- Excavating the ground to a required depth of 20cms, removing & conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 20cms.Mixing garden soil and manure thoroughly well, levelling, watering on previous night. Planting required variety of lawn grass as directe and maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	1773.34	Sqm	850.00	1475418.88	832	1475418.88
13.3	box. (Farma) Item includes royalty charges, octroi, corporation tax, Transporting, loading-unloading etc. (Lead charges per 90km are considered.) Item No123 Farm Yard Manure :- Supplying on site well-decayed, well-dried, well- powdered, without clods and free from stones, dried grass and other rubbish material. The color of the soil generally is black. The manure will be measured by measuring box. (Farma). Item includes Transporting, loading- unloading etc. (Lead charges per 50km are considered)	650.55	Cum	1650.00	1049987.70	1614	1049987.7
	color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty						

Notice in a 13 propertion. Marking and a manuer throughly where sight. Fluiding more or throe year old, unitaring the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the 11 bit of physical science of the								
<ul> <li>well, leveling, as directed, watering previous of three sophing apert specifications. Maintaining dil 30 deptily verse of the specifications. Maintaining dil 30 deptily verse softing apert specifications. Maintaining dil 30 deptily verse softing apert specifications. Maintaining dil 30 deptily verse.</li> <li>13.8 Item No128</li> <li>Preveding and Fixing, Listellation of Drip and Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with System Xara 2000. Sprinkler, Filters, Papers with all fitting approved with Engineer-Incharge and the State 2000. Nos. 250000.00 195680.00 244600 1956800</li> <li>14.0 Item No130 The Trans 2000. Sprinkler See See See See Sec Sec Sec Sec Sec Sec</li></ul>		soil & manure in in 3:1 proportion.						
previous night. Planting two or three year of during as per specifications. Mantining till 10 days by watering, weeding, clipping, roling ecc. complete in gardens having a negative specifications. Mantining till 20 days by watering, weeding, clipping, in gardens having area above 5000 kp. Met. Include Sripks, Erington system in gardens having area above 5000 kp. Height and Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Specification Spec								
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14.1       Item No131       Providing and fixing Multi Seater See Saw with all fitting as approved with Engineer. In-Charge       4.00       Nos       50000.00       195680.00       48920       195680         14.2       Item No132       Providing toilet of 4 units of 0.0° f1.2M size of 1 unit with all necessary fittings such WC Wash basin overhead tank for 61100 It for each Type of WC : European with cernario base. Water facility: By mean of councetion from rmain line, Bottom frame material: 35mm X 35mm X 5mm(thick) MS angle. Topfcrof) support frame material: 35mm X 35mm X 5mm(thick) MS angle. Topfcrof) support frame material: 35mm X 25mm X 3mm(thick) MS angle. Topfcrof) support frame material: 35mm X 35mm X 5mm(thick) MS angle. Topfcrof) support frame material: 35mm X 35mm X 5mm(thick) MS angle. Topfcrof) support frame material: 35mm X 25mm X 3mm(thick) MS angle. Topfcrof) support frame material: 35mm X 25mm X 3mm(thick) MS angle. Topfcrof) support farterial for Door panel fixing: Aluminium U-channel of 18gaage. Door hinges(two numbers): 75mm size with 1.2-1.5mm thickness MS. Tank holder frame material: 25mm X 35mm X 5mm X 15mm X 15mm X 35mm X 5mm X 15mm X 35mm X 5mm X 15mm X 35mm X 5mm X 35mm X 5mm X 15mm X 12mm X 3mm(thick) MS angle. With corner support of 23mm X 25mm X 35mm X 5mm								
Providing and fixing Multi Seater See Saw with all fitting as approved with Engineer-In-Charge4.00Nos50000.00195680.004892019568014.2Item No132 Providing toilet of 4 units of 0.9°1.2M size of 1 unit with all necessry fittings such WC Wash basin overhead tank of 1000 Itr for each Type of WC: European with ceramic base, Water facility: By mean of overhead tank, Electric provisionBy mean of connection from main line, Bottom frame material: 35mm X 35mm X 5mm X 5mm X 25mm X 25mm X 25mm X 25mm X 3mm(thick) MS angle, for one scater, Bottom frame support material (19.5 Most 2000) 25mm X 25mm X 3mm(thick) MS angle, Ventitation frame structure : 25mm X 25mm X 3mm(thick) MS angle, Continger (No numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm(thick) MS fat. Unit understructure Supported by 4.legs of size 35mm X 35mm X 35mm X 4.000 MS and the frame material: 25mm X 3mm(thick) MS fat. Unit understructure Support of 25mm x 25mm MS, Tank holder frame material: 25mm X 3mm (thick) MS fat. Unit understructure Support of 25mm x 25mm X 3mm(thick) MS fat. Unit understructure Support of 25mm x 25mm X 3mm(thick) MS fat. Unit understructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit understructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Unit tunderstructure Support of 25mm x 25mm X 3mm (thick) MS fat. Uni	1.1.5							
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<ul> <li>each Type of WC: European with ceramic base, Water facility: By mean of vorthead tank, Electric provisionBy mean of connection from main line, Bottom frame material: 35mm X 35mm X 5mm (thick) MS angle, Side &amp; Top Roof panel frame material: 25mm X 25mm X 3mm(thick) MS angle, Side &amp; Top Roof panel frame material: 35 mm X 35mm X 5mm(thick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Side &amp; Top Roof panel frame material: 35 mm X 35mm X 5mm(thick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Side &amp; Top Roof panel frame material: 35 mm X 35mm X 5mm (thick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Ventilation frame material: 35 mm x 35mm x 5 mm (thick) MS ANGLE, Support material for Door panel fixing: Aluminium U-channel of I8gauge, Door finges(two numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm(thick) MS angle with corner support of 25mm x 25mm X 40mm x40mm X 3mm MS angle for 1-seater, Door Tee material: 40mm X 40mm x40mm X 5mm(thick) MS Tee,</li> <li>14.3 Item Nol33 Providing Unbranded Steel Porta Cabin consist of With one Room of size 3050 mm x 2540 mm x 2590 mm ht having following specifications. I) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF suddived.</li> </ul>								
erranic base, Water facility: By mean of overhead tank, Electric provisionBy mean of connection from main line, Bottom frame material: 35mm X 35mm X 55mm X 55mm X 25mm X 37mm Kick) MS angle, Side & Top Roof panel frame material: 135mm X 55mm X 55mm X 25mm X 37mm X 5mm X 55mm X 25mm X 37mm X 5mm X 55mm X 25mm X 25mm X 37mm X 5mm (hick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm (hick) MS angle, Conforme material: 25mm X 25mm X 3mm (hick) MS angle, Top(roof) support frame structure : 25mm X 3mm (hick) MS angle, Nos6.00Nos1150000.006750960.001125160675096025mm X 25mm X 3mm (hick) MS angle, Ventilation frame material: 25mm X 35mm K 35mm X 35 mm x 5 mm (hick) MS ANGLE, Support material: 167 Door panel fixing: Aluminium U-channel of 18gauge, Door hinges(two numbers); 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 35mm X 5mm MS angle with corner support of 1-seater, Door Tee material: 40mm X 40mm X40mm X 3mm(Kick) MS Tee,2.00Nos100000.00195680.009784019568014.3Item No133 Providing Unbranded Steel Porta Galvanized Iron Sheet on both sides(have tongue groove arangement) and 50mm thick composite PUF sandwich between2.00Nos100000.00195680.0097840195680								
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provisionBy mean of connection from main line, Bottom frame material: 35mm X 35mm X 55mm(thick) MS angle for one scater, Bottom frame 								
main line, Bottom frame material: 35mm X 35mm X 55mm (hick) MS angle for one scater, Bottom frame support material : 25mm X 25mm X 35mm X 55mm K 25mm X 25mm X 35mm X 55mm X 35mm X 55mm X 35mm X 25mm X 35mm X 35mm X 35mm X 35mm X 55mm X 35mm X 25mm X 30mm (hick) MS angle, Ventilation frame material : 25mm X 25mm X 30mm (hick) flat MS, Door frame material : 35 mm x 35 mm x 5 5mm (hick) MS ANGLE, Support material for Door panel fixing: Aluminium U-channel of 18gauge, Door hinges(two numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 35mm X 35mm x 25mm X 35mm X 35mm X 55mm X 25mm X 35mm X 25mm X 35mm K 4.0 unit understructure: Support do y 4-legs of size 35mm X 35mm X 35mm x 25mm X 35mm X 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm(thick) MS fat, Unit understructure: Support of 25mm x 25mm X 35mm X 35mm X 35mm X 35mm X 35mm X 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm(thick) MS fract, Door Tee material: 40mm X 40mm x40mm X 3mm MS angle for 1-seater, Door Tee material: 40mm X 40mm x40mm X 3mm MS angle for 1-seater, Door Tee material: 40mm X 40mm x250m m h thaving following specifications. 1) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between2.00Nos100000.00195680.0097840195680		mean of overhead tank, Electric						
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<ul> <li>support material : 25mm X 25mm X 3mm(thick) MS angle, Side &amp; Top Roof panel frame material : 35mm X 35mm X 5mm(thick) MS angle, Top(roof) support frame structure : 25mm X 3mm(thick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Ventilation frame material: 25mm X 25mm X 3mm(thick) flat MS, Door frame material: 35 mm x 35 mm x 5 mm x 5 mm (thick) MS ANGLE, Support material for Door panel fraxing: Aluminium U-channel of 18gauge, Door hinges(two numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm (thick) MS flat, Unit understructure Supported by 4-legs of size 35mm X 35mm X 5mm MS angle for 1-seater, Door Tee material: 40mm X 40mm X 40mm X 5mm(thick) MS Tee,</li> <li>14.3 Item No133</li> <li>14.3 Item No133</li> <li>14.3 Item No133</li> <li>14.3 Item No133</li> <li>15.3 Item No134</li> <li>14.3 Item No136</li> <li>19.5080 mm x 2440 mm x 2590 mm In thaving following specifications. 1) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue grove arrangement) and 50mm thick ecomposite PUF sandwich between</li> </ul>								
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Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Ventilation frame material: 25mm X 25mm X 3mm(thick) flat MS, Door frame material: 35 mm x 35 mm x 5 mm (thick) MS ANGLE, Support material: 135 mm x 35 mm x 5 mm (thick) MS ANGLE, Support material: 10000000Nos1150000.006750960.001125160675096018gauge, Door hinges(two numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 3mm(thick) MS flat, Unit understructure Supported by 4-legs of size 35mm X 35mm X 5mm X 40mm x40mm X 3mm MS angle with corner support of 25mm x 25mm X 3mm MS angle with corner support of 25mm x 25mm X 3mm MS angle for 1-seater, Door Tee material: 40mm x 40mm x40mm X 5mm(thick) MS Tee,2.00Nos100000.00195680.009784019568014.3Item No133 Providing Unbranded Steel Porta Cabin consist of With one Room of size 3050 mm x 2440 mm x 2590 mm It having following specifications. 1) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between2.00Nos100000.00195680.0097840195680								
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watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate)       Image: Compacting Screening Type B (11.2 mm) Aggregate)         14.7       Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber,       1871.00       Cum       3850.00       7048057.00       3767       7048057								
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compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber,1871.00Cum3850.007048057.0037677048057	1 1.7							
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macadam specification including spreading in uniform thickness, hand packing to proper grade and camber,								
spreading in uniform thickness, hand packing to proper grade and camber,			1871.00	Cum	3850.00	7048057.00	3767	7048057
packing to proper grade and camber,								
applying and brooming requisite type								
	L	applying and brooming requisite type			l			

	of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate)						
14.8	Item No138 Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 30% crusher broken metal + 70% Hand broken (by breaking rubble obtained by blasting) heating and spraying the bitumen of specified grade @ 2 Kg/sqm, spreading 12 mm.size chips compacting with three wheel static roller having weight 8 to 10 MT. to achive the desired degree of compaction as per Technical Specification Clause 506 etc. complete. Including picking of existing WBM surface. (VG-30 bulk bitumen rates are considered to arrive at rates)	18710.00	Sqm	350.00	6398820.00	342	6398820
14.9	Item No139 Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates)	37420.00	Sqm	20.00	748400.00	20	748400
15.0	Item No140 BITUMINOUS MACADAM: Proving and laying bituminous macadam using crushed aggregates of Grading 1, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 80/100 mm compacted thickness with 3.3 % using specified grade of Bitumen USING Batch mix type hot mix plant with SCADA, Sensor Paver, vibratory roller.(VG-30 bulk bitumen rates are considered to arrive at rates)	1403.25	Cum	9200.00	12630653.25	9001	12630653.3
15.1	Item No141 Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen with sprayer on Dry / Hungry B.T. surface 3 kg/10 sqm. (VG-30 bulk bitumen rates are considered to arrive at rates)	18710.00	Sqm	20.00	374200.00	20	374200
15.2	Item No142 BITUMINOUS CONCRETE: Providing and laying bituminous concrete using crushed aggregate of grading 1, premixed with bituminous binder @5.40% by weight of total mix and filler, transported at site with VTS, laid over a previously prepared	1341.00	Cum	12100.00	15876099.00	11839	15876099

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	surface, finished to the required grade ,level, alignment, and rolling to achieve the desired density for 50mm compacted thickness with drum mix plant with SCADA, Sensor paver and Vibratory roller excluding prime/Tack coat etc. completeBitumen of specified grade with stone dust filler. (VG-30 bulk bitumen rates are considered to arrive at rates)						
15.3	Item No143 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	605.07	Sqm	450.00	266230.80	440	266230.8
15.4	Item No144 Nameplate (3D acrylic hollow blocks with LED) S.I.T.C. of Nameplate stating in Devnagri/English font in the desired style as per specifications. The total asembly letters made of frosted acrylic sheets cut and glued together to achieve the hollow letters as per approved design with provision for electrical supply for white/warm white LED lights of required wattage that will be lit from inside the blocks for illumination in the night. The whole assembly shall be rested/fixed with all necessary fittings and cleaning etc. complete as directed by the Engineer- in-charge.	38.75	Sqm	30000.00	1137390.00	29352	1137390
15.5	Item No145 Providing and fixing informatory sign boards in rectangular shape of size 1.20m x 0.90m madeout of 16 guage Aluminum panel bonded with IRC Specified colour of retro reflective sheeting of Type IV High Intensity Micro-Prismatic Grade Sheeting (HIP) having pressure sensitive / heat activated adhesive, IRC Specified colour retro reflective cutout border & messages having pressure sensitive adhesive having border & messages in IRC Specified colour background including M. S. angle iron frame of size 35 mm X 35 mm X 3mm & two M.S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.65 m long, duly painted with flat oil painthaving alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M-20concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Aluminum Panel TypeIV High Intensity	19.00	Nos	13500	250952.00	13208	250952
15.6	Item No146 Providing and fixing sign boards of size size 60 x 80 cm made out of 14 gauge M.S.Sheet with retro reflective sheeting of Engineering Grade as per M.O.T. specification No. 801-3(1993)	21.00	Nos	10000.00	205464.00	9784	205464

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15.7	white reflective back ground, lettering symbol bordering of black non reflective paint including 3.65 metre long M.S. angle one post of 65 x 65 x 6 mm size duly painted with white and black bands including fixing the boards of M.S. angle with galvanised nuts and bolts and washer. The Board shall be as per IRC-67-1977 including conveying fixing in ground with C.C. 1:4:8 block of size 0.60 x 0.60 x 0.75 m, with 7 year guarantee for the sheeting etc. complete. Mild Steel Board with Engineering Grade. Item No147 Providing and fixing board displaying information, such as "Name of work, Tender cost, Name of Contractor, Work completion and liability period etc", having rectangular shape of 1.20m x 0.90m size made up of 4 mm aluminum composite pannel sheet with 0.5 mm skin thickness on either side bonded with white retro reflective sheeting of Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive adhesive. Retro reflective sheeting with specified background, border and back side reto reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on						
	M.S. angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.	2.16	Sqm	15000.00	31700.16	14676	31700.16
15.8	Item No148 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for	60.00	Rmt	12500.00	733800.00	12230	733800

15.9	making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, excavation, pcc, tor steel etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge. Item No149 Providing and fixing Garden Bench with Arm with all fitting as approved with Engineer-In-Charge Item No150 Ss Dust Bin (Refer sketch 10)	10.00	Nos	15000.00	146760.00	14676	146760
16.1	Itrs: 42.0 Itrs, Product height:0.92m Item No151 Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 One Square Meterr made out of 4 mm aluminum composite panel bonded with 0.5 mm skin thickness on either side with white retro reflective sheeting of Class C ( Type XI Type XI Micro prismatic grade sheeting) having pressure sensitive adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow including Art Work complete as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt ~ 3.9 mtlong firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including fixures and transportation etc.complete.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. ClassC_( Type XI Type XI Micro prismatic grade sheeting) sheeting shall have 10 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate along with sheeting manufacturer attested 3 years outdoor weathering test report from Indian govt lab must be submitted to the Engineer in charge by the contractor/supplier. Item No152 Providing and laying of compression seal joint consisting of steel armoured	217.00	Sqm	16500.00	3503248.00	16144	3503248
	seal joint consisting of steel armoured nosing at two edges of the joint gap suitably anchored to the deck concrete	8.00	Rmt	4850.00	37960.00	4745	37960

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	and a preformed chloroprene						
	elastomer or closed cell foam joint						
	sealer compressed and fixed into the						
	joint gap with special adhesive binder						
	to cater for a horizontal movement						
	upto 40 mm and vertical movement of						
	3 mm etc. complete						
16.3	Item No153						
	Providing and laying of a strip seal						
	expansion joint catering to maximum						
	horizontal movement upto 70 mm to						
	be installed by the manufacturer /	(1( 00		12000.00	7000456.00		
	supplier to their authorized	616.00	Rmt	12000.00	7232456.00	11741	7232456
	representative ensuring compliance to						
	the manufacturers instruction for						
	installation as per approved drawings						
	and standard specifications etc.						
	complete.						
16.4	Item No154						
10.4							
	Providing and laying cement concrete						
	wearing coat M30 grade with batch						
	mix type / concrete mixer with						
	SCADA including reinforcement as	82.50	Cum	13000	1049317.50	12719	1049317.5
	per drawings and technical	62.30	Cum	13000	104931/.30	12/19	1049317.3
	specifications etc. complete with fine						
	agreegates of required specifications						
	(Natural sand / VSI sand finely						
16-	washed etc )						
16.5	Item No155						
	Painting Line, Dashes, Arrows etc on						
	Roads in two coats on new work with						
	ready mixed road marking paint						
	confirming to I.S. 164 on Bituminous						
	surface including cleaning the surface	40.00	Sqm	230.00	9000.00	225	9000
	of all dirt, dust and other foreign	10.00	bqiii	250.00	2000.00	225	2000
	matter, demarcation at site and traffic						
	control (Over/Uptocm wide)						
	(MORTH-803)Surface Over						
	10cm Wide On New Surface						
16.6	Item No156						
	Providing and fixing neoprene bearing	28000.00	CuCm	3.00	84000.00	3	84000
	as per detailed drawings etc. complete.						
16.7	Item No157					1	
10.7	Taking trial bores 75 to 100 mm for						
	53.0 to 88.9 mm core dia over burden						
	(by diamond drilling machine) such as						
	soil of all sorts, soft murum,hard						
	murum and boulders and in soft rock						
	including all materials such as casing						
	pipes and accessories oil, grease,						
	steel, rods, and such other materials						
	as required (including conveying the	40.00	Rmt	2500.00	97840.00	2446	97840
	material to site of work). Preserving						
	the loose sample in glass jar and core						
	sample serially on site of work and						
	conveying the same to HQ of						
	concemring office as directed.						
	R.A.for 10.00 Rmt a) over burden 0 to						
	50 meter.						
16.8						1	
	Item No158				1	1	
10.0	Item No158 Taking trial hores 75 to 100 mm for						
10.0	Taking trial bores 75 to 100 mm for						
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as						
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all						
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as						
10.8	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as						
10.8	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other		_				
10.8	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concerning office	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concerning office as directed. Quartzite with diamond	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concerning office	37.50	Rmt	6500.00	238500.00	6360	238500
10.0	Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concerning office as directed. Quartzite with diamond	37.50	Rmt	6500.00	238500.00	6360	238500

16.9	Item No159 Carrying out low strain pile integrity test on 900 mm diameter pile including all arrangements for test, equipments/accessories, materials, labour, submission of test report etc but excluding the cost of installation of job pile (installation of pile shall be paid seperately as per releventitems)all complete as per specification and as directed by the engineer-in-charge	229.00	Nos	4200.00	940961.00	4109	940961
17.0	Item No160 Conducting Initial Load Test (Compression) up to maxmimum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 part-4 including preparation of pile head for testing, necessary excavation, jacks, kentledge, accessories, measuring devices, recording of results, labour, submission of test report etc. complete, but excluidng the cost of installation of pile (insallation of pile shall be paid seperately) etc.all complete as per the specification, drawing and as directed by the Engineer in charge for the following for vertical compression test by cyclic load method	5.00	Nos	700000.00	3424400.00	684880	3424400
17.1	Item No161 Mobilisaton of Project, setting of pile points, Pile driving System using end on the Gantry system with required no. of Gantry Platforms & shifing of Gantry Platforms from on position to another, etc complete as per direction of Engineeretc complete	1.00	Nos	3000000.00	2935200.00	2935200	2935200
17.2	Item No162 Supplying, fitting and fixing in position true to line and level sliding plate bearing with stainless steel plate sliding on stainless steel plate with mild steel matrix including all accessories as per drawings and technical	4.92	MT	350.00	1682.64	342	1682.64
17.3	Item No163 Supplying, fitting and fixing in position true to line and level forged steel rocker bearing including all accessories as per drawings and technical specifications conforming to IRC:83 (Pt-1) section IX and clause 2003 of MoRTH specifications etc. complete.	3.28	MT	350	1121.76	342	1121.76
17.4	Item No164 Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	2633.73	Sqm	2500.00	6442103.58	2446	6442103.58
17.5	Item No165 Bamboowood 10mm thick Wall Cladding including Threshold & T- mold for Accoustic purpose Providing & fixing in position Phenol bonded Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by	981.99	Sqm	7840.00	7532845.29	7671	7532845.29

	Building Materials & Technology						
	Promotion Council (BMTPC) with						
	necessary profiled edges fixed with						
	BR nails to frame work made of						
	second class teak wood of size 50 x 50						
	mm in centre and ends of each tile.						
	The bamboowood cladding shall be						
	laid over glass wool of 50mm						
	thickness filled in between two teak						
	wood frame and hold in place by						
	50mm thick teak wood placed centre						
	of two teak wood and covered with						
	mesh (rabbit) fixed to teak woodframe						
	work with wire nails as backlayment						
	and covered with 1.00mm thick						
	expanded poly ethylene foam of						
	density 25Kilogram/cum in two layers						
	first layer on wall surface before						
	fixing wooden frame and second layer						
	on frame under cladding. The						
	Bamboowood planks shall have						
	minimum density of 1000						
	Kilogram/cum & minimum Hardness						
	1000 Kilogramf. with Eco friendly						
	UV coating, all complete as per						
	direction of Engineer in-charge.						
17.6							
17.6	Item No166						
	Design Supply and Installation of the						
	Mangroves Trail Walk of Section 20						
	Meter Length and 2.5 Meter Wide as						
	per the Details and Specification of						
	Project Information Memorandum						
	(PIM) attached.						
	Technical Specification :						
	• The mangrove trail should be 2.5m						
	wide and should be made in						
	sustainable method. To avoid harm to						
	the environment/ ecosystem.						
	• The all components should be made						
	in wood/ substitute to wood, but the						
	metal too avoids rusting of the						
	members.						
	Piles are proposed to be in Jambha						
	(Botincial Name: Xylia xylocarpa)						
	wood which should be designed to						
	take the axial load upto 2000 Kg Per						
	pile. These Piles should be drilled in						
	the mud/ marshy land at 2 Meter c/c						
	and then should be made ready to		D 20				
	receive the primary beams on them.		Per 20		133588008.0		
	• Primary beams should be made in	36.00	Meter	3792700.00	0	3710778	133588008
	first class teak wood/similar quality		Length		5		
	substitute. The primary beams do run						
	along the trail, and do support the trail						
	deck which should be designed for						
	live load of 500 kg/sqm.						
	• Secondary beams are then rested on						
	primary beam perpendicular to the						
	primary beam are to be made of the						
	Nature fibre Composite Material/						
	similar quality substitute. These						
	secondary beams support keels in						
	made from secondary Nature fibre						
	Composite Material which then						
	support floor finish.						
	• Floor finish should be made to take						
	wear & tear of the people movement,						
	giving appropriate friction in all the						
	seasons and should be long lasting						
	with minimal maintenance. These						
	floor boards can be made in Nature						
	fibre Composite Material). Designing						
	load of 500 kg/sqm should be						
1	considered.		1				

	<ul> <li>Handrails and brackets supporting them should be made in Nature fibre Composite Material / similar quality substitute.</li> <li>All of these components should be strictly fixed with nut bolt system made up from high grade stainless steel nut bolts only.</li> </ul>						
17.7	Item No167 Supplying, installing, testing & commissioning 3 phase, 11/0.433 kV, 50 Hz., 400 kVA, Mineral oil immersed and naturally cooled outdoor type, Copper wound Non- sealed transformer delta/star connected with additional neutral brought out on load side, temperature rise should not exceed 45°C by thermometer in oil and 50°C by the resistance method in winding at full load rating, using type A winding insulation (kraft paper) with HV tapping (with off load tap changer) off load +5 to -10 in steps of 2.5%, having 7 number of tap positions with standard accessories complete with test certificate with losses below 1225 Watts at 50% load, 3450 Watts at 100% load as per IS:1180 (part 1) : 2014 with necessary permissions of Electrical Inspector, as per specification no SS- TRNSL.	1.00	Each	1118640.60	1094478.00	1094478	1094478
17.8	Item No168 Making transformer plinth (1.5 x 1.5 x 1.5) m in size with necessary excavation in ground with 150 mm. thick M- 10 PCC at the bottom and top and 250 mm. thick, burnt brick wall constructed at periphery and remaining hollow portion shall be filled with 40mm hard broken aggregate. External surface duly plastered by 12 mm thick including watering etc complete.	4.00	Each	15730.00	61560.00	15390	61560
17.9	Item No169 Supplying and erecting triple pole mini feeder pillar with 500V, 300A FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and cartridge of 100A with aluminium bus bar erected in 14 SWG CRCA sheet box with supporting angles, self locks, gasket having IP54,IK10 protection and slanting top to be erected on provided foundation as per specification no. SW-SWR/MFP	5.00	Each	60880.00	297825.00	59565	297825
18.0	Item No170 Supplying & erecting single phase, 240V, street light control panel up to the max load of 12kW, SPN MCB 63A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54,IK10 protection, suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up,auto/manual selector switch, ON/OFF push buttons, indicator lamps, controlwiring, metering device, etc. for automatic operation & overcurrent, short circuit,earth fault protection on provided iron frame /	2.00	Each	26840.00	52520.00	26260	52520

			1		1	1	
18.1	Item No171 Supplying & erecting three phase, 415V, street light control panel up to the max load of 6kW, TPN MCB 40A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54,IK10 protection, suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up, auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc. for automatic operation, with overcurrent, shortcircuit, earth fault protection on provided iron frame / CC foundation.	1.00	Each	25010.00	24470.00	24470	24470
18.2	Item No172 Supplying, erecting & marking SPMCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB	450.00	Each	190	83700.00	186	83700
18.3	Item No173 Supplying, erecting & marking SPMCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB	200.00	Each	190.00	37200.00	186	37200
18.4	Item No174 Supplying, erecting & marking FPMCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	50.00	Each	1165.00	57000.00	1140	57000
18.5	Item No175 Supplying, erecting and marking triple pole isolators only switch version of miniature circuit breaker of 40A with required wiring connections and lugs etc. in provided distribution board.	5.00	Each	665.00	3255.00	651	3255
18.6	Item No176 Supplying, erecting and marking four pole isolators only switch version of miniature circuit breakers of 63A in provided distribution board.	5.00	Each	805.00	3940.00	788	3940
18.7	Item No177 Supplying, fixing and commissioning MCB type change over switch 2 pole, 40 A with 3 positions (I-O-II) with centre off position as per specification no. SWSWR/MCBCOS	100.00	Each	1790.00	175100.00	1751	175100
18.8	Item No178 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 12 ways /phase (36 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on iron/GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB	10.00	Each	5070.00	49600.00	4960	49600
18.9	Item No179 Providing & erecting 3 Pole MCCB 415V, 250A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-WR/MCCB	50.00	Each	15575.00	761950.00	15239	761950

19.0	Item No180						
19.0	Supplying, erecting & commissioning 4 pole RCCB 63A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW- RCCB/RCCB	50.00	Each	3215.00	157300.00	3146	157300
19.1	Item No181 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/ trunking/ inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	250.00	Rmt	100	24500.00	98	24500
19.2	Item No182 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	1435.00	Rmt	235.00	330050.00	230	330050
19.3	Item No183 Supplying and erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	500.00	Rmt	45.00	22000.00	44	22000
19.4	Item No184 Supplying and erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	200.00	Rmt	70.00	13600.00	68	13600
19.5	Item No185 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit /trunking /inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	900.00	Rmt	100.00	88200.00	98	88200
19.6	Item No186 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 95 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/A	750.00	Rmt	730.00	535500.00	714	535500
19.7	Item No187 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base / flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden / 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick laminate with S M screws and duly connected	200.00	Each	50.00	9800.00	49	9800
19.8	Item No188 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/ flush type erected on filled polypropylene (IS:14772-2000) board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick	50.00	Each	65.00	3200.00	64	3200

	laminate with S M screws and duly connected.						
19.9	Item No189 Supplying and erecting modular type switch 16A duly erected on provided plate and box with wiring connections complete.	20.00	Each	116.00	2260.00	113	2260
20.0	Item No190 Supplying and erecting HMS PVC conduit FRLS grade 20 mm dia. With PVC accessories on wall / ceiling as per specification No: WG-MA/CON.	100.00	Rmt	90	8800.00	88	8800
20.1	Item No191 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	50.00	Each	635.00	31050.00	621	31050
20.2	Item No192 Point wiring in for light/fan/bell in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	200.00	Each	940.00	184000.00	920	184000
20.3	Item No193 Supplying and erecting energy saving ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF	2.00	Each	2635.00	5156.00	2578	5156
20.4	Item No194 Supplying and erecting condenser 2.5 micro farad for ceiling fan.	2.00	Each	75.00	146.00	73	146
20.5	Item No195 Supplying and erecting electronic type step regulator for ceiling fan 600/900/ 1200/1400 mm. sweep, complete erected on provided switch board	2.00	Each	295.00	578.00	289	578
20.6	Item No196 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab.	2.00	Each	225.00	440.00	220	440
20.7	Item No197 Supplying and erecting 20mm dia. corrugated flexible polypropylene conduit	25.00	Rmt	18.00	450.00	18	450
20.8	Item No198 Supplying and erecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wire mesh, duly erected, complete.	2.00	Each	1740.00	3404.00	1702	3404
20.9	Item No199 Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	25.00	Each	690	16875.00	675	16875

21.0	Item No200 Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22 / E-27 base.	5.00	Each	255.00	1245.00	249	1245
21.1	Item No201 Supply, Installation, Testing and commissioning of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete. Specification no. EA-MOBI	25.00	Each	15185.00	371425.00	14857	371425
21.2	Item No202 Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR	1670.00	Rmt	175.00	285570.00	171	285570
21.3	Item No203 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG- ODF/PTL	100.00	Each	2415.00	236300.00	2363	236300
21.4	Item No204 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FGODF/PTL	60.00	Each	1835.00	107700.00	1795	107700
21.5	Item No205 Making cement concrete foundation including excavation (45 x 45x 120) cm deep in 1:3:6 cement concrete, 20 to 25 mm stone metal, m(45 x 45 x 45) cm / 45 cm dia. x 45 cm height plinth duly plastered, with necessary curing and finishing complete.	273.00	Each	50.00	13377.00	49	13377
21.6	Item No206 40W/60W LED Decorative Tower Light with color Blue /WW /CW 7.5Mtr. with Include Pole/Bolt /Nut/Template with LED Driver	273.00	Each	62000.00	16560453.00	60661	16560453
21.7	Item No207 Supplying and erecting integrated LED flood light fitting Max. 30W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 3000 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.	36.00	Each	2910.00	102492.00	2847	102492
21.8	Item No208 Supplying and erecting integrated LED flood light fitting Max. 100W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 12000	15.00	Each	9070	133110.00	8874	133110

	Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.						
21.9	Item No209 Supplying and erecting LED square / circular Max. 25 W down lighter/ Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.	15.00	Each	2145.00	31485.00	2099	31485
22.0	Item No210 Supplying and erecting integrated LED Bollard Cylindrical /Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No FG- ODF/FLS2.	50.00	Each	5780.00	282750.00	5655	282750
22.1	Item No211 Supplying and erecting integrated LED round burial light 6W IP65 & IK10 class having pressure die-cast housing, having system lumens output of Min. 500 Lumens, min. efficacy of 85 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 100-240V, i nbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L50B50, including driver, salt spray tested for 500 Hrs. including making of recess of appropriate size for flushing into surface with 2 Year warranty as per specification No FG-ODF/FLS2.	6.00	Each	4475.00	26268.00	4378	26268
22.2	Item No212 Supplying and erecting Concealed type foot/step light Max. 5W having IP67. IK10 rated Pressure die cast housing having system lumens output of Min. 500 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, SDCM<5, p.f. >0.95, operating range of 230-270V,surge protection of 2.5 kV, Life class of 25,000 Hrs. at L70B50, including driver by making necessary arrangement/recess in wall to make it flush with surface with2 Year arranty.	4.00	Each	4220.00	16516.00	4129	16516

	X		1		1		
22.3	Item No213 Supplying and erecting Gate/garden light fitting with 300mm dia. glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FGODF/ GLT	5.00	Each	1260.00	6165.00	1233	6165
22.4	Item No214 Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR	370.00	Rmt	175.00	63270.00	171	63270
22.5	Item No215 Supplying & erecting FRP box of size 150mm x 125mm x 100 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	273.00	Each	545.00	145509.00	533	145509
22.6	Item No216 Supplying & erecting crimping type copper lugs for cable up to 16 sq mm complete as per specification No. CB- CL/CU	200.00	Each	25.00	4800.00	24	4800
22.7	Item No217 Providng earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	489.00	Each	5185	2480697.00	5073	2480697
22.8	Item No218 Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP	273.00	Each	1650.00	440622.00	1614	440622
22.9	Item No219 Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars, 500V, 100A having 15mm (Width) X 3 mm (Thickness), with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and Enclosure fabricated with 16 SWG CRCA sheet and epoxy paint, with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification no. CPBB	10.00	Each	6480.00	63400.00	6340	63400
23.0	Item No220 Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1.5 kW/2 HP with discharge 600/140 Litres per Minute (LPM) for head of 8/22 m & 50mm suction/ 50 mm delivery pipe on provided C.C. foundation as perspecification No. WP-CGP	5.00	Each	16300.00	79740.00	15948	79740
23.1	Item No221 Supplying & erecting minimum three & above star rated Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 7.5 KW/10 HP with discharge 1150/600 Litres per Minute (LPM) for head of 24/69 m and 65 mm suction/ 50 mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	2.00	Each	50000.00	97840.00	48920	97840

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23.2	Item No222 Supplying & erecting automatic control panel for 3 Phase , 415 volt, A.C, Submersible/centrifugal pump set up to 7.5 HP consisting of DOL starter having relay range 9-14 AMP,S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc .	7.00	Each	6670.00	45682.00	6526	45682
23.3	Item No223 Supplying & erecting D.O.L Starter suitable for 250 V, Single phase 50 cycles with overload element with necessary materials and connected to supply up to 3 H.P.	5.00	Each	1280.00	6260.00	1252	6260
23.4	Item No224 Supplying & erecting D.O.L Starter suitable for 415 V, 3 phase 50 cycles with no volt coil and overload element with necessary materials and connected to supply for 10 H.P.	2.00	Each	3260.00	6380.00	3190	6380
23.5	Item No225 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	10.00	Each	6760.00	66140.00	6614	66140
23.6	Item No226 Supplying and erecting 100 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	6.00	Each	9065	53214.00	8869	53214
23.7	Item No227 Supplying and erecting static energy meter with 240V 50 Hz. AC supply 10 to 60 A, ISI mark, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh, V,I,PF, frequency, kW, kVA, six months history of Energy & MD in kW & kVA ) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	10.00	Each	3260.00	31900.00	3190	31900
23.8	Itsted by clearly supply company. Item No228 Supplying and erecting static energy Trivector meter 440 V 50 Hz. 20- 100A ISI mark meter AC 3 phase 4 wires LCD/LED display (Measuring and display Trivector, V, I, kW, PF, Hz, Last month history of kWh & MD in kW) with special features like TOD, Tamper logging, Optical Communication <sup>34</sup> Port & Display in absence of Power complete erected on polished teak wood ↓ board duly wired with required size of weather proof PVC wires duly tested for class 1.0 accuracy by electric supply company.	5.00	Each	9065.00	44345.00	8869	44345
23.9	Item No229 Supplying and erecting minimum Three & above star rated submersible pump set suitable for erection on open well of 5.625 KW/7.5 HP with 415 V 50 c/s. A.C. supply, having delivery head from 57 to 22 m and discharge from 120 to 900 litres per minute &	5.00	Each	41520.00	203115.00	40623	203115

	pipe of Suction 75 mm/Delivery 65 mm diameter erected with necessary H type clamps as per specification No.						
24.0	WP-OSP Item No230 Supplying, installing, testing and commissioning of 5 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 24V pure sine wave solar power inverter (THD<3%), SPV Modules (335 WP X 15 Nos.), C-10 rated lead acid battery bank 24V, 300Ah x 4 nos. (12V, 300 Ah x 8 nos) suitable for 4 Hours backup with suitable MS powder coated stand to hold battery bank and keeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar inverter in casing and capping, display board, sign board, two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 years ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFG	8.00	Each	410670.00	3214400.00	401800	3214400
24.1	Item No231 Supplying and erecting three phase 10 to 60 A net meter DLMS compliance of accuracy class 1.0, 3 x 240V, 50 Hz, with backlit LCD display, optical port and RJ 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh, V, I, kW, 6 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	8.00	Each	12350.00	96664.00	12083	96664
24.2	Item No232 S.I.T.C. of LIGHT 851, Wattage 30W-40W Power Module LED,3000k,Upright Light 851:it's upper square frame in single piece made of die cast aluminum using pressure die-casting process, with a decorative element which is also made of die cast aluminium using pressure die-casting process, fixed on the top. Auxiliary and optical compartment can be accessed by tilting the top frame.Bottom frame with Company /brand name engraved in the mold, in single piece, made of die cast aluminum using pressure die-casting process with a four-armed bracket with flange, which is also made of die cast aluminum using pressure die- casting process, fixed at the bottom. Frosted Screen made of polymethylmethacrylate (PMMA) molded in a single piece using Injection molding process. Screen's Impact resistance: IK06. Pure polyester powder coating in Standard Grey Colour. IP Rating - IP 66. Power LED Module with Company /brand name printed on PCB with the metal core plate.LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make - same should be supported by LED manufacturer's tech sheet .	13.00	Each	16500.00	209872.00	16144	209872

	Colour Rendering Index: Ra > 70.						
	Electronic Power Supply for LED						
	Module, which offers Protection						
	against Short Circuit, Over- Voltage						
	& Over- Current, with in-built surge						
	protection (an additional surge						
	protection device of 10kV also						
	provided in-built the fixture). Optics						
	with refractive lens in PMMA/PC.						
	LED Lifetime >1,00,000hours@Ts						
	85°C. LM80 report from LED						
	Manufacturer should be						
	submitted. The Light fixture shall be in						
	compliance with IEC 60598-2-3; IEC						
	60598-1(Supporting Test Report from						
	UL/UL Authorised/Intertek						
	Laboratory should be submitted)						
	.LM79 report also should be						
	submitted from UL/UL						
	Authorised/Intertek						
	Laboratory.Sample should be						
	submitted for approval from						
	concerned engineer-in charge.						
24.3	Item No233						
	S.I.T.C. of 3M HEIGHT						
	ARCHITECTURAL POST TOP						
	POLE3M height Pole made of						
	complete cast iron decorative						
	components where the internal						
	1						
	fabricated pole of 3M is made in						
	combination of mild steel pipe						
	sections of suitable size covered on						
	the outside by decorative cast iron						
	base and columns.Decorative Cast						
	iron Base in the cast iron mould,						
	height again followed by a ring dia						
	210mm and gradual tapering upto a						
	dia 92mm as approved by the						
	econerned Engineer the total height of						
	decorative cast iron base is 700mm						
	and weight-32kgs. Decorative cast						
	iron base should be provided with a						
	flush door of length 228mm, width						
	124mm and height 30mm. Decorative						
	cast iron flower starting with a dia 102						
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm						
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total						
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm						
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia.	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm -	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5%	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with	13.00	Each	16500.00	209872.00	16144	209872
	cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 90mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This	13.00	Each	16500.00	209872.00	16144	209872

	used for ensuring firm grouting into						
	the specially designed RCC						
	foundation. After Fabrication, Internal						
	pole should be shot blasted for the						
	effective adhesion of 3layer coating so						
	as to avoid the corrosion. wind						
	pressure calculation as per IS						
	875(part-3) & structural calculation						
	report as per EN40 should be						
	submitted to verify the pole design. Only cast iron parts outside are PU						
	painted in 3 layer coating(coating						
	thickness-100 microns minimum) in						
	which 1st layer with etch primer, 2nd						
	layer with epoxy primer & 3rd final						
	layer with PU paint.						
24.4	Item No234						
	S.I.T.C. of Spot Light, NSL-10S,						
	LED,9-11W,LED, 3000k,IP 66						
	Body made of Aluminium and						
	finished with pure polyester powder coating in grey colour. Screen in flat						
	tempered glass. Dimension-						
	65mm(Dia.) minimumx220mm(L)	47.00	Each	9900.00	455242.00	9686	455242
	minimum,Weight-0.7kgs minimum.	.,				2000	
	Electronic Driver which offers						
	Protection against Short Circuit, Over-						
	Voltage & Over- Current, IP 66						
	protection, voltage input AC240V.						
	Estimated Lifetime-L70 @						
24.5	50,000hours minimum. Item No235						
27.3	S.I.T.C. of NCL-02S-Ceiling Light,						
	10-15W, LED, 3000k, IP 65						
	Body made of aluminium & screen in						
	tempered glass (IK 08). Pure Polyester						
	powder coating in RAL 9005 Matt.						
	Electronic Driver which offers						
	Protection against Short Circuit, Over-						
	Voltage & Over- Current. Dimension- 126mm (Dia.) x 138mm(H), Weight-	17.00	Each	16890	280925.00	16525	280925
	1.2kg. Estimated Lifetime-L70 @						
	50,000 hours minimum. LM80 report						
	from LED Manufacturer should be						
	submitted. Sample should be						
	submitted for approval from						
	concerned engineer-in charge. Sample						
	should be submitted for approval from						
24.6	from Architect/ engineer-in-charg						
24.6	Item No236 S.I.T.C. of MELIA-ILLUMINATED						
	BOLLARD-10W-15W,LED,						
	3000KThe Bollard suitable for on						
	ground installation, It is made in						
	combination of Steel pipe of 127mm						
	dia. & decorative cast iron elements						
	After Fabrication, Entire bollard						
	should be shot blasted for the effective						
	adhesion of 3layer coating so as to						
	avoid the corrosion.Decorative base with company name/logo engraved -						
	it's design starting with 178mm dia.	100.00	Each	12320.00	1205400.00	12054	1205400
	continues for a height of 30mm,than	100.00	Laon	12520.00	1200 100.00	12007	1200100
	gradually tapering to 150mm, for a						
	height of 60mm, ends. with ring of						
	165dia. and 20mm height. total height						
	of the base is 140 mm & Weight is						
	3Kgs. and top sphere shaped						
	decorative element design starting						
	with a ring of 150mm dia. and 18mm height, followed by a section of						
	130mm dia, then gradually tapering to						
	70mm dia. for a height						
	17mm, followed by a ring of 87mm				<u> </u>		

	dia.,17mm height and ends with a sphere section of 125m dia. total height is 170mm - Weight is 3Kgs.All cast iron parts weight mentioned are with +/- 5% tolerance. LED source is made of Silicon material-Much more flexible,Efficient heat dissipation,Perfect resealing with silicone glue. Mounting channel made of aluminium. Diffused Screen in Acrylic, LED-source Efficacy>90lm/W,SMD LED,yellow glue 3M,120 degree beam angle, Voltage DC 24V. It also includes Externl common Electronic Power Supply(Meanwell /Equivalent) ,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection.FInish- Pure Polyester Powder Coating in customised colour Metallaic Grey. IP Rating - IP 54.Height – 1000mm, Dia						
24.7	- 127mm. Item No237 S.I.T.C. of Underwater Spot Light, NHL-145, LED, 8-10W, LED, 3000k, IP 68,External common power supply NHL-145: The housing in circular shape is completely made of high strength stainless steel(304grade minimum). Protection screen in clear tempered glass with high impact resistance . Precise structure and multi-protection silicon rubber seal ensures the Ingress Protection-IP 68. Dimension-Dia145mm,Height – 180mm, Weight - 1.2Kgs. Power LED Module with high afficacy						
	efficacy LED's(Cree/Osram/Nichia/Lumileds), on Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum.LM80 report from LED Manufacturer should be submitted. Minimum Light fixture Lumen output is 700Lumens. Sample Should be submitted for concerned engineer incharge for approval of light fixture.	2.00	Each	21960.00	42972.00	21486	42972
24.8	Item No238 S.I.T.C. of NGB-6-1-Ground Buried Uplight, 1-2W, LED, 3000k, IP 67Body made of Die cast aluminium using pressure die casting process. Top Cover in Stainless steel & screen in tempered glass (IK 08). Burying barrel in ABS.External Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current. Dimension-35 (Dia.) x38mm(H), Weight-0.1kg. Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. Sample should be submitted	12.00	Each	16280.00	191136.00	15928	191136

	for approval from from Architect/ engineer-in-charge.						
24.9	Item No239 S.I.T.C. of 1 Mtr. Length of 48V Track for track light with connectors (L&Tshape connectors)	3000.00	Each	8140.00	23892000.00	7964	23892000
25.0	Item No240 Making M- 20 grade reinforced cement concrete foundation by considering the safe soil bearing capacity at site as 10 T/sq.m at 1.5 m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help oftemplate, duly plastered as per design complete (for 6m to 8m high octagonal /conical GI pole).	154.00	Each	4100.00	617694.00	4011	617694
25.1	Item No241 Providing & erecting 7 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL	154.00	Each	18800.00	2832676.00	18394	2832676
25.2	Item No242 Supplying and erecting integrated LED street light fitting 120W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 13000 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including driver complete with 3 Years warranty as per specification No FG- ODF/FLS2	154.00	Each	10780.00	1624238.00	10547	1624238
25.3	Item No243 Providing and laying in situ M40 controlled cement concrete of trap/ granite/ quartzite/ gneiss metal for PSC work in main/ cross girders, diaphrams etc. including ramming, vibrating, curing, formwork, centering and finishing in cement plaster excluding reinforcement etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with natural sand) i) Height up to 5 m, normal rate.ii) Height 5 to 7.50 m, add 5 percent extra. iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent extra for every 2.50m rise.	2483.76	Cum	12500.00	30376384.80	12230	30376384.8
25.4	Item No244 Providing & Supplying of FRP sculpture of various art piece including creative envolment of creative artist as per theme as instructed by Engineer-In- Charge/architect .The model to be done in following stages clay work,pop moulding 4 to 5mm fibre casting with steel reinforcement from inside. Griding finishing and	90.00	Per Square Meter	29450	2593260.00	28814	2593260
	colouring with apporpraite colours .Transportation to site and installation						

			1	1			
	Providing & Supplying of Metal sculpture of various art piece including creative envolment of creative artist as per theme as instructed by Engineer-In- Charge/architect .The model to be		Square Meter				
	done in following stages clay work,pop moulding 4 to 5mm metal casting with steel reinforcement from inside. Griding finishing and						
	colouring with apporpraite colours .Transportation to site and installation						
25.6	Item No246 Designing, Providing & Installation of Sculpture . The material for this sculpture is Fibre/FRP . The Height of the Sculpture should be minimum 3.5m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar	1.00	Each	1173000.00	1147663.00	1147663	1147663
	Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxesExcluding of GST .etc. Complete.						
25.7	Item No247 Designing, Providing & Installation of Sculpture of . The material for this sculpture is Metal . The Height of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.	2.00	Each	1322500.00	2587868.00	1293934	2587868
25.8	Item No248 Designing, Providing & Installation of Sculpture of The material for this sculpture is Fibre/FRP. The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material	2.00	Each	977500.00	1912772.00	956386	1912772

					1	1	1
	should be 5-10mm. Including all cost of design, Making models (if any),						
	making sculpture, inspection charges,						
	Transportation, Fixing at site,						
	Construction of Foundation in RCC-						
	M20 Grade Concrete including						
	Reinforcement (TMT/FE 500),						
	Pedestal including all material						
	required for fixing the sculpture,						
	coating the pedestal with Coaltar						
	Epoxy Coating, all Filling material upto the base of Sculpture, polishing						
	and painting of the sculpture, as						
	directed by Engineer in Charge.						
	(Variation in size off sculpture shall						
	be +- 10% in Length, Width and						
	Height shall be permitted.) Inclusive						
	all taxes Excluding of GST .etc.						
25.0	Complete.						
25.9	Item No249						
	Designing, Providing & Installation of Sculpture . The material for this						
	sculpture is Fibre/FRP. The Height of						
	the Sculpture should be minimum						
	2.1m,& Length will be around 5m						
	Size of the sculpture shall be in						
	proportionate to the height of the						
	sculpture. Thickness of FRP material						
	should be 5-10mm. Including all cost of design, Making models (if any),						
	making sculpture, inspection charges,						
	Transportation, Fixing at site,						
	Construction of Foundation in RCC-	2.00	East	1677500.00	2282522.00	1(412()	2292522
	M20 Grade Concrete including	2.00	Each	1677500.00	3282532.00	1641266	3282532
	Reinforcement(TMT/FE 500),						
	Pedestal including all material						
	required for fixing the sculpture,						
	coating the pedestal with Coaltar Epoxy Coating, all Filling material						
	upto the base of Sculpture, polishing						
	and painting of the sculpture, as						
	directed by Engineer in Charge.						
	(Variation in size off sculpture shall						
	be +-10% in Length, Width and						
	Height shall be permitted.) Inclusive						
	all taxes Excluding of GST .etc.						
26.0	Complete Item No250			+			
20.0	Designing, Providing & Installation of						
	Sculpture Set The material for this						
	sculpture is Fibre/FRP . The Height of						
	the Sculpture should be minimum						
	3.6m, Size of the sculpture shall be in						
	proportionate to the height of the						
	sculpture. Thickness of FRP material should be 5-10mm. Including all cost						
	of design, Making models (if any),						
	making sculpture, inspection charges,						
	Transportation, Fixing at site,						
	Construction of Foundation in RCC-	1.00	Each	2185000.00	2137804.00	2137804	2137804
	M20 Grade Concrete including	1.00	Bach	2105000.00	213/004.00	213/004	213/004
	Reinforcement (TMT/FE 500),						
	Pedestal including all material						
	required for fixing the sculpture,						
	coating the pedestal with Coaltar Epoxy Coating, all Filling material						
	upto the base of Sculpture, polishing						
	and painting of the sculpture, as						
	directed by Engineer in Charge.						
	(Variation in size off sculpture shall						
	be +- 10% in Length, Width and						
	Height shall be permitted.) Inclusive						
26.1	all taxes Excluding of GST .etc. =	2.00	Fach	600000.00	1250102.00	(7500/	1250102
26.1	Item No251	2.00	Each	690000.00	1350192.00	675096	1350192

	Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Length & Height of the Sculpture should be minimum 3m & 2m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off						
	sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc.						
26.2	Item No252 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Dia of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete	3.00	Each	747500.00	2194062.00	731354	2194062
26.3	Item No253 Fee towards the MCZMA Scurity ass per the 114 MOM of MCZMA	1.00	Per Proposa	850000	831640.00	831640	831640
26.4	Item No254 Cost towards the Demarcation of the HTL and HFL from the Government Agencies approved by the MoEFCC	1.00	Pre Proposa 1	850000.00	831640.00	831640	831640
26.5	Item No255 Carrying Comperhensive EIA for the Project including the generation of Required Basline Survey Data for 3 Seasons and CRZ Clearnces for the Project and CRZ Clearnces of the project	1.00	Job	2000000.00	1956800.00	1956800	1956800
26.6	Item No256 Remuneration to agency for the prepartion of the Forest Diversion Proposal.	1.00	Job	2500000.00	2446000.00	2446000	2446000
	Item No257	2.24	На	1650000.00	3616166.40	1614360	3616166.4
	Cost towards the Payment of NPV Item No258	2.24	На	950000.00	2082035.20	929480	2082035.2

	Cost towards the Payment of Compensatory Afforestaion Cost including Maintaencae of 10 Years						
26.9	Item No259 Towards conservation measure for Avifauna (Bird)	1.00	Lumsu m	750000.00	733800.00	733800	733800
27.0	Item No260 Towards Legal cost for obtaining the Clearnces from Hon High Court as per PIL No. 87 of 2006	1.00	Lumsu m	900000.00	880560.00	880560	880560
27.1	Item No261 Implemenation of the Enviornment Mointoring Plan during the Project Execution	1.00	Lumsu m	1000000.00	978400.00	978400	978400
27.2	Item No262 S.I.T.C. of GOBO PROJECTOR350 Watt,LED,IP 65Gobo Projector:Body made of Diecast Aluminium. Uses high power white LED chip,3.8°- 45°(electronic linear zoom),Display- On board Control, Gobo-8+6 Gobos(single colour), Gobo-flow effect, Gobo shake, Bi-directional rotation.Colours-One color wheel (13 colour+White, Rainbow flow effect),Prism-16 prism with bi- directional rotation, , Speed adjustable,Focus-Motorized linear focus.Nos.of DMX Channels-16 Light fixture should be standard DMX512 protocol compatible, the DMX decoder function should be inbuilt the light fixture,Each light fixture should be invidually addressable & should be able to operate with any standard DMX512 equipment. In-Built Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in- built surge protection.Lifetime is 50,000 hours.IP rating-IP 65 minimum.Length-480mm,Width- 410mm, Height-640mm Weight - 39Kgs.	8.00	NOS	750000	5870400.00	733800	5870400
27.3	Item No263 S.I.T.C. of DMX Controll System	1.00	Set	700000.00	684880.00	684880	684880
27.4	Item No264 S.I.T.C. of 6m height pole made in combination of mild steel pipe sections 114mm dia. & 76mm dia. with suitable fixing arrangement to mount Laser projector. The pole to be provided with a suitable size steel plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation.After Fabrication, Entire Pole is hot dip galvanized(100 microns Minimum ) for the effective corrosion resistance. The hot dip Galvanised pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole design. Pole & it's parts are painted in 3 layer coating (coating thickness-100	8.00	NOS	111090.00	869520.00	108690	869520

	microns minimum) in which 1st layer						
	with etch primer, 2nd layer with epoxy primer & 3rd final layer with						
	PU paint.						
27.5	Item No265						
	S.I.T.C. of 3 Chip DLP Laser Cinema						
	series Projector, Brightness: 22000						
	Lumens or more, Resolution: Native						
	4K or better, along with the appropriate Lens to manage the throw						
	distance, 3D ready, Native aspect ratio						
	16:10, Horizontal & vertical edge						
	blending, Motorised Zoom & Focus,						
	Motorised Lens shift H/V, Sealed DLP <sup>™</sup> core, Standard Orientation :						
	360°, DMX 512 Standard WARP	2 00	N	4(20750.00	0057520.00	4530540	0055520
	Direct adjust OSD + toolset, Image	2.00	Nos.	4628750.00	9057538.00	4528769	9057538
	processing, Embedded warp & blend,						
	3D Active eye wear (optional), passive circular (optional); 2 flash up						
	to 200Hz; optional Dual Eye Point						
	240Hz, Single HDBaseT; HDMI2.0						
	(HDCP2.2, HDR10); DP 1.2						
	(HDCP1.3); Quad 3G/12G						
	SDI/BarcoLink ULTRA, supplied with DP input cards, IR, RS232, IP						
	(RJ45 Network connection), direct						
	Android app to control,						
27.6	Item No266 S LT C of Smart poles of 10 mtrs						
	S.I.T.C. of Smart poles of 10 mtrs heights Customized enclosure for						
	above projector with pole mounting						
	arragement IP68 protection and	2.00	Nos.	1587000.00	3105442.00	1552721	3105442
	security. Each enclosure allow to put minimum 1 projector, White in color,	2.00	11001		0100112100	1002/21	0100112
	easy maintenable Make: Techvisio/						
	Mapan/Aura / LM3X [Urban pole /						
	Valmount structurs						
27.7	Item No267 S.I.T.C. of Display media server with						
	4nos x HD outputs as required,	1.00	N	12(2000.00	1005700.00	1005500	1005500
	synced together Min. 1x NVidia	1.00	Nos.	1262990.00	1235709.00	1235709	1235709
	Quadro RTXA5000 graphic						
27.8	processor, Item No268						
27.0	S.I.T.C. of Production PC i7 process						
	RAM 32 GB 2TB SSD memory with	1.00	Nos.	793500.00	776360.00	776360	776360
	HD outputs as required, , with 16GB	1.00	1403.	795500.00	//0500.00	//0500	770500
	graphic card ,to be supplied with 27" Monitor						
27.9	Item No269						
	S.I.T.C. of 3D Projection mapping						
	software, Playback control System to	1.00	Nos.	1322500.00	1293934.00	1293934	1293934
	manage, schedule & control the media servers, watchout software should					_	_
	work best in above system						
28.0	Item No270						
	S.I.T.C. of 20 KVA UPS with 30	1.00		105/075.00	1000007.00	100000-	122022-
	minutes power backup, along with Electrical cabling and Earthing for	1.00	Nos.	1256375.00	1229237.00	1229237	1229237
	projector						
28.1	Item No271						
	S.I.T.C. of Long distance transmitter						
	for High resolution signals, Transmits HDMI, USB data, control, and analog						
	audio up to 330' (100 m) over a						
	shielded CAT 6A cable Supports						
	computer and video resolutions up to	2.00	Nos.	165315	323488.00	161744	323488
	4K/60 @ 4:4:4, USB 2.0 extension,						
	Analog stereo audio embedding, HDCP 2.3 compliant, Supported						
	HDMI 2.0b specification features						
1	include data rates up to 18 Gbps,						
	HDR, Deep Color up to 12-bit, 3D,			I		L	

	and HD lossless audio formats						
28.2	Item No272 S.I.T.C. of Long distance Receiver for						
	High resolution signals, Receives HDMI, USB data, control, and analog audio up to 330' (100 m) over a shielded CAT 6A cable Supports computer and video resolutions up to 4K/60 @ 4:4:4, USB 2.0 extension, Analog stereo audio embedding, HDCP 2.3 compliant, Supported	2.00	Nos.	165315.00	323488.00	161744	323488
	HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats						
28.3	Item No273 SITC of 4k enabled HDMI male to male cables, of 2 mtrs, Ultra-flexible HDMI cables Conforms to Premium High Speed HDMI cable performance standards 4K/60 verified	10.00	Nos.	10127.00	99080.00	9908	99080
28.4	Item No274 SITC of 30 mtr / 100ft High speed 4k HDMI cable, HDMI Premium High Speed Optical Cables - Plenum, Conforms to Premium High Speed HDMI Cable performance standards Flexible, ultra-thin 0.16" (4 mm) diameter cable Plenum, NEC CMP-rated cable No external power is needed, Highly resistant to EMI/RFI interference, Color-coded and labeled ends	1.00	Nos.	108975.00	106621.00	106621	106621
28.5	Item No275 SITC of other accessories like connectors, small patch cables of CAT6 / audio etc, sleevs, DP to HDMI or HDMI to DP, etc adapters	1.00	LS	264500.00	258787.00	258787	258787
28.6	Item No276 SITC of LED RGBW DMX conrol LED channel with aluminium extrusion channel linkable option outdoor IP66 with diffuse optic power 15 watt per meter control by independent DMX controller creating multiple lighting scene (minimum 32 scene )	180.00	meter	11500.00	2025360.00	11252	2025360
28.7	Item No277 SITC of LED screen 4 mm pitch 5500 nits IP66, size 3m x 5m floor standing mounting bracket with media server, AV conectivity, link with APP through wifi or QR code rider	1.00	nos	1725000.00	1687740.00	1687740	1687740
28.8	Item No278 SITC of MEDIA server	1.00	nos	57500.00	56258.00	56258	56258
28.9	Item No279 SITC Mobile app for QR code	1.00	nos	230000.00	225032.00	225032	225032
29.0	Item No280 SITC of Approved content and video	8.00	nos	287500	2250320.00	281290	2250320
29.1	Item No281 SITC of entry art work of height 8000mm made up of fibre body made up of glowing fibre with base of 2500 x 1000 mm	1.00	set	805000.00	787612.00	787612	787612
29.2	Item No282 SITC of RGB lights of 24 watt 16 nos DMX control with continuous transition made by aluminium extrustion with connecting cable & controller	1.00	set	230000.00	225032.00	225032	225032
29.3	Item No283	30.00	sq	86250.00	2531610.00	84387	2531610

	SITC of LED screen with 31.5 mm pitch with high brightness of 3500 NIT day visibility with media server		meter				
29.4	controller Item No284 SITC of Programme controller and present scene controller with built in memory 256 GB and ram of 16 GB to store programme	1.00	nos	327750.00	320671.00	320671	320671
29.5	Item No285 Set of all control cable and power cable	1.00	set	115000.00	112516.00	112516	112516
29.6	Item No286 SITC OF RGB laser system projection with laser power of 42 watt (red 9w/638nm. Green 13w/525nm, blue 20w/ 455nm ). Cooling mode - lasr with TEC cooling, whote machine is with air cooling, whote machine is with air cooling, with enclosure of IP65, power consumption 1200 watt. Laser service life 10000 hoursand operating volatge 230 volt 50Hz.lighting effect- full color animation laser with high speed galvanometer scanning technology. laser projector should confirm to EU norm and CE / UL certified. (Kvant / Aura / Bajaj)	1.00	NOS	3220000.00	3150448.00	3150448	3150448
29.7	Item No287 SITC of customised laser enclosure for all laser projector with IP65 protection with security mechanism ( techvisio / mapan / Aura)	1.00	NOS	230000.00	225032.00	225032	225032
29.8	Item No288 SITC of pangolin software to develop various lighting show (Pangolin / laser world / star dimension)	1.00	Set	103500.00	101264.00	101264	101264
29.9	Item No289 SITC of wiring , power cable , control cable for laser	1.00	Set	575000	562580.00	562580	562580
30.0	Item No290 Content with Script writing: includes movement, actions, expression and dialogue of the characters, drama Storyboard, Storytelling, 2D 3D animation, Graphics, Art Works, Archival Imagery, Video-timeline, SFx, VFx, Voiceovers and Music etc for the show.etc for about 15 mins.	15.00	Minutes	396750.00	5822700.00	388180	5822700
30.1	Item No291 Item No291 SITC of ISO 7240-16 Certified EVAC PA controller capable of adding 12 zones in the system and expandable upto 400 zones with 14x 4 Audio matrix with full DSP functionality. 8 audio, inputs, 4 audio outputs, 4 channel output matrix. Shall support the following: single line, switching, amplifier redundany, 4 x 100V audio inputs, and 12 speaker line outputs. Fault, warning and event conditions log. Built in message, manager for 100 emergency/business calls up to 85 minutes. 18 control inputs and 18, control outputs. Impedance measurement and Pilot Tone supervision for speaker line, monitoring. The network controllers shall have a possibility to be integrated using an, interface module which is able to send and receive Audio to and from other, Controllers.Frequency response (ref. 1	1.00	NOS	287040.00	280840.00	280840	280840

kHz) 20 Hz to 20 kHz (-0.5 dB),         Signal-to-noise ratio, (A-weighted):         Line in to line out: 106 dB typical,         THD+N < 0.05%, Crosstalk (line	1
Signal-to-noise ratio, (A-weighted):       Line in to line out: 106 dB typical,	
Line in to line out: 106 dB typical,	
THD+N $\leq 0.05\%$ , Crosstalk (line	
level) Line, in to line out (0 dB gain):	
< 100 dB at 1 kHz, Sample rate 48	
kHz, DSP processing resolution, 24-	
bit linear A/D and D/A conversion,	
48-bit processing. Graphics User	
Interface software, should be	
considered for Monitoring and control	
of signal.MAKE/BRAND: Bosch	
30.2 Item No292	
SITC of The Digital call station shall	
be an EN54-16 & ISO 7240 -16	
certified user interface.	
It shall be designed in a modern and	
robust chassis with a graphical	
display.	
As standard, the call station shall have	
a gooseneck microphone with pop	
shield and permanent monitoring, an	
illuminated LC-display and an	
integrated loudspeaker to be used, for	
system sounds, It shall be possible to	
modify the call station to suit the	
user's requirements by connecting, up	
to five remote call station extensions,	
each with 20 free customizable	
functions and selection buttons., The	
Call station shall have a built-in	
numerical keypad; it shall be possible	
to enable or disable the keypad during	
configuration	
• Five menu/function keys (nre	
	100814 100814
programmed) – four buttons shall	
provide each 1 LED (two	
LED's shall be 2 green and 2 LED's	
shall be yellow).	
• Green led on the microphone which	
is active during a call	
• 15 function and speed dial buttons	
(customizable), two LEDs (green/red)	
per button.	
Button functions shall be	
programmable such as:	
Zone select, source select, level	
control, emergency on/off, message	
on/off. failure	
acknowledge/reset.	
• switching output trigger on/off or 0	
to 10V, select scheduled events,	
scheduled event	
on/off.	
• CAT5 cable for data and audio	
connection to controller (can bus, up	
to 1000 meter).MAKE/BRAND:	
Bosch	
30.3 Item No293	
SITC of The call station extension	
shall be EN54-16 Certified. It shall be	
designed in a robust andmodern	
chassis. It shall expand the call station	
enuosis, it shull expand the call station	
by 20 customizable functions keys.•	
by 20 customizable functions keys.• 20 free customable functions keys,	I
by 20 customizable functions keys.• 20 free customable functions keys, and two LEDs per button (green/red) •	(0524 (0524
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red). 1 00 NOS 61870 00 60534 00	60534 60534
by 20 customizable functions keys.• 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button 1.00 NOS 61870.00 60534.00	60534 60534
by 20 customizable functions keys.• 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source	60534 60534
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source select, level control, emergency	60534 60534
by 20 customizable functions keys.• 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source	60534 60534
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source select, level control, emergency on/off, message on/off,	60534 60534
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source select, level control, emergency on/off, message on/off, failureacknowledge/reset.• switching	60534 60534
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source select, level control, emergency on/off, message on/off, failureacknowledge/reset.• switching output trigger on/off or 0 to 10V,	60534 60534
by 20 customizable functions keys. 20 free customable functions keys, and two LEDs per button (green/red).• It shall be possible to program button functions as:• Zone select, source select, level control, emergency on/off, message on/off, failureacknowledge/reset.• switching	60534 60534

	programmable for own indication functionalityMAKE/BRAND: Bosch						
30.4	Item No294 SITC of EN54-24 Certified IP65 rated outdoor surface mount speaker to be supplied with standard U-bracket, Maximum power22.5 W, Power tapping15/7.5/3.75/1.9 W, Sound pressure levelat rated power / 1 W(1 kHz, 1 m)98/86 dB (SPL), Opening angleat 1 kHz / 4 kHz(-6 dB)179° / 101° (hor.)168° / 35° (ver.)MAKE/BRAND: Bosch	100.00	NOS	9948.00	973300.00	9733	973300
30.5	Item No295 SITC of EN54 Certified EVAC Router for adding 24 zones in the system and to route 4 channels into, 8 100V audio inputs to 24 loudspeaker line outputs. 2-in-6 matrix. 20 Control Inputs, 26, Control Outputs. Shall support single line switching or redundant group A/B switching, amplifier redundancy. Impedance measurement and Pilot Tone supervision for speaker line monitoringMAKE/BRAND: Bosch	1.00	NOS	238510.00	233358.00	233358	233358
30.6	Item No.296 SITC of 480 W power amplifier in a 3U high housing with 70 V / 100 V and 8 ohm outputs, Dual inputs with priority switching, 100 V input for slave operation on 100 V speaker line, Mains, battery back-up, With Following Features: 1.Output power (rms) 480 W 2.Frequency response 60 Hz to 18 kHz (+1 / -3 dB at -10 dB ref. rated output) 3.Distortion <1% @ rated output power, 1 kHz 4.S/N (flat at max volume) >90 dB 5.Battery power supply:24 VDC MAKE/BRAND: Bosch	4.00	NOS	49680.00	194428.00	48607	194428
30.7	Item No. 297 Standard Consistancy, Fineness, Specific Gravity, Setting Time ( Initial & Final), Compressive Strength, Soundness.	10.00	1 Test	1175.00	11500.00	1150	11500
30.8	Item No. 298 Water Absorption, Specific Gravity,Impact Value, Crushing Value.	10.00	1 Test	585	5720.00	572	5720
30.9	Item No. 299 Sieve Analysis.	10.00	1 Test	1260.00	12330.00	1233	12330
31.0	Item No. 300 Abrasion Value.	10.00	1 Test	4880.00	47750.00	4775	47750
31.1	Item No. 301 Flakiness Index & Elongation Index.	10.00	1 Test	870.00	8510.00	851	8510
31.2	Item No. 302 Stripping Value. (for Bituminous	10.00	1 Test	3465.00	33900.00	3390	33900
31.3	Work) Item No. 303	10.00	1 Test	1895.00	18540.00	1854	18540
31.4	Soundness. Item No. 304 GSB Mix Design./Cement Treated Sub Base ( CTSB)	1.00	1 Test	670.00	656.00	656	656
31.5	Item No. 305 Fineness Modulus ( Sieve Analysis ),Silt & Clay Content	10.00	1 Test	1755.00	17170.00	1717	17170
31.6	Item No. 306 Chloride & Sulphate Content.	10.00	1 Test	735.00	7190.00	719	7190
31.7	Item No. 307	10.00	1 Test	5380	52640.00	5264	52640

31.8	Silt Factor. Item No. 308 Flexural test ( Set of 6 Tiles), Water Absorption ( Set of 6	10.00	1 Test	2630.00	25730.00	2573	25730
	Tiles).Resistance to wear (Set of 6 Tiles).						
31.9	Item No. 309 Flooring of Natural Stone (Kota,Marble, Granite,Tandur.etc.) Water absorption, Specific gravity	10.00	1 Test	3225.00	31550.00	3155	31550
32.0	Item No. 310 Compressive Strength OF C.C. Cube (Set of 3 cubes).	4.00	1 Test	4080.00	15968.00	3992	15968
32.1	Item No. 311 Concrete Mix Design (With all Tests on basic materials)	1.00	1 Test	810.00	793.00	793	793
32.2	Item No. 312 Compressive Strength , Water Absorption,(Set of 8 Blocks)	1.00	1 Test	215.00	210.00	210	210
32.3	Item No. 313 Crushing Value/Compressive Strength, Water Absorption & Specific Gravity,	10.00	1 Test	1785.00	17460.00	1746	17460
32.4	Item No. 314 Sieve Analysis.	5.00	1 Test	4280.00	20940.00	4188	20940
32.5	Item No. 315 Liquid limit & plastic Limit.	5.00	1 Test	2155.00	10540.00	2108	10540
32.6	Item No. 316 Compaction Test ( Proctor Density ).	5.00	1 Test	1935	9465.00	1893	9465
32.7	Item No. 317 Sulphate & Chloride Contents.	5.00	1 Test	17400.00	85120.00	17024	85120
32.8	Item No. 318 Penetration, Softening Point, Flash & Fire Point, Specific Gravity	2.00	1 Test	17400.00	34048.00	17024	34048
32.9	Item No. 319 Extraction Test.(Bituminous mix)	2.00	1 Test	5060.00	9902.00	4951	9902
33.0	Item No. 320 Extraction & Sieve Analysis of Bituminous mix ( for BM/DBM/AC) (2 samples of extraction for one sieve analysis including extraction)	2.00	1 Test	6685.00	13082.00	6541	13082
33.1	Item No. 321 Job Mix Design with all Tests on aggregate (Excluding bitumen) for DBM/SDBC/AC/SMA (Stone Mastic Ashphalt) (Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	12280.00	24030.00	12015	24030
33.2	Item No. 322 B. M. Mix Design with all Tests on aggregate (Excluding bitumen) ( Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	19855.00	38852.00	19426	38852
33.3	Item No. 323 Seperation test for modified bitumen.	2.00	1 Test	7850.00	15360.00	7680	15360
33.4	Item No. 324 Density Test . (Set of 3 Blocks ),Compressive Strength. (Set of 3 Blocks ),Water Absorption Test (Set of 3 Blocks )	1.00	1 Test	7850.00	7680.00	7680	7680
33.5	Item No. 325 PH Value, Sulphate & Chloride Content.	4.00	1 Test	360	1408.00	352	1408
33.6	Item No. 326 Weight per running meter,Diameter of pipe & wall thickness of pipe,	1.00	1 Test	5300.00	5186.00	5186	5186
33.7	Item No. 327 Weight per running meter, Diameter of pipe & wall thickness of pipe	1.00	1 Test	1700.00	1663.00	1663	1663
33.8	Item No. 328 Upto 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend /	4.00	1 Test	4675.00	18296.00	4574	18296

	Rebend Test, Proof Stress.)						
33.9	Item No. 329 Above 16 mm (Set of 3 Bars)						
	(Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	2.00	1 Test	108600.00	212508.00	106254	212508
34.0	Item No. 330 Reflectance & yellowness index.	1.00	1 Test	80.00	78.00	78	78
34.1	Item No. 331 Retro Reflective Test.	1.00	1 Test	80.00	78.00	78	78
34.2	Item No297 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant	81.66	Rmt	1175.00	93909.00	1150	93909
34.3	Item No298 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	81.66	Sqm	585.00	46709.52	572	46709.52
34.4	Item No299 Providing and Laying factory made coloured chamfered edge Cement concrete grass paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine fine aggregate (natural sand/crushed sand VSI grade finely washed etc.), compacting and proper embedding/laying of inter locking paver blocks into the fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) bedding layer through vibratory compaction by using plate vibrator, filling the joints with fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and cutting of paver blocks as per required size and pattern, finishing and sweeping extra fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and complete as per manufacturer spsecifications & direction of Engineer-in-Charge. 60mm thick CC paver block of M-35 grade concrete with approved colour and design & pattern.	54.76	Sqm	1260	67519.08	1233	67519.08
34.5	Item No300 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of	967.63	Sqm	4880.00	4620433.25	4775	4620433.25

35.2	Item No307	16.88	Sqm	5380.00	88856.32	5264	88856.32
35.1	Item No306 Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	767.53	Sqm	735.00	551854.07	719	551854.07
35.0	Item No305 Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. a) One side polish	189.36	Sqm	1755.00	325131.12	1717	325131.12
34.9	Item No304 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant	702.33	Rmt	670.00	460728.48	656	460728.48
34.8	Item No303 Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment)of the approved brand and make and specified colour for outdoor floors such as footpath, courtyard, multimodals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per direction of engineer in charge	34.07	Sqm	1895.00	63165.78	1854	63165.78
34.7	Item No302 Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and Risers 12 mm thick, required width and required finish in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.	10.32	Sqm	3465.00	34984.80	3390	34984.8
34.6	mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. Item No301 Providing leather finished polishing to Granite Stone slab by continuous grinding in 4 coats of different bits to receive rough and matt finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	967.33	Sqm	870.00	823197.83	851	823197.83
	approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar						

	CAST IN SITU SAFETY RUBBER FLOORING SYSTEM WITH including 20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule absolute thickness =25mm .(as per drawing attached) etc. including VAT, tax complete. Manufacturers warranty is 5 years.						
35.3	Item No308 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm thick bed as required line, level, shape and size as instructed by Engineer incharge. Item including color pigments, lead lift, curing, cutting, all material and labour with wastage etc. complete all	6.08	Sqm	2630	15643.84	2573	15643.84
35.4	Item No309 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 16 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete. with prior approval of concerned Superitending Engineer.	1139.60	Sqm	3220.00	3589740.00	3150	3589740
35.5	Item No310 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete.	12.83	Sqm	4080.00	51217.36	3992	51217.36
35.6	Item No311 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	216.23	Sqm	810.00	171470.39	793	171470.39
35.7	Item No312 Providing vee pointing with cement mortar 1:3 for stone /Brick masonry including scaffolding and curing etc. complete	79.02	Sqm	215.00	16594.20	210	16594.2
35.8	Item No313 WOODEN FINISH PAINTING OF EXISTING WOODEN FINISH TEXTURED SURFACE CEMENT CONCRETE BENCH including any material, machinery, scaffolding etc. complete. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of	1653.80	Sqm	1785.00	2887534.80	1746	2887534.8

				1	1		· · · · · · · · · · · · · · · · · · ·
1	Providing and laying polished hand						
1	cut Kotah Stone flooring 25mm to						
	30mm thick and 45cm to 55cm wide						
	in plain/diamond pattern on a bed of						
	1:6 C.M. including cement float,						
	filling joints with neat cement slurry,						
	curing, polishing and cleaning						
	complete.						
36.2	Item No317						
	Design Conceptualisation & painting	15408.00	Sqm	980	14776272.00	959	14776272
	3D artwork on any surface at all	13408.00	Sqiii	980	14//02/2.00	959	14//02/2
	height and locations as directed.						
36.3	Item No318						
50.5	Providing and laying cement concrete						
	wearing coat M30 grade with batch						
	mix type / concrete mixer with						
	SCADA including reinforcement as	11.13	Cum	17400.00	189477.12	17024	189477.12
	per drawings and technical	11.15	Cum	17100.00	105177.12	1/021	10/11/112
	specifications etc. complete with fine						
	agreegates of required specifications						
	(Natural sand / VSI sand finely						
	washed etc )						
36.4	Item No319						
50.4	Providing and fixing machine cut						
	machine polished 18 mm to 20 mm						
	thick telephone black / Amba White /						
	Cat bary brown /RBI red / Ocean						
	Brown granite stone for treads and						
	risers of steps and staircases of						
	approved colour and shade with	6.29	Sqm	5060.00	31141.79	4951	31141.79
	rounded moulding and three grooved						
	line for the treads on bed of 1:4						
	Cement mortar including float filling						
	joints with neat cement slurry curing						
	polishing and cleaning etc. complete.						
	Skirting Spec.No. : Bd. M.22 B/Page						
	No. 390						
36.5	Item No320						
	Providing&fixing in position 20 +/-						
	2mm thick machine cut,						
	mirrorpolished, 1st quality granite						
	cladding such as black galaxy or						
				1			
	approved equivalent in lift lobby /						
	naccage installed in approved notton						
	passage installed in approved pattern						
	and design of size 600 x 1200mm and	(a <b>a</b> -	G	<i></i>	201005.05	~ <b>-</b> • -	<b>20</b> (22 =
	and design of size 600 x 1200mm and as directed includingbackingcoat of	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments.	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing,	60.25	Sqm	6685.00	394095.25	6541	394095.25
	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic	60.25	Sqm	6685.00	394095.25	6541	394095.25
26.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.)	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per		Sqm				
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3	60.25	Sqm	6685.00	394095.25 97362.00	6541	394095.25 97362
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1 m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1 m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for						
36.6	and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base						

			1	1	1		
1	including Cement, Sand, Aggregate,						
	chemical, adhesive, chickenmesh,						
	primer, paint, polish, paper, etc. all						
	material, labor, scaffolding,						
	excavation, pcc, tor steel etc. all						
	complete. Work done should be as per						
	a approved sample & the instructions						
	of engineer incharge.						
36.7	Item No322						
50.7	-						
	Ss Dust Bin (Refer sketch 10) Product	12.00	No	19855.00	233112.00	19426	233112
	area:0.76Sqm, Capacity in ltrs: 42.0						
	ltrs, Product height:0.92m						
36.8	Item No323						
	Design and engineering, supply and						
	fixing of tensile membrane of high						
	tensile strength, primary and						
	secondary steel, hardware and						
	accessories, including the fabrication						
	of steel structure made out of MS						
	structural steel tubular section of high						
	yield strength as per relevant IS codes.						
	The tensile membrane roof cover shall						
	be of PVC coated polyester composite						
	membrane of approved make and						
	quality including membrane cutting,	48.59	Sqm	7800.00	370838.88	7632	370838.88
	seaming and HF welding as per						
	manufacturer standards. The						
	membrane shall be fixed to MS						
	structural members with necessary SS						
	plates, lugs, clamping plates as						
	required. The membrane shall be						
	stretched and tensioned as per the						
	design approved. The Membrane shall						
	be flame resistant, fungicide finish,						
	high tear out force and continued tear						
	out force, well wieldable, good UV						
	resistance, high water pressure						
260	resistance and very low maintenance.						
36.9	Item No324						
	Bamboowood 10mm thick Wall						
	Cladding including Threshold & T-						
	mold for Accoustic purpose Providing						
	& fixing in position Phonol hondod						
	& fixing in position Phenol bonded						
1	Bamboowood wall cladding at all						
	Bamboowood wall cladding at all height with planks of sizes 10mm						
	Bamboowood wall cladding at all height with planks of sizes 10mm						
	Bamboowood wall cladding at all						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile.						
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The Bamboowood planks shall have	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The Bamboowood planks shall have minimum density of 1000	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood placed centre of two teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The Bamboowood planks shall have minimum density of 1000 Kilogram/cum & minimum Hardness	132.53	Sqm	7845.00	1017300.28	7676	1017300.28
	Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The Bamboowood planks shall have minimum density of 1000	132.53	Sqm	7845.00	1017300.28	7676	1017300.28

	direction of Engineer in-charge.						
37.0	Item No325						
	Providing and applying two coats of						
	exterior weather shield paint of						
	approved manufacture and of						
	approved colour to the plastered						
	surfaces including leaning, preparing	364.80	Sqm	360.00	128409.60	352	128409.6
	the plaster surface, applying primer	501.00	Sqiii	500.00	120109.00	002	12010710
	coat ,scaffolding if necessary, and						
	watering the surface for two days etc						
	complete. NOTE:ForItem Number 15						
	to 18 prior approval of Superintending						
	Engineer will be necessary						
37.1	Item No326						
	Providing and laying telephone black /						
	Amba White / Cadburybrown / RBI						
	red / Ocean Brown granite stone of 18						
	to 20 mm thick for door frame/ dado/						
	window boxing etc. On C.M. 1:6	0.56	Sqm	5300	2904.16	5186	2904.16
	including filling joints with polymer	0.50	Squi	5500	2904.10	5100	2904.10
	base filler nosing the sharp edges						
	wherever necessary, curing, etc.						
	complete. Specifications: Bd. M. 12						
	Spec. No.: As directed by Engineer-						
	In- Charge						
37.2	Item No327						
	Providing and laying ceramic tiles						
	having size 30 cm. x 60 cm.						
	confirming to corresponding I.S. for						
	dado and skirting in required position	24.62	S	1700.00	40943.06	1663	40943.06
	with readymade adhesive mortar of	24.62	Sqm	1700.00	40943.00	1005	40943.00
	approved quality on plaster of 1:2						
	cement mortar including joint filling						
	with white/ colour cement slurry						
	cleaning curing etc. complete.						
37.3	Item No328						
	Providing, aupplying, fabricating and						
	fixing panel of aluminium composite						
	panel cladding in approved shape						
	made out of 4 mm thick ACP sheet						
	material consisting of 3mm thick FR						
	grade mineral core following NBC						
	part IV Fire and life safety (having 2						
	hours fire resistance in accordance to						
	ASTM E119-12 and BS476 part 6 and						
	7 class O) sandwitched between two						
	aluminium sheets (each 0.5 mm thick						
	of AA 5005/AA3105 grade) The						
	aluminium composite panel cladding	61.61	Sqm	4675.00	281804.14	4574	281804.14
	sheet shall be coil coated with kynar						
	500 based PVDF/Lumiflon based						
	fluropolymer resin (having 70:30 ratio						
	of PVDF and acrylic) coating of						
	approved colour and sg=hade on top						
	face and polymer (service) coating of						
	bottom face as specified using		1				
						1	
	stainless steel						
	stainless steel						
	stainless steel screws,nuts,bolts,washers,cleats,weath						
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc						
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not						
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square						
37.4	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)		Monthl				
37.4	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329	60.00	Monthl	108595.00	6374940.00	106249	6374940
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost -	60.00	у	108595.00	6374940.00	106249	6374940
37.4 37.5	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330		y Per				
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost -	60.00	y Per Sqm/M	108595.00	6374940.00	106249	
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330		y Per				
	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330 Garden Maintenace (Including Cost of		y Per Sqm/M				
37.5	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330 Garden Maintenace (Including Cost of Water) - 2nd Year Item No 331		y Per Sqm/M onth Per				
37.5	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330 Garden Maintenace (Including Cost of Water) - 2nd Year Item No 331 Garden Maintenace (Including Cost of		y Per Sqm/M onth				601941.6
37.5	stainless steel screws,nuts,bolts,washers,cleats,weath er silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre) Item No 329 Civil Operation Cost - Item No 330 Garden Maintenace (Including Cost of Water) - 2nd Year Item No 331	7717.20	y Per Sqm/M onth Per	80.00	601941.60	78	6374940 601941.6 722329.92

	Garden Maintenace (Including Cost of		Sqm/Mo nth				
	Water) - 4th Year		iiui				
37.8	Item No 333		Per				
	Garden Maintenace (Including Cost of	13119.24	Sqm/Mo	80.00	1023300.72	78	1023300.72
	Water) - 5th Year		nth				
37.9	Item No 334						
	Electrical and Public Art Lighting -	1.00	Yearly	2828150.00	2767062.00	2767062	2767062
	Comprehansive Maintenance for 2nd	1.00	rearry	2828130.00	2/0/002.00	2707002	2707002
20.0	Year						
38.0	Item No 335						
	Electrical and Public Art Lighting -	1.00	Yearly	4525030	4427289.00	4427289	4427289
	Comprehansive Maintenance for 3rd Year		-				
38.1	Item No 336						
56.1	Electrical and Public Art Lighting -						
	Comprehansive Maintenance for 4th	1.00	Yearly	6221915.00	6099863.94	6099863.94	6099863.94
	Year	1.00	really	0221915.00	0077005.71	0077005.74	0077002.74
38.2	Item No 337						
50.2	Electrical and Public Art Lighting -						
	Comprehansive Maintenance for 5th	1.00	Yearly	7918800.00	7747754.00	7747754	7747754
	Year						
38.3	Item No 338	60.00	Monthly	18400.00	1080180.00	18003	1080180
	Electical Work - Operation Amount	00.00	wonuny	18400.00	1080180.00	10003	
	Total Amount						1219838909.
					1246766893		Final Negotiate
							Amount

## कार्यालयीन प्रस्तावना

वरील कामी मे. एन.ए.कंस्ट्रक्शन प्रा.लि. यांनी दरवाटाघाटीनंतर **वरील** दराची (रु.121,98,38,909/-) निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

## प्रशासकीय ठराव क्र. दिनांक

मिरा भाईंदर महानगरपालिका क्षेत्रातील वरील 01 कामांस मान्यता देण्याच्या प्रस्तावाचे अवलोकन करण्यात आले. महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषतः कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, संजय काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा.महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केलेल्या विषयास अनुसरुन खालील कामाच्या मे. एन.ए.कंस्ट्रक्शन प्रा.लि. यांनी दरवाटाघाटीनंतर रक्कम रु.121,98,38,909/- दराची निविदा सादर केली आहे. सदर निविदाधारकाने दरवाटाघाटीनंतर रक्कम रु.121,98,38,909/- (अंदाजपत्रकिय दराच्या) निविदेस महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (क) नुसार मान्यता देण्यात येत आहे.

अ. क्र	टेंडर आय डी	काम	गचे नाव		अंदा	जित खर्च	निविदाधार	काचे नाव		
1	2		3			4	5			
1.	1050627_1 वर्सोवा ब्रिज ते घोडबंदर विकसीत करणे. (मुलभु योजना)		गावाशेजारी ख		रु.1,21,9	98,38,909/-	मे. एन.ए.कंस्ट्रक्शन प्रा.लि.			
Sl. No.	Iten	Item Description		Item Description Quantity		Units	Quated Rate		Final Negotiate Amount	
					Rate	Total Amount	Rate	Total Amount		
1.1		zer D 80 A 12 (Medium aling of various structure ite.	147.00	Hr	3480	511560.00	3405	500535		
1.2	thorney shrubs and alike grass	es for removing grass, s, Jungli shrub, Kubabul s along roadside making can by showel and complete.	37982.00	Sqm	8.00	303856.00	8	303856		
1.3	Item No.3 Excavation for soil of all type murum, include excavated ma of 50 m. bey and stacking a directed, dew bed for the f necessary back watering inclu strutting etc. c m.) By Mecha	r foundation in earth, es, sand, gravel and soft ding removing the terial up to a distance rond the building area and spreading as atering, preparing the coundation and k filling, ramming, iding shoring and omplete. (Lift upto 1.5	14946.75	cum	180.00	2630628.00	176	2630628		
1.4	murum includ excavated ma 50 metres be and stacking directed, dewa bed for the f necessary bac watering inclu- strutting etc.	or foundation in hard ing removing the terial upto distance of yond the building area and spreading as atering, preparing the coundation and coundation, ramming, uding shoring and complete. (Lift upto Mechanical Means	3557.61	cum	180.00	626139.36	176	626139.36		
1.5	Item No.5 Excavation for rock by manua removing the distance of 50 area, stacking directed includ provided elsev for the founda backfilling, re complete inclu strutting. (Lif by mechanical excavator & re	r foundation in hard al means inclucing excavated materials upto m beyond the building and spreading as ding dewaiting under where preparing the bed tion & necessary maining, watering uding shorting & t up to 1.5M) Hard Rock I means with hydraulic ock mplete.BDA 1 to 4	921.30	cum	1250.00	1126749.90	1223	1126749.9		
1.6	Item No.6 Removing san bellow low tid section from n the area and do sea bed by me hyderaulic exc	d/ muck/ slush/ soil le level to the specified lavigation channel as per epth upto 3.00 m from chanicel means with, cavator, etc. and barge nt all machinery with all	6412.50	cum	525.00	3296025.00	514	3296025		

	1		1	1		1	1
	required tools and equipments, boat						
	for conveying excavetd						
	material, including removing the						
	excavated materials with all lift and						
	leads as directed beyond high tide level line of water stacking spreading						
	or disposing, dewatering if required						
	unless otherwise provided else where						
	complete under tidal condition.						
1.7	Item No.7						
1.,	Transporting of excavated/Dismantled	19989.76	cum	500.00	9774992.64	489	9774992.64
	materialslead 20 K.M.						
1.8	Item No.8						
	Filling in Plinth & Floors with						
	Approved Excavated materials in 15	13926.94		110.00	1504100 52	108	1504109.52
	to 20 cm layers including watering	13920.94	cum	110.00	1504109.52	100	1304109.32
	and compaction complete.						
	BDA 10 Pgno 262						
1.9	Item No.9						
	Filling in plinth and floors with						
	contractors material/brought from outside and approved by Engineer	55280.20		1000.00	54064221.42	079	540(4221.4
	incharge in layers of 15 cm to 20	55280.39	cum	1000.00	54004221.42	978	54064221.4
	cm including watering and						
	compaction etc. complete.						
2.0	Item No.10				1		
1	Providing dry/ trap/ granite/ quartzite/						
	gneiss rubble stone soling 15 cm to 20	11967.33	cum	2500	29272089.18	2446	29272089.2
	cm thick including hand packing and						
	compacting etc. complete.						
2.1	Item No.11						
	Dewatering on BHP basis by using						
	water pump including diversion of						
	stream, providing cofferdams,						
	earthern bunds etc. as may be necessary for foundation and other						
	parts of the the works and pumping	4000.00	hour	200.00	784000.00	196	784000
	out water during and after excavation						
	as may be required by using 5.0 to 9.0						
	BHP pump etc. complete. (prior						
	approval of Superintending Engineer						
	will be necessary).						
2.2	Item No.12						
	Providing and laying Cast in						
	situ/Ready Mix cement concrete in M-						
	10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding						
	including bailing out water,						
	formwork, laying/pumping,						
	compacting, roughening them if	2602.00		6500.00	170/22/11/20		180/00/11
	special finish is to be provided,	2682.90	cum	6500.00	17063244.00	6360	17063244
	finishing if required and curing						
	complete, with fully automatic micro						
	processor based PLC with SCADA						
	enabled reversible Drum Type						
	mixer/concrete Batch mix plant (Pan						
	mixer) etc. complete. With natural						
2.3	sand Item No.13						
2.5	Providing and laying Cast in				1		
	situ/Ready Mix cement concrete						
	in M15 of trap/granite/ quartzite/				1		
	gneiss metal for steps including steel				1		
	centering, formwork, laying/				1		
1	pumping, compacting, roughening				1		
1	them if special finish is to be	930.09	cum	7500.00	6825000.42	7338	6825000.42
	provided, finishing uneven and	250.09	Juill	, 500.00	0023000.42	7550	002000.72
	honeycombed surface and curing etc.						
	complete. The Cement Mortar 1:3				1		
	plaster is considered for rendering				1		
1	uneven and honeycombed surface,				1		
	only Newly laid concrete chall be						
	only. Newly laid concrete shall be covered by gunny bag, plastic,						
	covered by gunny bag, plastic, tarpaulin etc. (Wooden centering						

	will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
2.4	Item No.14 Providing and laying Cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks, laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade)	396.30	cum	8500.00	3295630.80	8316	3295630.8
2.5	Item No.15 Providing and laying Cast in situ/ Ready Mix cement concrete M-40 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork, cover blocks, laying/ pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel)etc.complete With fine aggregate (Crushed sand VSI Grade)	504.22	cum	9000.00	4440161.32	8806	4440161.32
2.6	Item No.16 Providing and laying Cast in situ/Ready Mix cement concrete in M- 25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand. Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38 Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor	63.45	cum	11500.00	713939.40	11252	713939.4

	based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
2.7	Item No.17 Providing and laying Cast in situ/Ready Mix cement concrete in M- 25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand	219.61	cum	14500.00	3115607.07	14187	3115607.07
2.8	Item No.18 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	26.97	cum	14500.00	382623.39	14187	382623.39
2.9	Item No.19 Item No.19 Providing and laying in situ / ready mix M-35 cement concrete of trap /granite/quartzite/ gneiss metal for cast in citu R.C.C. solid piers,column etc . including provision of V shaped false joints to form suitable panels on the faces to approve design with compacting by vibrating and curing complete. Including plywood/steel formwork, centering ( excluding dewatering by means of pump) and including bailling out water and including CM 1:3 curing complete. a) Height upto 5 M. (With Concrete Mixer) i) Height upto 5 m, normal rate. ii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent extra for every 2.50m rise with fine agreegates of required specifications ( VSI sand finely washed etc )	547.81	cum	11000	5895531.22	10762	5895531.22
3.0	Item No.20 Providing and laying Cast in situ/Ready Mix cement concrete M- 25 of trap/ granite / quartzite/ gneiss	164.70	cum	14500.00	2336598.90	14187	2336598.9

			1				,
	metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI						
3.1	Grade) Item No.21 Providing and laying cast in situ / ready mix M35 RCC for 1000 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawal of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc )	660.00	Rmt	11000.00	7102920.00	10762	7102920
	Item No22 Providing and laying cast in situ / ready mix M40 RCC for 800 mm diameter bored piles each of load capacity as per design and of specified diameter of as directed, placed through steel shell sunk to the required depth through all strata except rock, excluding provision of reinforcement including placing concrete by tremie arrangement, compaction of concrete and withdrawal of steel shell with fully automatic micro processor based PLC with SCADA enabled with reversible drum type mixer/ concrete batch mix plant (pan mixer) etc. complete.with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc) Height10-15m	4350.40	Rmt	16500.00	70232857.60	16144	70232857.6
3.3	Item No23 Extra for Chiselling in hard rocks including removing and stacking the loose material and disposing the unserviceable materials as directed etc. complete.A) With Concrete Mixer iv) 1000 mm dia	569.40	RMT	2500.00	1392752.40	2446	1392752.4
3.4	Item No24 Providing, placing and driving in position 6mm thick permanent MS liner up to required depth with 12 mm thick MS cutting edge of 0.50 meter length of bottom including fabricating, cutting the MS sheet to required	735.93	MT	106000.00	76323300.30	103710	76323300.3

	diameter and shape, welding the joints and driving with the help of required machineries, all materials, labour and lift etc. complete. (Excluding steel reinforcement)						
3.5	Item No25 Chipping and dressing of the R.C.C. piles upto 0.60 meter including cleaning reinforcement and removal of dismantled materials upto a distance of 50 meter beyond the building area etc. for providing pile caps. (Excluding steel reinforcement)	229.00	Nos	700.00	156865.00	685	156865
3.6	Item No26 Providing and laying in situ M40 controlled cement concrete of trap/ granite/ quartzite/ gneiss metal for PSC work in solid/ deck slab etc. including ramming, vibrating, curing, formwork, centering and finishing in cement plaster excluding reinforcement etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with natural sand) i) Height up to 5 m, normal rate. ii) Height 5 to 7.50 m, add 5 percent extra. iii) Height 7.50 to 10 m, 7.50 percent extra. iv) Over 10 m Height, add 10 percent extra for every 2.50m rise.	2358.00	Cum	12000.00	27685278.00	11741	27685278
3.7	Item No27 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	141.92	cum	8500.00	1180206.72	8316	1180206.72
3.8	Item No28 Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	1161.51	MT	92000	104550999.6 3	90013	104551000
3.9	Item No29 Providing and fixing in position to the exact profile and prestressing the high tensile strands to specified ultimate strength, standard end anchorages,	86.03	МТ	175000.00	14730056.60	171220	14730056.6

	cable ducts, grouting ducts after prestressing and bearing plates with wedges as per detailed drawings including necessary plant and machinery for prestressing etc. complete.						
4.0	Item No30 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on un exposed faces and watering etc.complete.	1976.37	cum	7000.00	13536158.13	6849	13536158.1
4.1	Item No31 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc.complete.	878.48	cum	7350.00	6317149.68	7191	6317149.68
4.2	Item No32 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc.complete.	135.65	cum	12000.00	1592666.65	11741	1592666.65
4.3	Item No33 Providing & fixing G.I. wire Gabions coated with Zinc+PVC of required size, section including boxes made of mechanically woven hexagonal shaped wire mesh of type, 10x12cm. edges mechanically selvedged made of heavily (Zinc+ PVC) coated G.I. wires as per BS: 443, mesh wire 3.00 mm Ø edge wire 3.9 mm Ø and filled with 20 to 50 kilogram weight trap stones including conveying with all the leads & lifts and placing at required places in required line, level, slope as per drawing, section as directed etc. complete under tidal conditions. a) Gabions of size – 1.00 x 1.00 x 1.00 M	4395.00	cum	4820.00	20726820.00	4716	20726820
4.4	Item No34 Providing 100mm diameter GI water spouts as per detailed drawings in RCC slab and wearing surface / kerb etc. complete.	340.00	Nos	2500.00	831640.00	2446	831640
4.5	Item No35 Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete. (To be executed with prior approval of Superintending Engineer)	1570.95	cum	2850.00	4379808.60	2788	4379808.6
4.6	Item No36 Providing and laying CE Marked Needle Punched and Mechanically Bonded Non-Woven Geotextile (TechGeo) indigenously manufactured from high quality polypropylene	4320.00	Sqm	180.00	760320.00	176	760320

4.7	staple fibres (continuous filament will not be accepted) of Techfab India on the prepared subgrade for separation, drainage & filtration application with necessary overlaps as per drawing etc. complete. (Specification: MORTH Section-700 ) with prior approval of concerned Superitending Engineer. c) TFI TECHGEO PR-30 Item No37 Supplying Hot Rolled steel sheet piles having properties described in respective specifications or/ and						
	shown in drawings (Z or U type with sectional modulus of minimum 2500 cm3, steel grade S430 GP with minimum yield strength of 430 MPa, minimum thickness 12.0 mm thickness, with Larssen interlocks and applying recommended sealant for complete watertightness (if required) & using suitable corner sections as per site condition). Installing the same to line and level including making reformed steel sheet piles at required positions as corners, junction, wedges etc. as per approved drawing and specification in single or group jointing by welding properly, installing vertically along the alignment with the help of equipments like air compressors, excavator mounted / crane mounted vibro hammers / Impact Hammers / Hydraulic Pressing Hammers / vibrating drives powered by electric or hydraulicmotor or combination of both based on the site requirements through thegrooves to interlock together, wedges to make up for the permissibledeviation of piles from the plumb lines caused during pile driving, slippedpiles with the adjacent ones are found or loosened or dislocated duringor after installation , sheet pile tosuit the grove of existing sheet piles , including cost and conveyance of all materials, hire charges of equipments, hire charges of crane/rigs, costof electrodes, mobilisation and demobilisation charges, all labour, otherincidentals etc complete. ( No extra payment shall be made for cost ofextraction and replacement for installing of sheet pile deviating thespecification or rejected by Engineer -in-charge. The rate is inclusive ofproviding guide frames, cost of installation pit, formation and removal ofearthen bund etc.). Payment shall be made on actual denth of sheet nileinstallation	420.00	Sqm	14050	5773740.00	13747	5773740
4.8	Payment shall be made on actual depth of sheet pileinstallation. Item No38 Supplying Hot Rolled steel sheet piles having properties described in respective specifications or/ and shown in drawings (Z or U type with sectional modulus of minimum 2500 cm3, steel grade S430 GP with	938.95	Sqm	16000.00	14698323.30	15654	14698323.3

					1		
	thickness, with Larssen interlocks and						
	applying recommended sealant for						
	complete watertightness (if required)						
	& using suitable corner sections as per						
	site condition) .Installing the same to						
	line and level including making						
	reformed steel sheet piles at required						
	positions as corners, junction, wedges						
	etc. as per approved drawing and						
	specification in single or group						
	jointing by welding properly,						
	installing vertically along the						
	alignment with the help of equipments						
	like air compressors, excavator						
	mounted / crane mounted vibro						
	hammers / Impact Hammers /						
	Hydraulic Pressing Hammers /						
	vibrating drives powered by electric or						
	hydraulic motor or combination of						
	both based on the site requirements						
	through the grooves to interlock						
	together, wedges to make up for the						
	permissible deviation of piles from the						
1	plumb lines caused during pile						
	driving, slipped piles with the adjacent						
	ones are found or loosened or						
	dislocated during or after installation,						
	sheet piles shall be pulled out and						
	replaced with new ones or redone						
	including necessary modification to						
	the sheet pile to suit the grove of						
	existing sheet piles , including cost						
	and conveyance of all materials, hire						
	charges of equipments, hire charges of						
	crane/rigs, cost of electrodes,						
	mobilisation and demobilisation						
	charges, all labour, other						
	incidentals etc complete. (No extra						
	payment shall be made for cost of						
	extraction and replacement for						
	installing of sheet pile deviating the						
	specification or rejected by Engineer -						
	in-charge. The rate is inclusive of						
	providing guide frames, cost of						
	installation pit, formation and removal						
	of earthen bund etc.). Payment shall						
	be made on actual depth of sheet pile						
	installation.						
4.9							
4.9	installation. Item No39						
4.9	installation. Item No39 Supplying, fabricating and installing						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 /						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels,						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost						
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost	168.00	Sam	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane,	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane,	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour,	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper,other incidentals	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper,other incidentals etc complete.(Rate quoted shall	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper,other incidentals	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper,other incidentals etc complete.(Rate quoted shall	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper, other incidentals etc complete. (Rate quoted shall includes supplying, fabricating, drilling holes and fixing waling	168.00	Sqm	1400.00	230160.00	1370	230160
4.9	installation. Item No39 Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc. for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts &washers, all labour, painting one coat of zinchromite primer after rubbingand cleaning the surface with mechanical wire brushing, sand paper, other incidentals etc complete. (Rate quoted shall includes supplying, fabricating,	168.00	Sqm	1400.00	230160.00	1370	230160

	bolts & nuts etc.)						
5.0	bolts & nuts etc ). Item No40 Design and engineering, supply and fixing of tensile membrane of high tensile strength, primary and secondary steel, hardware and accessories, including the fabrication of steel structure made out of MS structural steel tubular section of high yield strength as per relevant IS codes. The tensile membrane roof cover shall be of PVC coated polyester composite membrane of approved make and quality including membrane cutting, seaming and HF welding as per manufacturer standards. The membrane shall be fixed to MS structural members with necessary SS plates, lugs, clamping plates as required. The membrane shall be stretched and tensioned as per the design approved. The Membrane shall be flame resistant, fungicide finish, high tear out force and continued tear out force, well wieldable, good UV resistance, high water pressure	360.00	Sqm	7000.00	2465640.00	6849	2465640
5.1	resistance and very low maintenance. Item No41 Design Conceptualisation & painting 3D artwork on any surface at all height and locations as directed.	7704.00	Sqm	1000.00	7534512.00	978	7534512
5.2	Item No42 Providing and Installing water fountain of 3 M dia with below sepcification wall should be of brick wall of0.45 m width and 0.9 m ht above ground and cladded with granite tiles. Inner area with wall and flooring should be waterproffed inner area wall and flooring should be done with premimum glass mosaic tiles. Electricals wire of 4 core 16 sqmm and submisserble pump of 7 HP with all necessary fitting and control panel (Including Glow lighting ) Main sculpture as shown in dwg in GRC and other small sculpture of any animal in GRC.Plumbing work with all necessary fittings of pipe and nozzle etc complete as directed by Engineer-In-Charge (With 5 Years of Maintenance)	2.00	Each	250000.00	4892000.00	2446000	4892000
5.3	Maintenance)         Item No43         Supplying and laying of high strength flexible geogrids (HSFG) as soil reinforcement / basal reinforcement made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength (LTDS) indicated below for 120 years design life at 20 degreeC. The LTDS should be strictly based on reliable test data and performance data available with the manufacturer from accredited independent agency certifying the Reduction Factor (RF) value for their geogrid for design temperature. The geogrid manufacturer should have creep test data from independent accredited laboratory for period over 5 years and should have minimum roll width of	21600.00	Sqm	500.00	10562400.00	489	10562400

	4.5m with core of MS steel tube convenient for handling and lifting work as per detailed specification all complete as per directions of Engineer in charge. (Reference MoRT&H 3100 & IRC 113).High strength geogrid of Long Term Design Strength 59.5kN/m						
5.4	Item No44 Providing and casting in C.C. M-25 for pier protection as per detailed drawing complete as specified and directed	1176.00	Rmt	6000.00	6903120.00	5870	6903120
5.5	Item No45 Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in Half brick thick wall including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972)	415.30	Sqm	1000.00	406163.40	978	406163.4
5.6	Item No46 Providing waterproof plaster in W.C. and bath 20 mm thick for dado in CEMENTmortar 1:3 with neat finishing, floating using approved waterproofing compound of IS Std. at the rate of one kg per 50 kg of CEMENTetc. complete.Spec.As directed by Engineer-In-Charge.	527.40	Sqm	600	309583.80	587	309583.8
5.7	Item No47 Providing vee pointing with cement mortar 1:3 for stone /Brick masonry including scaffolding and curing etc. complete	4457.60	Sqm	200.00	873689.60	196	873689.6
5.8	Item No48 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	3051.78	Sqm	600.00	1791394.86	587	1791394.86
5.9	Item No49 Providing and applying laying Aggregate plaster in granite / marble stones, as decorative finish to give granite / marble like appearance to concrete, brick or block surfaces in all position including preparation of surface smoothly, evenly by racking of joints in case of Brick or block work including backing layer of 12 mm thick with cement mortar 1:3 with 2% integral cement water proofing compound, roughening for wall keying hardening and drying the surface for a minimum five days gaps including second coat of cement lime mortar into a proportion 1:4 preparing the surface for three coat of marble finish plaster giving a thin coat of white cement and two parts of course	589.05	Sqm	2500.00	1440816.30	2446	1440816.3

	calcite powder, applying the mortar with steel float on the surface in proper evenness applying at coat of white cement and lime to set a smooth finish then applying a thin coat of slurry made of white cement and black oxide colour in required proportion by the steel float to get black streaks on the surface and curing the surface for two days including all materials and labour etc. complete.						
6.0	Item No50 Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including leaning, preparing the plaster surface, applying primer coat, scaffolding if necessary, and watering the surface for two days etc complete. NOTE:ForItem Number 15 to 18 prior approval of Superintending Engineer will be necessary	182.40	Sqm	300.00	53625.60	294	53625.6
6.1	Item No51 Providing and applying two coats of protective membrane over the cured concrete surface like R.C.C. footings, columns, plinth beams etc. which will be submerged under soil so as to protect the same. Apply two pack coal tar epoxy system of Sunepoxy Coaltar of approved make & approved by Engineer in charge, having solid content ranges from 80-100%, Tack free time 4-6 hrs. Recoat after 16-24 hrs. Mix Part A and Part B of Sunepoxy Coaltar of approved make & approved by Engineer in charge in 1:1 ratio with slow speed stirrer and apply the same on a clean R.C.C. surface by brush. Allow to set for 8-10 hours and apply the second coat. The rate to include for application at all levels to various RCC elements to the satisfaction of the EIC etc. complete	15837.81	Sqm	325.00	5036423.58	318	5036423.58
6.2	Item No52 Providing and fixing fenders made from used tyres including fixing by stainless steel chain links of 8mm dia. and anchor bolts of 16 mm diameter etc. complete as per drawing and as directed under tidal range.	53.00	Nos	2600.00	134832.00	2544	134832
6.3	Item No53 Providing and fixing stainless steel mooring ring in cement concrete on deck of jetty consist of 32 mm thick steel bar, 225 mm inner diameter, steel ring with 75 mm inner diameter steel hook of 32 mm diametre as per approved drawing etc. complete. (Stainless steel of grade S-304)	12.00	Nos	11000.00	129144.00	10762	129144
6.4	Item No54 Providing and fixing stainless steel bollard of steel pipe 1.00 metre long of 250 mm inner diameter and circular top plate of 350 mm diameter with 5 mm thickness on deck of jetty in cement concrete including necessary fixtures and fastening etc. complete. (Stainless steel of grade S-304)	5.00	Nos	19500.00	95395.00	19079	95395
6.5	Item No55 Providing and applying one coat of two component, anti-corrosive,	10620.27	Sqm	650	6754491.72	636	6754491.72

	solvent free, substituted long chain nylon reticulant based epoxy coating / primer. Cleaning the existing steel surface by mechanical means such as sand blasting, wire brushing and other mechanical means so as to remove all the existing loose rust etc. Apply the coats by brush or spray at 4-6 hours interval between each coat complete as directed by the Engineer in charge.						
6.6	Item No56 Providing and laying telephone black / Amba White / Cadburybrown / RBI red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc. complete. Specifications: Bd. M. 12 Spec. No.: As directed by Engineer- In- Charge	4.20	Sqm	4200.00	17257.80	4109	17257.8
6.7	Item No57 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.	8.40	Sqm	7800.00	64108.80	7632	64108.8
6.8	Item No58 Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. Spec.No. : As directed by Engineer In Charge	3.15	Sqm	3500.00	10785.60	3424	10785.6
6.9	Item No59 Providing and fixing in position anodised (as per IS 1868/1982) Aluminium fixed staggered (Z Type) Ventilator with aluminium rectangular pipe 63 mm x 38.10 mm x 1.22 mm at weight 0.650 Kilogram/One Running Metre, Aluminium angle of size 15 mm x 15 mm x 1 mm,aluminium channel of 9 mm sizes, S.S.mosquito net of 304 Grade,4 mm thick float glass per detailed drawing and as directed by Engineer in charge etc.complete.	0.72	Sqm	4200.00	2958.48	4109	2958.48
7.0	Item No60 Providing and laying polished hand cut Kotah Stone flooring 25mm to 30mm thick and 45cm to 55cm wide in plain/diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete.	4284.00	Sqm	1500.00	6288912.00	1468	6288912
7.1	Item No61 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of	182.40	Sqm	1350.00	240950.40	1321	240950.4

	approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.						
7.2	Item No62 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown /RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. Skirting Spec.No. : Bd. M.22 B/Page No. 390	146.66	Sqm	4200.00	602625.94	4109	602625.94
7.3	Item No63 Providing and Laying factory made coloured chamfered edge Cement concrete grass paver blocks of required strength,thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine fine aggregate (natural sand/crushed sand VSI grade finely washed etc.), compacting and proper embedding/laying of inter locking paver blocks into the fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) bedding layer through vibratory compaction by using plate vibrator, filling the joints with fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and cutting of paver blocks as per required size and pattern, finishing and sweeping extra fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and complete as per manufacturer spsecifications & direction of Engineer-in-Charge. 60mm thick CC paver block of M-35 grade concrete with approved colour and design & pattern.	404.39	Sqm	750.00	296822.26	734	296822.26
7.4	Item No64 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 16 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete. with prior approval of concerned Superitending	8444.00	Sqm	2450	20240268.00	2397	20240268
7.5	Item No65 Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and Risers 12 mm thick, required width and required finish in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.	76.50	Sqm	3760.00	281443.50	3679	281443.5
7.6	Item No66 Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3	1403.00	Sqm	1350.00	1853363.00	1321	1853363

	curing and cement etc. complete. a) One side polish						
7.7	Item No67 Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment)of the approved brand and make and specified colour for outdoor floors such as footpath, courtyard, multimodals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per direction of engineer in charge	252.45	Sqm	1200.00	296376.30	1174	296376.3
7.8	Item No68 Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	5687.00	Sqm	525.00	2923118.00	514	2923118
7.9	Item No69 CAST IN SITU SAFETY RUBBER FLOORING SYSTEM WITH including 20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule absolute thickness =25mm .(as per drawing attached) etc. including VAT, tax complete. Manufacturers warranty is 5 years.	125.00	Sqm	4700.00	574750.00	4598	574750
8.0	Item No70 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, includingcleaning, curing etc. complete.	95.00	Sqm	3760.00	349505.00	3679	349505
8.1	Item No71 Providing&fixing in position 20 +/- 2mm thick machine cut, mirrorpolished, 1st quality granite cladding such as black galaxy or approved equivalent in lift lobby / passage installed in approved pattern and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.)	446.40	Sqm	4800.00	2096294.40	4696	2096294.4
8.2	Item No72 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm thick bed as required line, level,	45.00	Sqm	1850.00	81450.00	1810	81450

shape and size as instructed by Engineer incharge. Item including color pigments, lead lift, curing, cutting, all material and labour with wastage etc. complete all
color pigments, lead lift, curing, cutting, all material and labour with wastage etc. complete all       8.3       Item No73         8.3       Item No73       Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter (a sper IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished needly with C.M. 12, setting the same in C.M. 12, including the required excavation in any stata and removing the excavation in any stata and removing the excavated stuff any where in city and recoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant       6154.02       Rmt       520       3132396.18       509       3132396.         8.4       Item No74       Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (a sper IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neetly with C.M. 12, stetting the same in C.M. 12, including the required excavation in any strata and removing the excavation in any key strata and removing th
cutting, all material and labour with wastage etc. complete all8.3Hem No73 Providing and easting in situ or precast lapering R.C.C. M-20 Barrier type Kerb without gutter (as per IRC 86 (1983) embedded 125mm below ground level over M-10 PCC finished nearly with C.M. 12, setting the same in C.M. 12, including the required excavated stuff any where in city and redoing the surface as specified and directed by Engineering In charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Hem No74 Providing and casting in situ or precast lapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 12, setting the same in C.M. 12, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In class specified and directed by Engineering In class specified and redoing the surface as specified and redoing the surface as specified and directed by Engineering In charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basand stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread rises in cement mortar of 150 mm tick (Two line deresed, from Newasa, Dist Ahmednagar) in plaividiamond pattern on a bed of 14 C.M. over 150mm tick cement concrete, and filling the gap in 12 Mortar etc, ecomplete) STONE DRESSING IN1305.00Sqm6500.00829980.0063608299800.00
8.3       Item No73       Providing and casting in situ or precast tapering R.C.C.M-20 Barrier type Kerb without gutter (as per IRC K86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, streight mesame in C.M. 1:2, including the required excavation in any strata and removing the excavated suff any where in city and redoing the surface as specified and directed by Engineering Incheckata group of the State Store State State Store State Store State Store State Store State Store State
Providing and casting in situ or precast tapering R.C. M-20 Barrier type Kerb without gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excevated stuff any where in city and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Item No74 Providing and casting in situ or 
precess tapering R.C.C. M-20 Barrier type Kerb without gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished nearly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Herm No74 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, netting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and Hered risers in cement mortar of 150 mm thick (Two line dressed stone 0.450.300.0125 to 1.15 and not less than 0.300.300.15 Mtrs cut in shape and two adjacent sides to b e dressed, from Newasa, Dist Ahmednagar) in plain/diamond patter on a bed of 14 C.M. over 150mm thick cement concrete, and filling the gap in 1:2 Mortar etc, complete STONE DRESSING INSigma 6500.008299800.0063608299800.00
ivpe Kerb without gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Item No74 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar er Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed, from Newasa, Dist Ahmednagar) in plain/diamond patter on a bed of 1:4 C.M. over 150mm thick cement concrete, and filling the gap in 1:2 Mortar etc, ecomplete, STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800.00
86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Item No74 Providing and casting in situ or precast tapering R.C.C.M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.15 Mtrs cut in shape and thread stides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond patter on a bed 01:14 C.M. over 150mm thick cement concrete, and filling the gap in 1:2 Mortar etc. ecomplete, STONE DRESSING INSame a filling the gap in 1:2 Mortar etc.
neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant6154.02Rmt5203132396.185093132396.8.4Item No74 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, setting the same in C.M. 1:2, setting the same in C.M. 1:2, setting the same in C.M. 1:2, setting the same in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mirs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 14 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar cc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant       0134.02       Kint       320       3132390.18       3192390.         8.4       Item No74         Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated tuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant       605.07       Rmt       850.00       503418.24       832       503418.2         8.5       Item No75       Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (New line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.300.30x0.15 Mits cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamod pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN       1305.00       Sqm       6500.00       8299800.00       6360       8299801
excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant <ul> <li>8.4</li> <li>Item No74</li> <li>Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant</li> </ul> <ul> <li>8.5</li> <li>Item No75</li> <li>Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 to 1.15 and not less than 0.30x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.1</li></ul>
the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant <ul> <li>8.4 Item No74</li> <li>Providing and casting in situ or precast tapering R.C. C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required exeavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant</li> </ul> 605.07         Rmt         850.00         503418.24         832         503418.2           8.5         Item No75         Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mirs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concret e, and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN         1305.00         Sqm         6500.00         8299800.00         6360         8299800
and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant
charge. Using Concrete Batching and Mixing Plant
Mixing Plant       Item No74         8.4       Item No74         Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant       605.07       Rmt       850.00       503418.24       832       503418.2         8.5       Item No75       Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed store 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN       1305.00       Sqm       6500.00       8299800.00       6360       8299800
8.4       Item No74         Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering Incharge. Using Concrete Batching and Mixing Plant       605.07       Rmt       850.00       503418.24       832       503418.2         8.5       Item No75       Basalt stone Paving in cement Mortar - Providing and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN       1305.00       Sqm       6500.00       8299800.00       6360       8299800
Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
precast Tapering R.C.C. M-20 Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concret e, and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant605.07Rmt850.00503418.24832503418.28.5Item No75 Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concret e, and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant       8.5       Item No75         8.5       Item No75         Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN       S003418.24       8299800.00       6360       8299800
excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant <ul> <li>8.5</li> <li>Item No75</li> <li>Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN</li> </ul> <li>8.5</li> <li>8.5</li> <li>9.6</li> <li>9.7</li> <li>9.8</li>
and redoing the surface as specified         and directed by Engineering In-         charge. Using Concrete Batching and         Mixing Plant         8.5         Item No75         Basalt stone Paving in cement Mortar         - Providing and Laying Newasa Stone         for paving and thread risers in cement         mortar of 150 mm thick (Two line         dressed stone 0.45x0.30x0.125 to 0.15         and not less than 0.30x0.30x0.15 Mtrs         cut in shape and two adjacent sides to         be dressed, from Newasa, Dist         Ahmednagar) in plain/diamond         pattern on a bed of 1:4 C.M. over         150mm thick cement concrete , and         filling the gap in 1:2 Mortar etc,         complete) STONE DRESSING IN
and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant
charge. Using Concrete Batching and Mixing Plant
Mixing Plant8.5Item No75Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
Basalt stone Paving in cement Mortar - Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING INSqm6500.008299800.0063608299800
<ul> <li>Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN</li> <li>Providing and Laying Newasa Stone for paving and thread risers in cement mortar of 150 mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN</li> </ul>
for paving and thread risers in cement mortar of 150 mm thick (Two line dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
dressed stone 0.45x0.30x0.125 to 0.15 and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
and not less than 0.30x0.30x0.15 Mtrs cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
cut in shape and two adjacent sides to be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN1305.00Sqm6500.008299800.0063608299800
be dressed, from Newasa, Dist Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
Ahmednagar) in plain/diamond pattern on a bed of 1:4 C.M. over 150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
150mm thick cement concrete , and filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
filling the gap in 1:2 Mortar etc, complete) STONE DRESSING IN
complete) STONE DRESSING IN
8.6 Item No76
Newasa Basalt stone for wall 15 cm thick : Providing and fixing Newasa
Basalt stone for wall 15 cm thick(
Two line dressed stone of size
0.45x0.30x0.125 to 0.15 and not less
than 0.30x0.30x0.15 Mtr, cut in shape 582.72 Sqm 8000.00 4560949.44 7827 4560949.
and two adjacent sides to be dressed, 502.72 Sqiii 6000.00 4500545.44 7027 4500545.
1:1 Cement mortar in super structure
including striking joints and watering
complete to the entire satisfaction of the architect (Ashlar Masonary in
tichiv style )
8.7 Item No77
Ashlars fine stone coping : Providing,
supplying & fixing ashlars fine stone
coping of size 320 mm long, 500 mm width & 150 mm thick in cement 142 60 Bmt 7000 00 976667 40 6849 976667
width & 150 mm thick in cement 142.60 Rmt 7000.00 976667.40 6849 976667.
width & 150 mm thick in cement 142.60 Rmt 7000.00 976667.40 6849 976667.40 Cement slurry, raking joints, curing,
width & 150 mm thick in cement 142.60 Rmt 7000.00 976667.40 6849 976667.40 cement slurry, raking joints, curing, loading & unloading etc. complete.
width & 150 mm thick in cement mortar 1:3 including pointing in Cement slurry, raking joints, curing, loading & unloading etc. complete. (Including Scaffolding)
width & 150 mm thick in cement 142.60 Rmt 7000.00 976667.40 6849 976667.40 cement slurry, raking joints, curing, loading & unloading etc. complete.

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	Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make pover, compacted and finished in a continous operation, finishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5kg per sqm. Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable,30 % solids clear sealer @ 150 to 250 gms per sqm using surface roller and protecting from falling dust,dirt and curring by curring compound / by providing cement vata in cement Mortor 1 :8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom						
	and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superinteding						
8.9	Engineer will Item No79 Providing leather finished polishing to Granite Stone slab by continuous grinding in 4 coats of different bits to receive rough and matt finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	7167.50	Sqm	825.00	5784172.50	807	5784172.5
9.0	Item No80 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.	7167.50	Sqm	3760.00	26369232.50	3679	26369232.5
9.1	Item No81 Fixing 40 to 50mm thick Natural Shahabad Kerbing of 600 x 600mm with 75mm thk. in 1:3:6 P.C.C. bed, and filling joints with 1:3 cement mortar, including lead, lift within garden, cutting, curring, etc complet (excluding P.C.C.)	92.40	Sqm	135.00	12196.80	132	12196.8
9.2	Item No82 WOODEN FINISH PAINTING OF EXISTING WOODEN FINISH TEXTURED SURFACE CEMENT CONCRETE BENCH including any	826.90	Sqm	1650	1334616.60	1614	1334616.6

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	material, machinery, scaffolding etc. complete. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including cement, Sand, chemical, adhesive, chikenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge.						
9.3	Item No83 Providing,aupplying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and sg=hade on top face and polymer (service) coating of bottom face as specified using stainless steel screws, nuts, bolts, washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)	456.43	Sqm	4500.00	2009661.29	4403	2009661.29
9.4	Item No84 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed design and drawings or as directed by Engineer- In-Charge., including cutting, fabricating, hoisting, erecting fixing in position, making riveted/bolted/welded connection and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. Spec. No.: Bd.C.8 Page No. 278	249.67	МТ	120000.00	29313255.36	117408	29313255.4
9.5	Item No85 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross	175.00	Rmt	3000.00	513625.00	2935	513625

	support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats						
9.6	of oil painting etc. complete. Item No86 Providing and Fixing mat finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing,fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior approval of sample and brand by Ex.Engineer is necessary before use)	2856.22	Rmt	3850.00	10759380.74	3767	10759380.7
9.7	Item No87 Providing and fixing 50 mm. dia. medium class G.I.pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete.	239.40	Sqm	6500.00	1522584.00	6360	1522584
9.8	Item No88 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.	249.48	Sqm	2500.00	610228.08	2446	610228.08
9.9	Item No89 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters . Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site foundation and remedies.	10.00	Sqm	36500.00	357120.00	35712	357120
10.0	Item No90 Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe (Rezan/ concentiDeleted ire 0.75 mm dia ) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete.	1210.00	Rmt	1100.00	1301960.00	1076	1301960
10.1	Item No91 Providing and constructing Brick Masonry Inspection Chamber 60 cm x 45 cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W. pipes, Brick Masonry, plastering from inside and airtight 75mm thick R.C.C. cover medium duty 100Kilogrametc. complete.	12.00	Nos	10000	117408.00	9784	117408

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10.2	Item No92 Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channel shalf round G.S.W.pipes,Brick Masonry,plastering from inside and airtight with 75 mm thick R.C.C. cover medium duty 140Kilogrametc. complete.	12.00	Nos	11000.00	129144.00	10762	129144
10.3	Item No93 Providing and constructing Ductile Iron circular manhole 45 cm dia. At top 90 cm at bottom up to 1.80 meter to 2.70 meter depth including excavation, laying 1:4:8 cement concrete bedding 15 cm thick burnt brick mansonry with 1:1 cement mortar plaster 25 mm thick inside and outside 20 mm (1:3) ductile iron heavy type cover with ring 125Kilogramin weight. High strength. More life and Durability, Good Antiskid Grip, Suitable to heavy theatric loading, Light weight casting after cost benefits for Transportation Refilling etc. as per requirement. with prior approval of concerned Superitending Engineer.	28.00	Nos	12000.00	328748.00	11741	328748
10.4	Item No94 Providing and laying salt glazed stone ware pipe of 100mm diameter including fittings such as bends, tees, single junction, double junction, laying, jointing including excavation and refilling trenches complete. BDV39 Page No.573	3.00	Rmt	400.00	1173.00	391	1173
10.5	Item No95 Providing and fixing 25mm dia screw down wheeled stop tap of steel with chromium plating of approved quality and make bearing ISI mark, including sockets uion nut complete. BDV 9 Pgno 555,	2.00	Nos	1500.00	2936.00	1468	2936
10.6	Item No96 Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend,connectingpiece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete ( Prior approval of sample and brand by Ex. Engr. is necessary before use)	4.00	Nos	650.00	2544.00	636	2544
10.7	Item No97 Providing and fixing white wash basin with half pedestal of size 515mmX615mmX460mm including pillar cock auto-closing system CP angular stop cock long thread of approved make continental including S.S. bottle trap of necessary pipe connection upto the outside face of the wall.	2.00	Nos	13000.00	25438.00	12719	25438
10.8	Item No98 Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete Spec. No.: As directed by Engineer in charge.	10.00	Nos	1000.00	9780.00	978	9780
10.9	Item No99 Providing and fixing Wall Mounted European type white glazed earthenware water closet pan with	2.00	Nos	13500.00	26416.00	13208	26416

	UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 liter enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia.UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use)						
11.0	Item No100 Providing and fixing on walls/ ceiling/ floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BD.V 5 page 551 and as directed by Engineer in charge	490.00	Rmt	350	167580.00	342	167580
11.1	Item No101 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BD.V 5 page 551 and as directed by Engineer in charge	320.00	Rmt	400.00	125120.00	391	125120
11.2	Item No102 Providing and fixing on walls/ ceiling/ floor 32 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. BDV 5 page 551 and as directed by Engineer in charge	120.00	Rmt	450.00	52800.00	440	52800
11.3	Item No103 Providing and fixing on walls/ ceiling/ floor 50 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.	631.00	Rmt	800.00	494073.00	783	494073
11.4	Item No104 Providing and laying in trenches 80 mm dia medium grade having embossed as ISI Mark galvanised iron pipes of 8.57 kg/meter necessary fitting remaking good the demolished portion with filling trenches and with primer of anti-corrosive oil paint, 2 coats complete. B)Heavy Type Spec. No.: Bd.V.5 Page No. 551	750.00	Rmt	1250.00	917250.00	1223	917250
11.5	Item No105 Providing and laying in trenches 100 mm dia. medium grade having embossed as ISI Mark galvanised iron pipes of 12.43 kg/meter necessary fitting remaking good the demolished portion with filling trenches and with primer of anti-corrosive oil paint, 2 coats complete. B)Heavy Type Spec. No.: Bd.V.5 Page No. 551	2040.00	Rmt	2000.00	3992280.00	1957	3992280
11.6	Item No106 Providing and laying concrete pipes of I.S.NP. class of 150mm diameter in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.	250.00	Rmt	525.00	128500.00	514	128500
11.7	Item No107 Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7	20.00	Rmt	1500.00	29360.00	1468	29360

m	nm confirming to I.S. 13592-1992						
	ncluding proper rainwater receiving						
	ecess with P.V.C. plug, bend,						
	ecessary fittings, such as, offsets,						
	hoes, inluding fixing the pipe on wall						
	sing approved wooden cleats						
	rojecting 25mm to 40mm from face						
	f wall a fixing with clips of approved						
	uality and number ,filing the joint						
	sing rubber gasket with solvent						
	EEMENTand properly resting the						
	hoe of pipes on C.C. or masonry locks, including necessary						
	caffolding and maintenance for 3 yrs						
	or any leakages or dislocations of						
	ipes. All the P.V.C. fittings and						
	dditional 2 piece socket clips shall be						
	ot approved from engineer in charge						
et	tc.complete. (The contractor shall						
gi	ive 3 yrs guarantee bond for						
	ayment) Spec. No.: As directed by						
	ngineer in charge						
	tem No108						
	roviding and fixing 80 mm.dia.						
	crew down wheeled stop tap of steel	20.00	Nos	4300.00	84140.00	4207	84140
	vith chromium plating of approved						
	uality and make bearing I.S.I. mark, including sockets, union nut complete.						
	tem No109			+	+	<u> </u>	
-	roviding and fixing 100 mm dia.						
	Thromium plated brass showers rose	20.00	Nos	550	10760.00	538	10760
	5 15 mm dia. Supply pipe including	20.00	1105		10700.00		10700
	ecessary bend and socket complete.						
	tem No110						
P	roviding and fixing 100mm diameter						
w	vater meter with non-return valve						
	ncluding strainer, sockets/ union nut	29.00	Nos	40000.00	1134944.00	39136	1134944
	nd including water meter box						
	haking locking arrangements and						
	ock. [Without chamber].						ļ
	tem No111						
	Providing and fixing C.P. Two way BIB cock of approved make	4.00	Naa	1600.00	6260.00	15(5	(20)
	ontinental including necessary	4.00	Nos	1600.00	6260.00	1565	6260
	ockets/union nut etc. complete.						
	tem No112						
	roviding and fixing C.P. BIB cock						
	vith wall flange of approved make	29.00	Nos	1200.00	34046.00	1174	34046
	ncluding necessary sockets/ union nut						
et	tc. complete.						
12.3 It	tem No113						
	roviding and fixing C.P. pillar cock						
	ong neck with aerator of approed	2.00	Nos	1750.00	3424.00	1712	3424
	nake including necessary						
	ockets/union nut etc. complete.		<u> </u>				
	tem No114						
	roviding and fixing 15 mm diameter VC Aqua kraft type of approved						
	ake super jet spray with flange 2 in	2.00	Nos	1100.00	2152.00	1076	2152
	faucet 1.50 metre long including all						
	ccessories etc complete						
	tem No115			1		1	
	roviding and fixing chromium plated						
	owel rod 16 mm dia and 75 cm. in	2.00	Nos	350.00	684.00	342	684
le	ength including all accessories						
со	omplete.						
L	tem No116						
-	roviding and fixing C.P. wall mixer						
Pi			1	1	1	1	
Pi	vith provision for overhead shower			10			
Pi w w	vith provision for overhead shower vith 115 mm long bend pipe and wall	2.00	Nos	4850.00	9490.00	4745	9490
Pr w w fl:	vith provision for overhead shower vith 115 mm long bend pipe and wall lange of approved make including	2.00	Nos	4850.00	9490.00	4745	9490
Pr w w fil ne	vith provision for overhead shower vith 115 mm long bend pipe and wall	2.00	Nos	4850.00	9490.00	4745	9490

10.5	L NI 117			1	1	1	
12.7	Item No117 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythyler and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres Spec. No.: As directed by engineer-in- charge.	11000.00	Ltr	10.50	110000.00	10	110000
12.8	Item No118 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite/ Amba White/ Catbarybrown /RBIred /OceanBrown granite stone partition with full moulding the edges etc. complete . Both side polish	6.00	Sqm	3760	22074.00	3679	22074
12.9	Item No119 Providing and fixing White Glazed Earthenware full stall type Urinal with P.V.C. flushing cistern of 5 liters capacity with fitting, inlet pipes and stop tap, brackets for fixing the cistern, 32 mm dia. P.V.C flush pipe with fittings and flushing arrangement including lead soil pipe, lead trap, soil pipe connectionup to the outside face of the wall	2.00	Nos	10500.00	20546.00	10273	20546
13.0	Item No120 Providing and fixing reinforced cement concrete cover of size 90cmx 45cm with frame over inspection chamber etc. complete. Medium duty (140 Kilogram)	112.00	Nos	5200.00	569856.00	5088	569856
13.1	Item No121 Providing and Supplying Biodigester Tank as per the specification and guideline set by DRDO for tank of 2 cum capacity having FRP tank with two baffle plates. Total 3 compartments with inlet and out let connections Recharged with 400 Liter inoculums and inbuilt with immobilization Matrix. Thickness of tank should be 3mm, Partition 3 with metal reinforcement, with inititing and supervising the operation of the tank and transport upto work site etc complete.	2.00	Nos	135000.00	264168.00	132084	264168
13.2	Item No122 Garden Soil :- Supplying on site garden Soil :- Supplying on site garden soil well sieved 90% to pass through I.S. sieve of 10mm size free trom stones, rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation tax, Transporting, loading-unloading etc. (Lead charges per 90km are considered.)	1951.66	Cum	1650.00	3149979.24	1614	3149979.24
13.3	Item No123 Farm Yard Manure :- Supplying on site well-decayed, well-dried, well- powdered, without clods and free from stones, dried grass and other rubbish material. The color of the soil generally is black. The manure will be measured by measuring box. (Farma). Item includes Transporting, loading-	650.55	Cum	1650.00	1049987.70	1614	1049987.7

	unloading etc. (Lead charges per 50km are considered)						
13.4	Item No124 Preparing instant Lawn:- Excavating the ground to a required depth of 20cms, removing & conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 20cms.Mixing garden soil and manure thoroughly well, levelling, watering on previous night. Planting required variety of lawn grass as directe and maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	1773.34	Sqm	850.00	1475418.88	832	1475418.88
13.5	Item No125 Preparing Lawn (30 Cm depth):- Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms.Mixing garden soil and manure thoroughly well, levelling, watering on previous night. Planting required variety of lawn grass as directed and maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	1290.34	Sqm	950.00	1198725.86	929	1198725.86
13.6	Item No126 Preparing Shrubbery:- Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. providing and Filling fresh garden soil & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, levelling, watering, on previous night. Planting well- rooted shrubs 0.5 Mtrs.apart as directed and maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	2250.86	Sqm	725.00	1595859.74	709	1595859.74
13.7	Item No127 Planting large flowering/Shady trees:- (Minimum Height to 1-2 Mtr. )Digging pit with size 0.6 m × 0.6 m × 0.6 m Removing & conveying unwanted stuff to a required distance as directed. providing and Filling the pit with approved excavated material up to a hight of 0.30 m. and remaining height of 0.60 m. with fresh garden soil & manure in in 3:1 proportion. Mixing soil and manure thoroughly well, leveling, as directed, watering previous night. Planting two or three year old,minimum 2.0 mtr. mtr. hight, healthy tree sapling as per specifications. Maintaining till 30 days by watering, weeding, clipping, rolling etc. complete.	262.00	Nos	900	230822.00	881	230822
13.8	Item No128 Providing and Fixing, Installation of Drip and Sprinkler Irrigation system in gardens having area above 3000 Sq. Mtr. Incudes drips, Sprinkler, Filters, Pipes with 3 year warranty. Excluding Pumping Unit	3907.85	Sqm	350.00	1336484.70	342	1336484.7

13.9	Item No129 Providing and fixing Animal Mgr with all fitting as approved with Engineer- In-Charge	4.00	Nos	75000.00	293520.00	73380	293520
14.0	Item No130 3 IN 1 (AERIAL STROLLER + SURF BOARD + SHOULDER TWIRL)	8.00	Nos	250000.00	1956800.00	244600	1956800
14.1	Item No131 Providing and fixing Multi Seater See Saw with all fitting as approved with Engineer-In-Charge	4.00	Nos	50000.00	195680.00	48920	195680
14.2	Item No132 Providing toilet of 4 units of 0.9*1.2M size of 1 unit with all necessary fittings such WC Wash basin overhead tank of 1000 ltr for each Type of WC : European with ceramic base , Water facility : By mean of overhead tank, Electric provisionBy mean of connection from main line, Bottom frame material: 35mm X 35mm X 5mm(thick) MS angle for one seater, Bottom frame support material : 25mm X 25mm X 3mm(thick) MS angle, Side & Top Roof panel frame material : 35mm X 35mm X 5mm(thick) MS angle, Top(roof) support frame structure : 25mm X 25mm X 3mm(thick) MS angle, Ventilation frame material: 25mm X 25mm X 3mm(thick) flat MS, Door frame material: 35 mm x 35 mm x 5 mm (thick) MS ANGLE, Support material for Door panel fixing: Aluminium U-channel of 18gauge, Door hinges(two numbers): 75mm size with 1.2-1.5mm thickness MS, Tank holder frame material: 25mm X 35mm X 35mm X 5mm MS angle with corner support of 25mm x 25mm X 3mm MS angle for 1-seater, Door Tee material: 40mm X 40mm x40mm X 5mm(thick) MS Tee,	6.00	Nos	1150000.00	6750960.00	1125160	6750960
14.3	Item No133 Providing Unbranded Steel Porta Cabin consist of With one Room of size 3050 mm x 2440 mm x 2590 mm ht having following specifications. 1) PUF Wall Panel – Panel made up of micro ribbing Pre-Painted Galvanized Iron Sheet on both sides(have tongue groove arrangement) and 50mm thick composite PUF sandwich between Pre-Painted Galvanized Iron Sheet 2) Flush door 32 mm thick water proof. 3) Window-Powder coated aluminium sliding windows with 4 mm tinted Glass 4) Flooring- 15 mm heavy duty cement fiber board inside and outside texture paint. 5) Roofing -The PUF insulated Ceiling panels. The covering on ceiling panels shall be micro riving Pre-coated galvanized iron sheet and Self draining Type Roof shall be provided with water proof covering. 6) general electrical- Provision for 3 nos. tube light (18 Watt LED light) - 2	2.00	Nos	100000.00	195680.00	97840	195680

	nos. wall mounted ceiling fan (300						
	mm) - 3 nos. plug and socket (3 pin 5						
	amps electric plug socket)- 1 no main						
	input socket (32 Amp heavy duty 3						
	pin power socket with MCB)- split						
	AC (1.5 T) provision						
14.4	Item No134						
14.4	-						
	Providing, hoisting and fixing at all						
	level precast or reinforced cement						
	concrete gazebo with all elements like						
	roofing, string courses, bands,						
	copings, columns, pillars beams,						
	plinth beams, railings, benches,						
	flooring, foundations including						
	architectural design, moulding, arches,						
	shapes, and applying proper texture						
	and paining coats to suit a particular	133.05	Sqm	65500.00	8526509.25	64085	8526509.25
	asthetic element (trunk of trees,						
	shapes of animals, birds, timber						
	benching, any element or structure						
	representing culture or tradition) the						
	cost of required centering, shuttering						
	and reinforcement, of M25 grade and						
	fibrous material, etc complete as per						
	the instructions of Architect or						
	Engineer-incharge.(Refer sketch 3)						
14.5	Item No135						
	Excavation for roadway in earth, soil						
	of all sorts, sand, gravel or soft murum						
	including dressing section to the						
	required grade, camber and side	9533.85	Cum	180.00	1677957.60	176	1677957.6
	slopes and conveying the excavated	1555.05	Cum	100.00	10///5/.00	170	10///5/.0
	materials with all lifts upto a lead of						
	50m. and spreading for embankment						
14.6	or stacking as directed.						
14.6	Item No136						
	Providing, laying, spreading and						
	compacting stone aggregates of						
	specific sizes to water bound						
	macadam specification including						
	spreading in uniform thickness, hand						
	packing to proper grade and camber,						
	applying and brooming requisite type	4949.00	Cum	3850	18642883.00	3767	10(10000
	of screening/ binding Materials to fill						18642883
	up the interstices of coarse aggregate,						18042883
							18642883
							18642883
	watering and compacting with						18642885
	watering and compacting with vibratory roller to the required						18642883
	watering and compacting with vibratory roller to the required density. By Mechanical Means -						18042885
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B						18642883
147	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate)						18642883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137						18642883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber,						18042883
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand	1871.00	Cum	3850.00	7048057.00	3767	7048057
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber,	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate,	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means -	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B	1871.00	Cum	3850.00	7048057.00	3767	
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate)	1871.00	Cum	3850.00	7048057.00	3767	
14.7	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate) Item No138	1871.00	Cum	3850.00	7048057.00	3767	
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate) Item No138 Providing and constructing 75 mm.	1871.00	Cum	3850.00	7048057.00	3767	
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate) Item No138 Providing and constructing 75 mm. thick Modified Penetration Macadam	1871.00	Cum	3850.00	7048057.00	3767	
	<ul> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading I (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No137</li> <li>Providing, laying, spreading and</li> <li>compacting stone aggregates of</li> <li>specific sizes to water bound</li> <li>macadam specification including</li> <li>spreading in uniform thickness, hand</li> <li>packing to proper grade and camber,</li> <li>applying and brooming requisite type</li> <li>of screening/ binding Materials to fill</li> <li>up the interstices of coarse aggregate,</li> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading II (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No138</li> <li>Providing and constructing 75 mm.</li> <li>thick Modified Penetration Macadam</li> <li>(MPM) road surface including all</li> </ul>						7048057
	<ul> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading I (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No137</li> <li>Providing, laying, spreading and</li> <li>compacting stone aggregates of</li> <li>specific sizes to water bound</li> <li>macadam specification including</li> <li>spreading in uniform thickness, hand</li> <li>packing to proper grade and camber,</li> <li>applying and brooming requisite type</li> <li>of screening/ binding Materials to fill</li> <li>up the interstices of coarse aggregate,</li> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading II (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No138</li> <li>Providing and constructing 75 mm.</li> <li>thick Modified Penetration Macadam</li> <li>(MPM) road surface including all</li> <li>materials, preparing the existing road</li> </ul>	1871.00	Cum	3850.00	7048057.00	3767	
	<ul> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading I (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No137</li> <li>Providing, laying, spreading and</li> <li>compacting stone aggregates of</li> <li>specific sizes to water bound</li> <li>macadam specification including</li> <li>spreading in uniform thickness, hand</li> <li>packing to proper grade and camber,</li> <li>applying and brooming requisite type</li> <li>of screening/ binding Materials to fill</li> <li>up the interstices of coarse aggregate,</li> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading II (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No138</li> <li>Providing and constructing 75 mm.</li> <li>thick Modified Penetration Macadam</li> <li>(MPM) road surface including all</li> <li>materials, preparing the existing road</li> <li>surface, spreading 40 mm. stone metal</li> </ul>						7048057
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate) Item No138 Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 30% crusher broken metal +						7048057
	<ul> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading I (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No137</li> <li>Providing, laying, spreading and</li> <li>compacting stone aggregates of</li> <li>specific sizes to water bound</li> <li>macadam specification including</li> <li>spreading in uniform thickness, hand</li> <li>packing to proper grade and camber,</li> <li>applying and brooming requisite type</li> <li>of screening/ binding Materials to fill</li> <li>up the interstices of coarse aggregate,</li> <li>watering and compacting with</li> <li>vibratory roller to the required</li> <li>density. By Mechanical Means -</li> <li>Grading II (Using Screening Type B</li> <li>(11.2 mm) Aggregate)</li> <li>Item No138</li> <li>Providing and constructing 75 mm.</li> <li>thick Modified Penetration Macadam</li> <li>(MPM) road surface including all</li> <li>materials, preparing the existing road</li> <li>surface, spreading 40 mm. stone metal</li> </ul>						7048057
	watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading I (Using Screening Type B (11.2 mm) Aggregate) Item No137 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate) Item No138 Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 30% crusher broken metal +						7048057

14.9	spraying the bitumen of specified grade @ 2 Kg/sqm, spreading 12 mm.size chips compacting with three wheel static roller having weight 8 to 10 MT. to achive the desired degree of compaction as per Technical Specification Clause 506 etc. complete. Including picking of existing WBM surface. (VG-30 bulk bitumen rates are considered to arrive at rates) Item No139 Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates)	37420.00	Sqm	20.00	748400.00	20	748400
15.0	Item No140 BITUMINOUS MACADAM: Proving and laying bituminous macadam using crushed aggregates of Grading 1, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 80/100 mm compacted thickness with 3.3 % using specified grade of Bitumen USING Batch mix type hot mix plant with SCADA, Sensor Paver, vibratory roller.(VG-30 bulk bitumen rates are considered to arrive at rates)	1403.25	Cum	9200.00	12630653.25	9001	12630653.3
15.1	Item No141 Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen with sprayer on Dry / Hungry B.T. surface 3 kg/10 sqm. (VG-30 bulk bitumen rates are considered to arrive at rates)	18710.00	Sqm	20.00	374200.00	20	374200
15.2	Item No142 BITUMINOUS CONCRETE: Providing and laying bituminous concrete using crushed aggregate of grading 1, premixed with bituminous binder @5.40% by weight of total mix and filler, transported at site with VTS, laid over a previously prepared surface, finished to the required grade ,level, alignment, and rolling to achieve the desired density for 50mm compacted thickness with drum mix plant with SCADA, Sensor paver and Vibratory roller excluding prime/Tack coat etc. completeBitumen of specified grade with stone dust filler. (VG-30 bulk bitumen rates are considered to arrive at rates)	1341.00	Cum	12100.00	15876099.00	11839	15876099
15.3	Item No143 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is	605.07	Sqm	450.00	266230.80	440	266230.8

	exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streeks and heles complete						
15.4	from streaks and holes.complete. Item No144 Nameplate (3D acrylic hollow blocks with LED) S.I.T.C. of Nameplate stating in Devnagri/English font in the desired style as per specifications. The total asembly letters made of frosted acrylic sheets cut and glued together to achieve the hollow letters as per approved design with provision for electrical supply for white/warm white LED lights of required wattage that will be lit from inside the blocks for illumination in the night. The whole assembly shall be rested/fixed with all necessary fittings and cleaning etc.	38.75	Sqm	30000.00	1137390.00	29352	1137390
15.5	complete as directed by the Engineer- in-charge. Item No145 Providing and fixing informatory sign boards in rectangular shape of size 1.20m x 0.90m madeout of 16 guage Aluminum panel bonded with IRC Specified colour of retro reflective sheeting of Type IV High Intensity Micro-Prismatic Grade Sheeting (HIP) having pressure sensitive / heat activated adhesive, IRC Specified colour retro reflective cutout border & messages having pressure sensitive adhesive having border & messages in IRC Specified colour background including M. S. angle iron frame of size 35 mm X 35 mm X 3mm & two M.S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.65 m long, duly painted with flat oil painthaving alternate black and white bands of 25 cm width including G.I. fixtures etc; fixing the boards in M-20concrete block of size 60cm X 60cm X 75cm including transportation etc; complete. Aluminum Panel TypeIV High Intensity	19.00	Nos	13500	250952.00	13208	250952
15.6	Item No146 Providing and fixing sign boards of size size 60 x 80 cm made out of 14 gauge M.S.Sheet with retro reflective sheeting of Engineering Grade as per M.O.T. specification No. 801-3(1993) white reflective back ground, lettering symbol bordering of black non reflective paint including 3.65 metre long M.S.angle one post of 65 x 65 x 6 mm size duly painted with white and black bands including fixing the boards of M.S. angle with galvanised nuts and bolts and washer. The Board shall be as per IRC-67-1977 including conveying fixing in ground with C.C. 1:4:8 block of size 0.60 x 0.60 x 0.75 m, with 7 year guarantee for the sheeting etc. complete. Mild Steel Board with Engineering Grade.	21.00	Nos	10000.00	205464.00	9784	205464
15.7	Item No147 Providing and fixing board displaying information, such as "Name of work, Tender cost, Name of Contractor, Work completion and liability period	2.16	Sqm	15000.00	31700.16	14676	31700.16

etc", having rectangular shape of 1.20m x 0.90m xiz mude up of 4 mm aluminum composite pamel sheet with 0.5 mm xim thickness on either side bonded with white retro reflective sheeting of Class B (Type IV High intensity micro-prismatic grade sheeting with specified background, border and back side reto reflective symbols, lettes, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S. angle of xize 35 x 3 x mm frame with properly cross braced M.S. angle of size 35 x 3 x 3 x mm frame with properly cross braced M.S. angle of size 35 x 3 x 3 x mm frame with properly cross braced M.S. angle of size 35 x 3 x 3 x mm frame with properly cross braced M.S. angle of size 35 x 3 x 3 x mm frame with properly cross braced M.S. angle is cross of size 35 x 3 x mm frame with properly cross braced M.S. angle is cross for x 35 x 3 x mm including, excavation, refilling, transportation, and labour cite complete. Class B (Type IV High memory mice primatic grade sheeting HIP) hall have 7 years written varranty or filling, the Digitally Printed across with Lack printing technology with sheeting manufacture inproved laks and laminated with VV overlay film and this warranty certificate in original should be submitted to the Engineer in charmery by focoarticorisuppier: 60.00 Rmt 12500.00 733800.00 12230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230	
aluminum composite pannel sheet         with 0.5 mm skin thickness on either         side bonded with white retor reflective         sheeting of Class B (Type IV High intensity micro-prismatic grade         sheeting with specified background,         border and back side reto reflective         symbols, letters, numerals, arrow as         per IRC: 67.2012 Table No 8.3, on         frame with properly cross braced M.S.         angle of size 35 x 35 x 3.5 mm         frame with properly cross braced M.S.         angle of size 35 x 35 x 5.5 mm A f5         mm x 6 mm 3.65 m long painted with         alternate black and white bads of 25         cm with including if No M.S.         grap crutine, and libour etc         complete. Class B (Type IV High         interduring. excavation, refiling,         transatic warranty certificate in original         sheeting-HIP) shall have 7 years         written warranty from the         manafacturer approved inks and         laminated with UV overlay film and         laminated with 0.5 grass per 3         sheeting-HIP) shall have 7 years         written warranty certificate in original         should be submitted to the Engineer in         charge by the contractor/supplicr.         15.8       Item No148	_
with 0.5 mm skin thickness on either         side bondd with white retro reflective         sheeting of Class B (Type IV High         intensity micro-prismatic grade         sheeting-HIP) having pressure         sensity adhesive. Retro reflective         sheeting-HIP) having pressure         sensity adhesive. Retro reflective         sheeting with specified background,         border and back side reto reflective         spmbols, letters, numerals, arrow as         per IRC: 67-2012 Table No 8.3, on         M.S. angle of size 35mm/3mmX-mm         duly painted including Two M.S.         angle of size 35mm/3mmX-mm         duly painted including all fixtures etc. and         fixing the boards in 1.48 concrete         block of size 60 cm x 60 cm x 75 cm         incloding, excavation, reffling,         transportation, and labour etc         complete. Class B (Crype IV High         intensity micro-prismatic grade         shoeting the Digitally         Printed areas with Latex printing         technology with sheeting         mannated with UV overlay film and         this warranty certification original         should be submitted to the Engineer in         charge by the contractor/supplier.         15.8       Tem No148      <	
side bonded with white retro reflective         sheeting of Class R (Type IV High intensity micro-prismatic grade         sheeting-HIP) having pressure         sensitive adhesive. Retro reflective         spritting with specified background,         border and back side refor reflective         symbols, letters, numerals, arrow as         per IRC 67-2012 Table No 8.3, on         M.S.angle of size 35 mx 35 x 35 x 3 mm         frame with property cross braced M.S.         angle iron posts of size 65 mx x 65         mm x 6 mm x 65 mm x 66 cm x 75 cm         mincluding, excavation, refilting,         transportation, and laboar etc         commit write warranty from the         manufacture representing the 75 cm         writen warranty from the         manufacture approved inks and         manufacture approved inks and         manufacture approved inks and         manufacture sproved inks and         manufacture approved inks and         angle beach should         hsould be submitted to the Engineer in      <	
intensity micro-prismatic grade sheeting, HIP) having pressure sensitive adhesive. Retro reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S.angle of size 35 x 35 x 3 mm frame with property cross braced M.S. angles of size 25mmx35mmx35mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm x 65 mm x 75 cm including. Letters and fixing the boards in 1-48 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refiling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting, HIP) shall have 7 years written waranty from the mamufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved links and laminated with U vorlay film and this waranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier. 15.8 Item No148 Providing & fixing BENCHI N CEMENT WOOTDEN FINISHING CON ALL EXTIENVAL SURFACE. Bench should have min 2.1. Int o max. length 2.4m with 0.45m wide set at 0.40m high back for resting, beach should have 2 to 3 support5.Legs as per requirement from ground in 11.5.33 ratio Concrete with 4 bar 12mm as a main a distribution smm Tor steel at 150mm cé. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finis/grains& with 2 final coat of Apex Paint for making wooden finis/grains& with 2 final coat of Apex exterior grade primer above, chickemmesh, primer, et., all	
<ul> <li>sheeting-HIP) having pressure</li> <li>sheeting with specified background,</li> <li>border and back side retor effective</li> <li>sheeting with specified background,</li> <li>border and back side retor effective</li> <li>symbols, letters, numerals, arrow as</li> <li>per IRC: 67-2012 Table No 83, on</li> <li>M.S. angle of size 35 x 35 x 3 mm</li> <li>frame with properly cross braced M.S.</li> <li>angle of size 35 arrow as</li> <li>angle of size 55 mm x 65</li> <li>mm x 6 mm, 3.65 m long painted with</li> <li>alternate black and white bands of 25</li> <li>ern with including all fixtures etc.and</li> <li>fixing the boards in 1-48 concrete</li> <li>block of size 60 cm x 60 cm x 75 cm</li> <li>including, excavation, refilling,</li> <li>transportation, and labour etc</li> <li>complete. Class B (Type IV High</li> <li>intensity micro-primatic grade</li> <li>sheeting-HIP) shall have 7 years</li> <li>written warrauty from the</li> <li>manufacturer including the Digitally</li> <li>Printed arcas with Latex primting</li> <li>technology with sheeting</li> <li>manufacture including the Digitally</li> <li>Printed to the Engineer in</li> <li>charge by the contractor/supplier.</li> <li>15.8 Item NoI48</li> <li>Providing &amp; fixing BENCH IN</li> <li>CEMENT MORTOR/CONCRETE</li> <li>WTIH WOODEN FINISHING ON</li> <li>ALL EXTERNAL. SURFACE. Bench</li> <li>should bave sint. 2.1m to max. length</li> <li>2.4m with 0.45m wide seat &amp; 0.40m</li> <li>high back for restel ys and paper</li> <li>application of 1 coat of Apex exterior</li> <li>grade primer above that 2 coat of</li> <li>centerior grade Apex Paint as a base</li> <li>coat &amp; 1 coat of Apex exterior</li> <li>grade primer above that 2 coat of</li> <li>centerior grade Apex Paint as a base</li> <li>coat &amp; 1 coat of Apex exterior</li> <li>grade primer above that 2 coat of</li> <li>centerior grade Apex Paint as a base</li> <li>coat &amp; 1 coat of Apex Neint for</li> <li>makuing Cement, Sund, Aggregate,</li> <li>chemical, athesive, chickemmesh, primer.</li> <li>and and andise, whith 2</li></ul>	
<ul> <li>sensitive adhesive. Retro reflective</li> <li>sheeting with specified background, border and back side reto reflective</li> <li>symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S.angle of size 35 x 35 x 3 mm</li> <li>frame with property cross braced M.S. angles of size 55 mmx 35 mmx3 mm</li> <li>duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 365 mm x 67 mm</li> <li>intel including all fixtures etc.and fixing the boards in 14.8 concrete block of size 60 cm x 00 cm x 75 cm including, excavation, refilling, transportation, and labour etc</li> <li>complete. Class B (Type IV High intensity micro-prismatic grade</li> <li>sheeting the verse of the prismatic grade</li> <li>sheeting the verse of the prismatic grade</li> <li>sheeting the verse of the prismatic grade</li> <li>sheeting b the contractor/supplier.</li> </ul> 15.8 Item No148 Providing & fixing BENCH IN CEMENT MORTOR/CONCOCKETE WTIH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should be submitted to the Ingineer in charge b the contractor/supplier. 60.00 Rmt 12500.00 733800.00 12230 12230 733800.00 12230	
<ul> <li>sheeting with specified background, border and back side reto reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S. angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35 mm25 mm25 mm25 mm duly painted including Two M.S. angles of size 65 mm x 65 mm x 6 nm, 3.65 m long painted with alternate black and white bands of 25 erm with including all fixtures etc and fixing the boards in 1.4% concrete block of size 60 cm x 75 cm including, exteavation, refling, transportation, and labour etc complete. Class B (Type IV High intensity micro-primatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacture role to the Engineer in clarge by the contractor/supplier.</li> <li>15.8 Item No148 Providing &amp; fixing BENCH IN CEMENT MORTOR/CONCRETE WTITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max, length 2.4m with 0.45m wide seat &amp; 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 11.53 ratio Concrete with 4 bar 12mm as a main &amp; distribution smm To rsteel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat &amp; 1 coat of Apex clear polish including Coment, Sand, Aggregate, chemical, adhesive, chickemmesh, primer, paint, polish, paper, etc. all</li> </ul>	
border and back side reto reflective       symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S. angle of size 35 mx35 mx35mx35m       frame with properly cross braced M.S. angles of size 35 mmx35 mmx3nm       duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 mlog painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete       block of size 50 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complet. Class B (Type IV High intensity micro-prismatic grade sheeting manufacturer approved inks and laminated with UZ overas written warrany from the manufacturer approved inks and laminated with UV overlay film and this warrany certificate in original should be submitted to the Engineer in charge by the contractor/supplier.       15.8     tem No148       Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WTTH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have in 2.1 m to max. length 2.4m with 4 bar 12mm as a main & distributor Mm Tor steel at 150mm c/c. Rate includes proper eleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish in reluding Cement, Sund, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all	
symbols, letters, numerals, arrow as         per RC: 67-2012 Table No 8.3, on         M.S.angle of size 35 x 35 x 3 mm         frame with property cross braced M.S.         angles of size 35 mmx 35 mmx3mm         duly painted including Two M.S.         angle iron posts of size 65 m x 65         mm x 6 mm, 3.65 m long painted with         alternate black and white bands of 25         cm width including all fixtures etc.and         fixing the boards in 14:8 concrete         block of size 60 m x 60 cm x 75 cm         including, excavation, refilling,         transportation, and labour etc         complete. Class B (Type IV High         intertury micro-prismatic grade         sheeting-HIP) shall have 7 years         written warranty from the         manufacturer approved inks and         manufacturer approved inks and         haminated with V0 vorelay film and         this warranty certificate in original         should be submitted to the Engineer in         change by the contractor/supplier.         15.8         Term Nol48         Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE         with 0.45 wride seat & 0.40m         high back for resting, baceh should         haw 2 10 a support/Legas as per     <	
per IRC: 67-2012 Table No 8.3, on       M.S.angle of size 35 x 35 x 3 mm       frame with properly cross braced M.S.       angles of size 35 mmx35mm37mm       duly painted including Two M.S.       angle iron posts of size 65 mm x 65       m m x 6 mm, 3.65 m long painted with       alternate black and white bands of 25       cm width including all fixtures etc.and       fixing the boards in 1.4.8 concrete       block of size 60 cm x 60 cm x 75 cm       including, excavation, refilling,       transportation, and labour etc       complet. Class B (Type IV High       intensity micro-prismatic grade       sheeting       manufacturer including the Digitally       Printed areas with Latex printing       technology with sheeting       manufacture rigored fiks and       laminated with UV overlay film and       abuil be submitted to the Engineer in       charge by the contractor/supplier.       15.8       Tem No148       Providing & fixing BENCH IN       CEMENT MORTOR/CONCRETE       WITH WOODEN FINISHING ON       ALL ETTERNAL SURFACE. Bench       should her with 4 bar 12mm aa       main & distribution fam Tor steel at       15.8       requirement from ground in 1.1.5.3       ratio Concrete with 4 bar 12mm aa       main & distribution fam Tor steel at	
M.S. angle of size 35 x 35 x 3 mm         frame with property cross braced M.S.         angles of size 35mmx35mmx37mm         duty painted including Two M.S.         angle iron posts of size 65 m x 65         mm x 6 mm, 3.65 m long painted with         all either mosts of size 65 m x 65         mm x 6 mm, 3.65 m long painted with         all either mosts of size 65 m x 65         minetual black and white bands of 25         cm width including all fixtures etc.and         fixing the boards in 14:8 concrete         block of size 60 cm x 60 cm x 75 cm         including, excavation, refilling,         transportation, and labour etc         complete. Class B (Type IV High         manufacturer including the Digitally         Printed areas with Latex printing         technology with sheeting         manufacturer approved inks and         lamintact with U voerlay film and         this warranty certificate in original         should be submitted to the Engineer in         charge by the contractor/supplier.         15.8         Hem Nol 48         Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE         with 0.45 m vide seat & 0.40m         high back for resting, baceh should         have 12 to 3 supports/Legs as per	
frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 ern width including all fixtures etc. and fixing the boards in 1:48 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Them No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should hav min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by snap paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat 4 1 coat of Apex Paint for making wooden finisk/grains & with 2 final coat of Apex Paint for making wooden finisk/grains & with 2 final coat of Apex Paint for making wooden finisk/grains & with 2 final coat of Apex clear polish including Cmeent, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all	
angles of size 35mmx33mm duly painted including Two M.S.         angle iron posts of size 65 mm x 65         mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25         em width including all fixtures etc.and         fixing the boards in 1:4:8 concrete         block of size 60 cm x 60 cm x 75 cm         including, excavation, refilling,         transportation, and labour cete         complete. Class B (Type IV High         intensity micro-prismatic grade         sheeting-HIP) shall have 7 years         written warranty from the         manufacturer including the Digitally         Printed areas with Latex printing         technology with sheeting         manufacturer including the Digitally         Printed areas with Latex printing         technology with sheeting         manufacturer including the Digitally         Printed areas with Latex printing         technology with sheeting         manufacturer includes the Engineer in         charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE         WITH WOODEN FINISHING ON         ALL EXTERNAL SURFACE. Bench         should have min. 2.1 m to max. length         2.4m with 0.45m wide seat &	
angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 ern width including all fixtures etc.and fixing the boards in 1.4.8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.           15.8         Item No148 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 11.5.3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex X exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Carterior final coat of Apex Carterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Carterior grade primer, paint, polish, paper, etc. all         60.00         Rmt         12500.00         733800.00         12230	
mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1.48 concrete block of size 60 m x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.     15.8       15.8     Item No148     Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WTTH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min 2.1m to max. length 2.4m with 0.45m vide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Lega as per requirement from ground in 1:1.5.3 ratio Concrete with 4 bat 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex Reiterior grade primer above that 2 coat of exterior grade Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish including Cement, Sand, Aggregate, chemical, athesive, chickenmesh, primer, paint, polish, paper, etc. all     60.00     Rmt     12500.00     733800.00     12230	
alternate black and white bands of 25 cm width including all fixtures etc. and fixing the boards in 1.4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1 m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 11.5.3 ratio Concrete with 4 bat 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Carterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Carterior grade primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 00 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2. In to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
fixing the boards in 1:4:8 concrete block of size 60 cm x 75 cm including, exceavation, refilling, transportation, and labour ete complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min 2.1 In to max length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour ete complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm o/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickemmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
including, excavation, refilling, transportation, and labour etc       including, transportation, and labour etc         complete. Class B (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years       written warranty from the manufacturer including the Digitally Printed areas with Latex printing         technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.       including & fixing BENCH IN         15.8       Item No148       Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have in. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Varint for making wooden finish/grains & with 2 final coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
transportation, and labour etc       complete. Class B (Type IV High         intensity micro-prismatic grade       sheeting-HIP) shall have 7 years         written warranty from the       manufacturer including the Digitally         Printed areas with Latex printing       technology with sheeting         manufacturer including the Digitally       Printed areas with Latex printing         technology with sheeting       manufacturer approved inks and         laminated with UV overlay film and       this warranty certificate in original         should be submitted to the Engineer in       charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE         WITH WOODEN FINISHING ON         ALL EXTERNAL SURFACE. Bench         should have min. 2.1 m to max. length         2.4m with 0.45m wide seat & 0.40m         high back for resting, beach should         have 2 to 3 supports/Legs as per         requirement from ground in 1:1.5:3         ratio Concrete with 4 bar 12m as a         main & distribution 8mm Tor steel at         150mm c/c. Rate includes proper         cleaning of surface by sand paper         application of 1 coat of Apex Paint for         making wooden finish/grains & with 2         final coat of Apex Clare polo	
intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
sheeting-HIP) shall have 7 years         written warranty from the         manufacturer including the Digitally         Printed areas with Latex printing         technology with sheeting         manufacturer approved inks and         laminated with UV overlay film and         this warranty certificate in original         should be submitted to the Engineer in         charge by the contractor/supplier.         15.8         Item No148         Providing & fixing BENCH IN         CEMENT MORTOR/CONCRETE         WITH WOODEN FINISHING ON         ALL EXTERNAL SURFACE. Bench         should have min. 2.1m to max. length         2.4m with 0.45m wide seat & 0.40m         high back for resting, beach should         have 2 to 3 supports/Legs as per         requirement from ground in 1:1.5:3         ratio Concrete with 4 bar 12mm as a         main & distribution 8mm Tor steel at         150mm c/c. Rate includes proper         cleaning of surface by sand paper         application of 1 coat of Apex exterior         grade primer above that 2 coat of         exterior grade Apex Paint as a base         coat 4 l coat of Apex Paint for         making wooden finish/grains & with 2         final coat of Apex clear polish	
written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1 m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting, beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finis/brginis & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this waranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.         15.8       Item No148         Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1 m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex Parint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex Clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all       60.00       Rmt       12500.00       733800.00       12230	
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including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all	
chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all	
primer, paint, polish, paper, etc. all	
excavation, pcc, tor steel etc. all	
complete. Work done should be as per	
a approved sample & the instructions	
of engineer incharge.       15.9       Item No149	
Providing and fixing Garden Bench	
with Arm with all fitting as approved 10.00 Nos 15000.00 146760.00 14676	146760
with Engineer-In-Charge	
16.0 Item No150	
Ss Dust Bin (Refer sketch 10)	
Product area:0.76Sqm, Capacity in 80.00 Nos 14500.00 1134960.00 14187	1134960
ltrs: 42.0 ltrs, Product height:0.92m	

1.5.5	L 31.151				1		
16.1	Item No151 Providing and fixing of retro- reflectorised informatory sign board rectangular/Square in shape having area greater than 0.9 One Square Meterr made out of 4 mm aluminum composite panel bonded with 0.5 mm skin thickness on either side with white retro reflective sheeting of Class C ( Type XI Type XI Micro prismatic grade sheeting) having pressure sensitive adhesive retoreflective specified back ground, border and back side retoreflctive symbols, letters, numerals, arrow including Art Work complete as per IRC:67-2012 Table No 8.3, supported with back support frame 25mm x 25mm x 3mm, duly painted on back side with two coats of grey stove enamel paint and supported on two no. mild steel angle iron post 75 mm x 75 mm x 6 mm, 3.5 mt ~ 3.9 mtlong firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing The angle iron post shall be duly painted with one coat of epoxy primer and two coats of epoxy finish paints having alternate black and white bands of 25 cm width including fixures and transportation etc.complete.The nut bolts of board with angle iron post/supporting structure after fixing at site has to be electrically welded. ClassC_ ( Type XI Type XI Micro prismatic grade sheeting) sheeting shall have 10 years written warranty from the manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate along with sheeting manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate along with sheeting manufacturer including the Digitally Printed areas with Latex printing technology with sheeting manufacturer approved inks and laminated with UV overlay film and this warranty certificate along with sheeting manufacturer attested 3 years outdoor weatherin	217.00	Sqm	16500.00	3503248.00	16144	3503248
16.2	Item No152 Providing and laying of compression seal joint consisting of steel armoured nosing at two edges of the joint gap suitably anchored to the deck concrete and a preformed chloroprene elastomer or closed cell foam joint sealer compressed and fixed into the joint gap with special adhesive binder to cater for a horizontal movement upto 40 mm and vertical movement of 3 mm etc. complete	8.00	Rmt	4850.00	37960.00	4745	37960
16.3	Item No153 Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm to be installed by the manufacturer / supplier to their authorized representative ensuring compliance to the manufacturers instruction for installation as per approved drawings and standard specifications etc. complete.	616.00	Rmt	12000.00	7232456.00	11741	7232456

16.4	Item No154 Providing and laying cement concrete wearing coat M30 grade with batch mix type / concrete mixer with SCADA including reinforcement as per drawings and technical specifications etc. complete with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc )	82.50	Cum	13000	1049317.50	12719	1049317.5
16.5	Item No155 Painting Line, Dashes, Arrows etc on Roads in two coats on new work with ready mixed road marking paint confirming to I.S. 164 on Bituminous surface including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Over/Uptocm wide) (MORTH-803)Surface Over 10cm Wide On New Surface	40.00	Sqm	230.00	9000.00	225	9000
16.6	Item No156 Providing and fixing neoprene bearing as per detailed drawings etc. complete.	28000.00	CuCm	3.00	84000.00	3	84000
16.7	Item No157 Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia over burden (by diamond drilling machine) such as soil of all sorts, soft murum,hard murum and boulders and in soft rock including all materials such as casing pipes and accessories oil,grease, steel, rods, and such other materials as required (including conveying the material to site of work). Preserving the loose sample in glass jar and core sample serially on site ofwork and conveying the same to HQ of concemring office as directed. R.A.for 10.00 Rmt a) over burden 0 to 50 meter.	40.00	Rmt	2500.00	97840.00	2446	97840
16.8	Item No158 Taking trial bores 75 to 100 mm for 53.0 to 88.9 mm core dia in rocks as specified below including all necessary materials such as oil,grease,steel boostan and such other materials as required (including conveying the material to site of work) and Preserving the core sample serially on site of work and conveying the same to HQ of concerning office as directed. Quartzite with diamond drill with Nx Bit 0 to 50 metre	37.50	Rmt	6500.00	238500.00	6360	238500
16.9	Item No159 Carrying out low strain pile integrity test on 900 mm diameter pile including all arrangements for test, equipments/accessories, materials, labour, submission of test report etc but excluding the cost of installation of job pile (installation of pile shall be paid seperately as per releventitems)all complete as per specification and as directed by the engineer-in-charge	229.00	Nos	4200.00	940961.00	4109	940961
17.0	Item No160 Conducting Initial Load Test (Compression) up to maxmimum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 part-4 including preparation of pile head for testing, necessary excavation, jacks,	5.00	Nos	700000.00	3424400.00	684880	3424400

	kentledge, accessories, measuring devices, recording of results, labour, submission of test report etc.						
	complete, but excluiding the cost of installation of pile (insallation of pile shall be paid seperately) etc.all complete as per the specification,						
	drawing and as directed by the Engineer in charge for the following for vertical compression test by cyclic load method						
17.1	Item No161 Mobilisaton of Project, setting of pile points, Pile driving System using end on the Gantry system with required no. of Gantry Platforms & shifing of Gantry Platforms from on position to another, etc complete as per direction of Engineeretc complete	1.00	Nos	300000.00	2935200.00	2935200	2935200
17.2	Item No162 Supplying, fitting and fixing in position true to line and level sliding plate bearing with stainless steel plate sliding on stainless steel plate with mild steel matrix including all accessories as per drawings and technical	4.92	MT	350.00	1682.64	342	1682.64
17.3	Item No163 Supplying, fitting and fixing in position true to line and level forged steel rocker bearing including all accessories as per drawings and technical specifications conforming to IRC:83 (Pt-1) section IX and clause 2003 of MoRTH specifications etc. complete.	3.28	MT	350	1121.76	342	1121.76
17.4	Item No164 Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	2633.73	Sqm	2500.00	6442103.58	2446	6442103.58
17.5	Item No165 Bamboowood 10mm thick Wall Cladding including Threshold & T- mold for Accoustic purpose Providing & fixing in position Phenol bonded Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1900mm length (minimum) and 135mm wide approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with necessary profiled edges fixed with BR nails to frame work made of second class teak wood of size 50 x 50 mm in centre and ends of each tile. The bamboowood cladding shall be laid over glass wool of 50mm thickness filled in between two teak wood frame and hold in place by 50mm thick teak wood and covered with mesh (rabbit) fixed to teak woodframe work with wire nails as backlayment and covered with 1.00mm thick expanded poly ethylene foam of density 25Kilogram/cum in two layers first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The	981.99	Sqm	7840.00	7532845.29	7671	7532845.29

17.6	<ul> <li>Bamboowood planks shall have minimum density of 1000</li> <li>Kilogram/cum &amp; minimum Hardness 1000 Kilogramf. with Eco friendly UV coating, all complete as per direction of Engineer in-charge.</li> <li>Item No166</li> <li>Design Supply and Installation of the Mangroves Trail Walk of Section 20 Meter Length and 2.5 Meter Wide as per the Details and Specification of Project Information Memorandum (PIM) attached.</li> <li>Technical Specification : <ul> <li>The mangrove trail should be 2.5m</li> <li>wide and should be made in sustainable method. To avoid harm to the environment/ ecosystem.</li> <li>The all components should be made in wood/ substitute to wood, but the metal too avoids rusting of the members.</li> <li>Piles are proposed to be in Jambha (Botincial Name: Xylia xylocarpa) wood which should be designed to take the axial load upto 2000 Kg Per pile. These Piles should be drilled in the mud/ marshy land at 2 Meter c/c and then should be made ready to receive the primary beams on them.</li> <li>Primary beams should be made in first class teak wood/similar quality substitute. The primary beams do run along the trail, and do support the trail deck which should be designed for live load of 500 kg/sqm.</li> <li>Secondary beams are then rested on primary beam support keels in made from secondary Nature fibre Composite Material which then support floor finish.</li> <li>Floor finish should be made to take wear &amp; tear of the people movement, giving appropriate friction in all the seasons and should be long lasting with minimal maintenance. These floor boards can be made in Nature fibre Composite Material). Designing load of 500 kg/sqm should be considered.</li> </ul> </li> </ul>	36.00	Per 20 Meter Length	3792700.00	133588008.0	3710778	133588008
	floor boards can be made in Nature fibre Composite Material). Designing load of 500 kg/sqm should be						
17.7	Item No167 Supplying, installing, testing & commissioning 3 phase, 11/0.433 kV, 50 Hz., 400 kVA, Mineral oil immersed and naturally cooled outdoor type, Copper wound Non- sealed transformer delta/star connected with additional neutral brought out on load side, temperature rise should not exceed 45°C by thermometer in oil and 50°C by the resistance method in winding at full	1.00	Each	1118640.60	1094478.00	1094478	1094478

	load rating, using type A winding insulation (kraft paper) with HV tapping (with off load tap changer) off load +5 to -10 in steps of 2.5%, having 7 number of tap positions with standard accessories complete with test certificate with losses below 1225 Watts at 50% load, 3450 Watts at 100% load as per IS:1180 (part 1) : 2014 with necessary permissions of Electrical Inspector, as per specification no SS- TRNSL.						
17.8	Item No168 Making transformer plinth (1.5 x 1.5 x 1.5) m in size with necessary excavation in ground with 150 mm. thick M- 10 PCC at the bottom and top and 250 mm. thick, burnt brick wall constructed at periphery and remaining hollow portion shall be filled with 40mm hard broken aggregate. External surface duly plastered by 12 mm thick including watering etc complete.	4.00	Each	15730.00	61560.00	15390	61560
17.9	Item No169 Supplying and erecting triple pole mini feeder pillar with 500V, 300A FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and cartridge of 100A with aluminium bus bar erected in 14 SWG CRCA sheet box with supporting angles, self locks, gasket having IP54,IK10 protection and slanting top to be erected on provided foundation as per specification no. SW-SWR/MFP	5.00	Each	60880.00	297825.00	59565	297825
18.0	Item No170 Supplying & erecting single phase, 240V, street light control panel up to the max load of 12kW, SPN MCB 63A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54,IK10 protection, suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up,auto/manual selector switch, ON/OFF push buttons, indicator lamps, controlwiring, metering device, etc. for automatic operation & overcurrent, short circuit,earth fault protection on provided iron frame /	2.00	Each	26840.00	52520.00	26260	52520
18.1	Item No171 Supplying & erecting three phase, 415V, street light control panel up to the max load of 6kW, TPN MCB 40A, powder coated CRCA 14 SWG sheet, outdoor type, having IP54,IK10 protection, suitable rating contactor, 24 hrs. astronomical time switch with minimum 5 years battery back up, auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc. for automatic operation, with overcurrent, shortcircuit, earth fault protection on provided iron frame / CC foundation.	1.00	Each	25010.00	24470.00	24470	24470
18.2	Item No172 Supplying, erecting & marking SPMCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB	450.00	Each	190	83700.00	186	83700

18.3	Item No173 Supplying, erecting & marking SPMCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW- SWR/MCB	200.00	Each	190.00	37200.00	186	37200
18.4	Item No174 Supplying, erecting & marking FPMCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	50.00	Each	1165.00	57000.00	1140	57000
18.5	Item No175 Supplying, erecting and marking triple pole isolators only switch version of miniature circuit breaker of 40A with required wiring connections and lugs etc. in provided distribution board.	5.00	Each	665.00	3255.00	651	3255
18.6	Item No176 Supplying, erecting and marking four pole isolators only switch version of miniature circuit breakers of 63A in provided distribution board.	5.00	Each	805.00	3940.00	788	3940
18.7	Item No177 Supplying, fixing and commissioning MCB type change over switch 2 pole, 40 A with 3 positions (I-O-II) with centre off position as per specification no. SWSWR/MCBCOS	100.00	Each	1790.00	175100.00	1751	175100
18.8	Item No178 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 12 ways /phase (36 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on iron/GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB	10.00	Each	5070.00	49600.00	4960	49600
18.9	Item No179 Providing & erecting 3 Pole MCCB 415V, 250A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-WR/MCCB	50.00	Each	15575.00	761950.00	15239	761950
19.0	Item No180 Supplying, erecting & commissioning 4 pole RCCB 63A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW- RCCB/RCCB	50.00	Each	3215.00	157300.00	3146	157300
19.1	Item No181 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/ trunking/ inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	250.00	Rmt	100	24500.00	98	24500
19.2	Item No182 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or	1435.00	Rmt	235.00	330050.00	230	330050

	laid in provided trench/ pipe as per specification no. CB-LT/AL						
19.3	Item No183 Supplying and erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	500.00	Rmt	45.00	22000.00	44	22000
19.4	Item No184 Supplying and erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	200.00	Rmt	70.00	13600.00	68	13600
19.5	Item No185 Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit /trunking /inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	900.00	Rmt	100.00	88200.00	98	88200
19.6	Item No186 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 95 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/A	750.00	Rmt	730.00	535500.00	714	535500
19.7	Item No187 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base / flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden / 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick laminate with S M screws and duly connected	200.00	Each	50.00	9800.00	49	9800
19.8	Item No188 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/ flush type erected on filled polypropylene (IS:14772-2000) board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick laminate with S M screws and duly connected.	50.00	Each	65.00	3200.00	64	3200
19.9	Item No189 Supplying and erecting modular type switch 16A duly erected on provided plate and box with wiring connections complete.	20.00	Each	116.00	2260.00	113	2260
20.0	Item No190 Supplying and erecting HMS PVC conduit FRLS grade 20 mm dia. With PVC accessories on wall / ceiling as per specification No: WG-MA/CON.	100.00	Rmt	90	8800.00	88	8800
20.1	Item No191 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	50.00	Each	635.00	31050.00	621	31050

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20.2	Item No192 Point wiring in for light/fan/bell in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	200.00	Each	940.00	184000.00	920	184000
20.3	Item No193 Supplying and erecting energy saving ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF	2.00	Each	2635.00	5156.00	2578	5156
20.4	Item No194 Supplying and erecting condenser 2.5 micro farad for ceiling fan.	2.00	Each	75.00	146.00	73	146
20.5	Item No195 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch board	2.00	Each	295.00	578.00	289	578
20.6	Item No196 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab.	2.00	Each	225.00	440.00	220	440
20.7	Item No197 Supplying and erecting 20mm dia. corrugated flexible polypropylene conduit	25.00	Rmt	18.00	450.00	18	450
20.8	Item No198 Supplying and erecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wire mesh, duly erected, complete.	2.00	Each	1740.00	3404.00	1702	3404
20.9	Item No199 Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	25.00	Each	690	16875.00	675	16875
21.0	Item No200 Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22 / E-27 base.	5.00	Each	255.00	1245.00	249	1245
21.1	Item No201 Supply, Installation, Testing and commissioning of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete. Specification no. EA-MOBI	25.00	Each	15185.00	371425.00	14857	371425

21.2	Item No202 Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR	1670.00	Rmt	175.00	285570.00	171	285570
21.3	Item No203 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG- ODF/PTL	100.00	Each	2415.00	236300.00	2363	236300
21.4	Item No204 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FGODF/PTL	60.00	Each	1835.00	107700.00	1795	107700
21.5	Item No205 Making cement concrete foundation including excavation (45 x 45x 120) cm deep in 1:3:6 cement concrete, 20 to 25 mm stone metal, m(45 x 45 x 45) cm / 45 cm dia. x 45 cm height plinth duly plastered, with necessary curing and finishing complete.	273.00	Each	50.00	13377.00	49	13377
21.6	Item No206 40W/60W LED Decorative Tower Light with color Blue /WW /CW 7.5Mtr. with Include Pole/Bolt /Nut/Template with LED Driver	273.00	Each	62000.00	16560453.00	60661	16560453
21.7	Item No207 Supplying and erecting integrated LED flood light fitting Max. 30W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 3000 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.	36.00	Each	2910.00	102492.00	2847	102492
21.8	Item No208 Supplying and erecting integrated LED flood light fitting Max. 100W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 12000 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.	15.00	Each	9070	133110.00	8874	133110
21.9	Item No209 Supplying and erecting LED square / circular Max. 25 W down lighter/ Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto	15.00	Each	2145.00	31485.00	2099	31485

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	6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.						
22.0	Item No210 Supplying and erecting integrated LED Bollard Cylindrical /Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No FG- ODF/FLS2.	50.00	Each	5780.00	282750.00	5655	282750
22.1	Item No211 Supplying and erecting integrated LED round burial light 6W IP65 & IK10 class having pressure die-cast housing, having system lumens output of Min. 500 Lumens, min. efficacy of 85 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 100-240V, i nbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L50B50, including driver, salt spray tested for 500 Hrs. including making of recess of appropriate size for flushing into surface with 2 Year warranty as per specification No FG-ODF/FLS2.	6.00	Each	4475.00	26268.00	4378	26268
22.2	Item No212 Supplying and erecting Concealed type foot/step light Max. 5W having IP67. IK10 rated Pressure die cast housing having system lumens output of Min. 500 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, SDCM<5, p.f. >0.95, operating range of 230-270V,surge protection of 2.5 kV, Life class of 25,000 Hrs. at L70B50, including driver by making necessary arrangement/recess in wall to make it flush with surface with2 Year arranty.	4.00	Each	4220.00	16516.00	4129	16516
22.3	Item No213 Supplying and erecting Gate/garden light fitting with 300mm dia. glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FGODF/ GLT	5.00	Each	1260.00	6165.00	1233	6165
22.4	Item No214 Making trench in soft soil having 0.75 m depth and minimum 0.3 m width	370.00	Rmt	175.00	63270.00	171	63270

	for laying provided cables up to voltage level of 1.1kV complete As						
	per specification No. CW-EXN-CTR						
22.5	Item No215 Supplying & erecting FRP box of size 150mm x 125mm x 100 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	273.00	Each	545.00	145509.00	533	145509
22.6	Item No216 Supplying & erecting crimping type copper lugs for cable up to 16 sq mm complete as per specification No. CB- CL/CU	200.00	Each	25.00	4800.00	24	4800
22.7	Item No217 Providng earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	489.00	Each	5185	2480697.00	5073	2480697
22.8	Item No218 Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP	273.00	Each	1650.00	440622.00	1614	440622
22.9	Item No219 Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars, 500V, 100A having 15mm (Width) X 3 mm (Thickness), with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and Enclosure fabricated with 16 SWG CRCA sheet and epoxy paint, with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification no. CPBB	10.00	Each	6480.00	63400.00	6340	63400
23.0	Item No220 Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1.5 kW/2 HP with discharge 600/140 Litres per Minute (LPM) for head of 8/22 m & 50mm suction/ 50 mm delivery pipe on provided C.C. foundation as perspecification No. WP-CGP	5.00	Each	16300.00	79740.00	15948	79740
23.1	Item No221 Supplying & erecting minimum three & above star rated Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 7.5 KW/10 HP with discharge 1150/600 Litres per Minute (LPM) for head of 24/69 m and 65 mm suction/ 50 mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	2.00	Each	50000.00	97840.00	48920	97840
23.2	Item No222 Supplying & erecting automatic control panel for 3 Phase , 415 volt, A.C, Submersible/centrifugal pump set up to 7.5 HP consisting of DOL starter having relay range 9-14 AMP,S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer	7.00	Each	6670.00	45682.00	6526	45682

	single phasing, phase reversal, phase imbalance etc.						
23.3	Item No223 Supplying & erecting D.O.L Starter suitable for 250 V, Single phase 50 cycles with overload element with necessary materials and connected to supply up to 3 H.P.	5.00	Each	1280.00	6260.00	1252	6260
23.4	Item No224 Supplying & erecting D.O.L Starter suitable for 415 V, 3 phase 50 cycles with no volt coil and overload element with necessary materials and connected to supply for 10 H.P.	2.00	Each	3260.00	6380.00	3190	6380
23.5	Item No225 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	10.00	Each	6760.00	66140.00	6614	66140
23.6	Item No226 Supplying and erecting 100 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	6.00	Each	9065	53214.00	8869	53214
23.7	Item No227 Supplying and erecting static energy meter with 240V 50 Hz. AC supply 10 to 60 A, ISI mark, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh, V,I,PF, frequency, kW, kVA, six months history of Energy & MD in kW & kVA ) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	10.00	Each	3260.00	31900.00	3190	31900
23.8	Item No228 Supplying and erecting static energy Trivector meter 440 V 50 Hz. 20- 100A ISI mark meter AC 3 phase 4 wires LCD/LED display (Measuring and display Trivector, V, I, kW, PF, Hz, Last month history of kWh & MD in kW) with special features like TOD, Tamper logging, Optical Communication Port & Display in absence of Power complete erected on polished teak wood ↓ board duly wired with required size of weather proof PVC wires duly tested for class 1.0 accuracy by electric supply company.	5.00	Each	9065.00	44345.00	8869	44345
23.9	Item No229 Supplying and erecting minimum Three & above star rated submersible pump set suitable for erection on open well of 5.625 KW/7.5 HP with 415 V 50 c/s. A.C. supply, having delivery head from 57 to 22 m and discharge from 120 to 900 litres per minute & pipe of Suction 75 mm/Delivery 65 mm diameter erected with necessary H type clamps as per specification No. WP-OSP	5.00	Each	41520.00	203115.00	40623	203115
24.0	Item No230 Supplying, installing, testing and commissioning of 5 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 24V pure sine wave solar power inverter (THD<3%), SPV Modules (335 WP X	8.00	Each	410670.00	3214400.00	401800	3214400

	15 Nos.), C-10 rated lead acid battery bank 24V, 300Ah x 4 nos. (12V, 300 Ah x 8 nos) suitable for 4 Hours backup with suitable MS powder coated stand to hold battery bank and keeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar inverter in casing and capping, display board, sign board, two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 years ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFG						
24.1	Item No231 Supplying and erecting three phase 10 to 60 A net meter DLMS compliance of accuracy class 1.0, 3 x 240V, 50 Hz, with backlit LCD display, optical port and RJ 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh, V, I, kW, 6 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	8.00	Each	12350.00	96664.00	12083	96664
24.2	Item No232 S.I.T.C. of LIGHT 851, Wattage 30W-40W Power Module LED,3000k,Upright Light 851:it's upper square frame in single piece made of die cast aluminum using pressure die-casting process, with a decorative element which is also made of die cast aluminium using pressure die-casting process, fixed on the top. Auxiliary and optical compartment can be accessed by tilting the top frame.Bottom frame with Company /brand name engraved in the mold, in single piece, made of die cast aluminum using pressure die-casting process with a four-armed bracket with flange, which is also made of die cast aluminum using pressure die- casting process, fixed at the bottom. Frosted Screen made of polymethylmethacrylate (PMMA) molded in a single piece using Injection molding process. Screen's Impact resistance: IK06. Pure polyester powder coating in Standard Grey Colour. IP Rating - IP 66. Power LED Module with Company /brand name printed on PCB with the metal core plate.LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make - same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > 70. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Optics with refractive lens in PMMA/PC . LED Lifetime >1,00,000hours@Ts 85°C. LM80 report from LED	13.00	Each	16500.00	209872.00	16144	209872

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	Manufacturer should be						
	submitted. The Light fixture shall be in						
	compliance with IEC 60598-2-3; IEC						
	60598-1(Supporting Test Report from						
	UL/UL Authorised/Intertek						
	Laboratory should be submitted)						
	.LM79 report also should be						
	submitted from UL/UL						
	Authorised/Intertek						
	Laboratory.Sample should be						
	submitted for approval from						
	concerned engineer-in charge.						
24.3	Item No233						
	S.I.T.C. of 3M HEIGHT						
	ARCHITECTURAL POST TOP						
	POLE3M height Pole made of						
	complete cast iron decorative						
	components where the internal						
	fabricated pole of 3M is made in						
	combination of mild steel pipe						
	sections of suitable size covered on						
	the outside by decorative cast iron						
	base and columns. Decorative Cast						
	iron Base in the cast iron mould,						
	height again followed by a ring dia						
	210mm and gradual tapering upto a						
	dia 92mm as approved by the						
	econerned Engineer the total height of						
	decorative cast iron base is 700mm						
	and weight-32kgs. Decorative cast						
	iron base should be provided with a						
	flush door of length 228mm, width						
	124mm and height 30mm. Decorative						
	cast iron flower starting with a dia 102						
	mm increasing gradually to 160mm						
	and then tapering to a dia 99mm.Total						
	height of cast iron flower is 304 mm						
	height of cast iron flower is 304 mm						
	& weight is 6.3kgs Decorative cast						
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia.						
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along						
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is						
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is						
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is	12.00		16500.00	200972.00		200072
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm -	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5%	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind pressure calculation as per IS	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind pressure calculation as per IS 875(part-3) & structural calculation	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind pressure calculation as per IS	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be	13.00	Each	16500.00	209872.00	16144	209872
	& weight is 6.3kgs Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in- charge. The pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pole to be provided with a suitable size steel base plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Internal pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. wind pressure calculation as per IS 875(part-3) & structural calculation	13.00	Each	16500.00	209872.00	16144	209872

24.4	painted in 3 layer coating(coating thickness-100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint. Item No234 S.I.T.C. of Spot Light, NSL-10S, LED,9-11W,LED, 3000k,IP 66 Body made of Aluminium and finished with pure polyester powder coating in grey colour. Screen in flat tempered glass. Dimension- 65mm(Dia.) minimumx220mm(L) minimum,Weight-0.7kgs minimum. Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current, IP 66 protection,voltage input AC240V.	47.00	Each	9900.00	455242.00	9686	455242
24.5	Estimated Lifetime-L70 @ 50,000hours minimum. Item No235 S.I.T.C. of NCL-02S-Ceiling Light, 10-15W, LED, 3000k, IP 65 Body made of aluminium & screen in tempered glass (IK 08). Pure Polyester powder coating in RAL 9005 Matt. Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current. Dimension- 126mm (Dia.) x 138mm(H), Weight- 1.2kg. Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. Sample should be submitted for approval from concerned engineer-in charge. Sample should be submitted for approval from from Architect/ engineer-in-charg	17.00	Each	16890	280925.00	16525	280925
24.6	Item No236 S.I.T.C. of MELIA-ILLUMINATED BOLLARD-10W-15W,LED, 3000KThe Bollard suitable for on ground installation,It is made in combination of Steel pipe of 127mm dia. & decorative cast iron elements After Fabrication, Entire bollard should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion.Decorative base with company name/logo engraved - it's design starting with 178mm dia. continues for a height of 30mm,than gradually tapering to 150mm,for a height of 60mm, ends. with ring of 165dia. and 20mm height. total height of the base is 140 mm & Weight is 3Kgs. and top sphere shaped decorative element design starting with a ring of 150mm dia. and 18mm height,followed by a section of 130mm dia,then gradually tapering to 70mm dia. for a height 17mm,followed by a ring of 87mm dia.,17mm height and ends with a sphere section of 125m dia. total height is 170mm - Weight is 3Kgs.All cast iron parts weight mentioned are with +/- 5% tolerance. LED source is made of Silicon material-Much more flexible,Efficient heat dissipation,Perfect resealing with silicone glue. Mounting channel made of aluminium. Diffused Screen in Acrylic, LED-source	100.00	Each	12320.00	1205400.00	12054	1205400

glie 3M, 120 degree heam angle, Voltage DC 24V. 18 also includes External common Electronic Power Supply/Meanwell Edizivationt, Which, offers Protection against Stort Circuit, O'Der- Voltage & O'Der- Current, with Polycester Power Conting in customical colour Metaliais Cirey, IP Rating - IP 54, Height - 1000mm, Dia - 127mm. <ul> <li>Partice 1. 2000</li> <li>Parintere 1. 2000</li> <li>Partice 1. 2000</li></ul>			0	1		1	1	
Voluge DC 24V. It also includes           Future Journal Release Short Creat, Oren: Voltage & Over- Current, which in-built singe protection Fisher. Pure Posterior 2000 Ming in Posterior 2000 Ming in Network Posterior Ming in Posterior 2000 Ming in Posterior 2000 Ming in NIL-145, ELD, 8-100 Mom, Dia - 127mm.           24.7         Item No337 SLTLC. of Underwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.         Item No337 SLTLC. of Underwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.         Item No337 SLTLC. of Underwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.         Item No337 SLTLC. of Underwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.         Item No337 SLTLC. of Underwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.         Item No337 SLTLC. of Minderwater Spot Light, NIL-145, ELD, 8-100 Ming, Dia - 127mm.           21486         Horsen Fortion Tables scale ensures the Jarces Porteoin - 1268.         21060.00         42972.00         21486         42972 dia - 21486           9000 Fortion against Short Creant, Orsen J Dath which should fore various Barne J Dath which should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore various Barne J Dath which Should fore the Should barne various Barne J Dath which Should fore Should barne various Should fo		Efficacy>90lm/W,SMD LED,yellow						
Voluge DC 24V. It also includes           Fitter common Electronic Power SupplyMeamwell / Equivalent), which offers Production agains Short Creating, Drever Voluge & Over- Current, with in both singe protoction. Thisk- Pure Polymeter Power Conting in Power Power (Power Power), IP Rating - 19 541 (eight - 1000mm, Dia - 127mm.           24.7         Teem Wo337           SLTLC. of Underwater Spot Light, NTL-145. The hosting in circular shape is completely made of high attracting trainings steed/Squade minimum). Protection spress rupply NIL-145. The hosting in circular shape is completely made of high attracting trainings steed/Squade minimum). Protection assess to Engress Potection-IP 68. Dimension-Dia-145mm,Height - 180mm, Weight - 12Xgs. Power LED Module with high efficace y I-EPD (Creet/OnaruNichiaT amileds), 2.00         2.00         Fach         21960.00         42972.00         21486         42972           24.8         Item Wo237 (Freetowner Street) in Different against Short Circuit, Over- Volage & Over- Current, with in-buil surge protection. Tens made of PC which should offer various beam angles. Estimated LED Lifetime is 1.70- S0.000 hours minimum. LM80 report from LED Manufacturer should be submitted for concentral difference-Difference and proves of Dight fitture.         12.00         Each         16280.00         191136.00         15928         191134           24.8         Bern Wo238         SLTLC of Kuifa-Lifetime for Supple Should be submitted for approval from concentent genere-in an itempered glass (IK 60, Burying Nature J, Burying Lifetime Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lifetime-Lif		glue 3M.120 degree beam angle.						
External common Flectronic Power Shapply(Meanwell, Equivalent), which offers Protection against Short Circuit, Over- Volage & Over- Current, with an-built surge protection. Flaish-Purc Polyseur Provder Carling in customised colour Metallaic Grey ID R. 175 en 51. Hiejer - 1000mm, Du           21.7         St.117. Col II derivative Spot Light. NILL-145, LED, 8-10W, LED, 3000k, IP 68, External common pover supply NHL-145; The bousing in circular shape is completely main of brian strength stainless steel (SO4grade minimum). Protection screen in clear tempered glass with high impact encares. In Engress Protection. 4P 68. Discussed in Light Space Colour Spatial concurse. The Statistical Light Spatial encares the Light Space Spatial concurse. The Statistical Light Spatial encares the Light Spatial Light Spatial electronic Power Supply for LED Module with high efficace g & Over- Current, with mails arge protection. Lens made of PC which should for various the managles. Statistical Common external electronic Power Supply for LED Module with field Frequence. Spatial Short Circuit, Over- Volage & Over- Current, with mails arge protection. Lens made of PC which should be submitted for concerned engineer incharge for approval of light figure. Should be submitted for concerned engineer incharge for approval of light figure. Should be submitted for concerned against Short Circuit, Over- Volage & Over- Current, Dimension-35 (Dia). Should be submitted for approval from concerned engineer- in there In ANB Sterrent barrent Nick Spatial External should be submitted for approval from concerned engineer- in charges. Sample Should be submitted Sample Should be submitted Sample Should be submitted Sample Should be submitted for approval from concerned engineer- in charges. Sample Should be submitted approval from concerned engineer- in charges. Sample Should b		Voltage DC 24V. It also includes						
Supply(Meanwell/Equivalent) which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Flink- Pure Polysister Powder Costing in customised colour Median Grey. IP Rating. IP 54. Height - 1000m, Dia -127mm <ul> <li>Protection against flick Grey. IP Rating. IP 54. Height - 1000m, Dia -127mm</li> <li>St.T. C. of Underwater Spet Light. NTL-145. LED, 8-10W, LED, 30000, R ML-145. LED, 8-10W, LED, 30000, R ML-145. LED, 510W, LED, 30000, R ML-145. The businest prevalue shape is completely mark of high strength statistics stretcure and multi-protection silicon while real complex (Corecionan Nickita Lumileds), on Printed Circuit Board with metal core place. Common extra DED Medial exhibit Differs Protection against Short Circuit. Once: Voltage &amp; Over- Current, with in-built surge protection Los make of PC which should offer various beam angles. Estimated LED Lifetime. Sample Should be submitted for concerned enginese incharge for approval of flight fixture.               24.48             Neit No. LED, 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 30000, LED 300</li></ul>								
offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Fluisb. Pure Polyseter Powder Casting in customised colour Metallatic Crey, IP Rating: 19-44. Equit. 1000mm, Dia 127mm           24.7         BLT.C. of Underwater Spot Light, NIL-145. LED. 8-10W, LED. 3000k, IP 06,Xisternal common power supply NIL-145. The housing in circular shape is completely moder of high strength stainless steel(304/grade minitum). Protection screen in clear tempered glass with high impact resistance. Precise structure and multi-protection islicon rubber seal estores the larges Protection. IP 68. Dimension-Dia. 145mm,Height Wom, Woght - 125, Const. Weight - 125, Weight - 125, Weight - 125, Const. Weight - 125, Weight - 1								
Over- Valuge & Över- Current, with in-built surge protection. Fluids. Pare Customiced colour Medianic Grey, IP Rating - IP 54.11eght - 1000mm, Dia - 127mm.								
ain-built surge protection. Flinish. Pure Polyester Povder Coult Metallais Grey, IP Rating - 1954. Height - 1000mm, Dia - 127mm.         bit No 2037           24.7         Item No237         SLT.C. of Underwater Syot Light, NHL-145. ELD, 8:100. LED, 3000k, P 08, External common pover supply NHL-145. The hosting in circular shape is completely made of high strength shalless seted/Slighted minimum. Protection screen in Clear tempered plass with high efficacy constructs the process Protection-PI 08. Dimension-174. 145mm, Height 1800m, weight - 1.45mm, Height 1800m, weight - 1.45mm, Height 1800m, weight - 1.45ms, Height 1800m, weight - 1.45ms, Height 1800m, Weight - 1.45ms, Height 1800m, Weight - 1.45ms, Height 1800m, Stort Circuit, Over Voltage & Over- Current, with in-built surge protection: Power Supply for LED Mediac, which offers Protection against Stort Circuit, Over Voltage for the should offer virous beam angles. Estimated LED Lifetime is 170- 50,000 hours minimum. LM80 report from LED Mandatures should be atomitted. Mit 7000 Light fixture engineer incharge for approval of light fixture.         12.00         Each         191136.00         15928         191134.           24.8         Item No238 SLT.C. of 1 Mit, Length of 489 Should Ster protection against Shout Circuit, Over-Voltage & Over- Current. Dimension-35 (Dia), cX3mm(L), Weight - 0.16, Estimated Driver which offers Protection against Shout Circuit, Over-Voltage & Over- Current. Dimension-35 (Dia), cX3mm(L), Weight - 0.16, Estimated Should Ster protection against Shout Circuit, Over-Voltage & Over- current. Dimension-35 (Dia), cX3mm(L), Weight - 0.16, Estimated Should Ster protection against Shout Circuit, Over-Voltage & Over- current. Dimension-35 (Dia), cX3mm(L), Weight - 0.16, Estimated Shout Desport from LED Mandrage Should be submitted for aproval from from Architect' reg								
Polysister Powider Coating in customised colum Metalliki Grey, IP Rating: JP 54.Height - 1000mm, Dia -127mm.         Image: Power Strength Statistics (Power Strength Statistics (								
eustomised cohort Medilia Crey, IP Rating - IP 54.Height - 1000mm, Dia -127mm.         -           24.7         Item No237           SLT.C. of Underwater Spot Light, NIL-145, ELP, 8-100, VLED, 3000k, IP 66, External common power supply NIL-145; The hosting in circular shape is completely made of high strength stanless steel(304gad minimum). Protection screen in clear tempered glass with high import resistance. Precise structure and of momenton Du-145mm.Height - IB0mm, Weight - 12, Elps. Power 1/ED Module with high efficacy LED94(Cree/Oram/Nichir/Lamileds), on Printed Circuit Board with metal electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over-Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifether action of PC with should offer various beam angles. Estimated LED Lifetherase should be summited. Minimum Light fature should offer various beam angles. Estimated LED Lifetherase should be summited. Minimum Light fature and be abarined fatures should be summited. Minimum Light fature should offer various beam angles. Estimated LED Lifetherase careal engineer incharge for approval of light mume.           24.8         Item No238 SLTC. of NB46-L-Ground Buried Lifetime-170 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted mage. Sample should be submitted mage. Sample should be submitted mage. Sample should be submitted for approval hour from Architecy engineer in-charge.         12.00         Each         191136.00         15928         191130           24.9         Item No239 SLTC. of NIM-Length of 48V Tack. For track light with connectores approval hour from Architecy engineer in-charge.         3000.00         Each         8140.00								
Rating - IP 54.Height - 1000mm, Dia - 127mm.         -           24.7         Item No237           SLTC. of Underware Spot Light, NHI -145, IED, 8-10W, IED, 3000k, IP 66.Kermal common power supply NHII -145. The housing in circular shape is completely made of high strength stainless steel/304grade minimum, Protection screen in clear tempored glass with high impact resistance. Precise structure and multi-protection allicon rubber eal censures the Ingress Protection - P68. Dimension-Dia - 145 mm,Height - 180 mm, Weight - 12,Kgs.         2.00         Each         21960.00         42972.00         21486         42972           0 Printed Circuit Board with metal core printed Circuit Board with metal effect come over Stopply for LED Module, which offser Protection against Short Circuit, Over- Voltage & Over- Current, with in-bult surge protection. Lens made of PC which should fer varius beam angles. Estimated I-ED J. Heitme is 1.70- 50.000 hours minimum. LM80 report from LED Manufacturer should be submitted. Misimum Light fixture Lumen output is 700 Lumens. Sample Should be submitted for concerned engineer incharge for approval of light for three.         12.00         Each         16280.00         191136.00         15928         191134           24.8         Item. Core in Suinfer Stope from LED Manufactures and lear studies and against Bort Circuit, Our-Vinge & Over- Current, Dimension 35 (Dia)         12.00         Each         16280.00         191136.00         15928         191134           24.9         Item. No239         SLT.C. of I Mit Length of 48V Track. for track Light with connectors approval from Concered engineer-in-charge.         3000.00 <td></td> <td>Polyester Powder Coating in</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Polyester Powder Coating in						
24.7         Item No237           SLT.C. of Underwater Spot Light, NHL-145, LED, 8-100, VLED, 3000k, IP 68, External common power supply NHL-145. The housing in circular shape is completely made of high strength stainless steel(30/grade minimum). Protection screen in clear tempored glass with high efficacy         2.00         Each         21960.00         42972.00         21486         42972           Bömmunder Versions-Dia-145mm.Height – IB0mm, Weight + 12X,gs.         2.00         Each         21960.00         42972.00         21486         42972           VEDS Creec/Osam/Nichia/Lumileds), on Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit. Over-Voltage & Over- Current, with n-built surge protection. Lens made of PC which should fort various beam angles. Estimated LED Lifetime is L700- 50.000 hours minimum. LM80 report from LED Manufactures should be submitted. Minimum Lifetif frature ungine inchange for approval of light from LED Manufactures should be submitted. Minimum Lifetif frature should be submitted for concentent ungine inchange for approval of light from LED Manufactures should be submitted. Minimum LM80 report from LED Manufactures should be submitted approval from from Architect' engineer-in-change.         12.00         Each         16280.00         191136.00         15928         19113           24.8         Kumer J70(@ Should be submitted for approval from from Architect' engineer-in-change.         3000.00         Each         16280.00         191136.00         15928         191136.00           24.9 <t< td=""><td></td><td>customised colour Metallaic Grey. IP</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		customised colour Metallaic Grey. IP						
24.7         Item No237           SLT.C. of Underwater Spot Light, NHL-145, LED, 8-100, VLED, 3000k, IP 68, External common power supply NHL-145. The housing in circular shape is completely made of high strength stainless steel(30/grade minimum). Protection screen in clear tempored glass with high efficacy         2.00         Each         21960.00         42972.00         21486         42972           Bömmunder Versions-Dia-145mm.Height – IB0mm, Weight + 12X,gs.         2.00         Each         21960.00         42972.00         21486         42972           VEDS Creec/Osam/Nichia/Lumileds), on Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit. Over-Voltage & Over- Current, with n-built surge protection. Lens made of PC which should fort various beam angles. Estimated LED Lifetime is L700- 50.000 hours minimum. LM80 report from LED Manufactures should be submitted. Minimum Lifetif frature ungine inchange for approval of light from LED Manufactures should be submitted. Minimum Lifetif frature should be submitted for concentent ungine inchange for approval of light from LED Manufactures should be submitted. Minimum LM80 report from LED Manufactures should be submitted approval from from Architect' engineer-in-change.         12.00         Each         16280.00         191136.00         15928         19113           24.8         Kumer J70(@ Should be submitted for approval from from Architect' engineer-in-change.         3000.00         Each         16280.00         191136.00         15928         191136.00           24.9 <t< td=""><td></td><td>Rating - IP 54. Height – 1000mm, Dia</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		Rating - IP 54. Height – 1000mm, Dia						
24.7     Item No237       St.TtC. of Underwater Spot Light, NHL-145. TED, 8-10W, IED, 3000k, P 68. External commo power supply NHL-145. The bousing in circular shape is completely mude of high strength stainless stel/304grade minimum, Protection acrem in clear tempored glass with high impact resistance. Precise structure and multi-protection alicon rubber seal consures the Ingress Protection P 68. Dimension-Dat. 145mm,Height – 1800mm, Weight - 1.2Kg.s. Power LED Module with high efficacy LEDV(Cree/Orarm/Nichin/Lumiledx), on Printed Circuit Board with netal electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over-Voltage & Over- Current, with in-built surge protection. Less made of PC which should offer various beam angles. Estimated LED Lifethurers should be submitted. Minimum Light fixture Lumen output i 570Lumens. Sample Should be submitted for concerned engineer incharge for approval of Fight Extrus.     12.00     Each     16280.00     191136.00     15928     191134       24.8     Item No238 SLT.C. of NOB*-1-Ground Buried Lifetime-170 @ 5000b hours minimum. LBM0 report from EDriver which offers Protection against Slow 17: 000 hours minimum. KM80 report from LED Maudicturer should be submitted Short Circuit, Over- Voltage & Over- Current Dimension-35 (0ia). X38mm(H), Weight-0.14g, Estimated Lifetime-170 @ 5000b hours minimum. KM80 report from LED Maudicturer should be submitted for approval from from Architect' engineer-in charge.     12.00     Each     16280.00     191136.00     15928     191134       24.9     Item No239 SLT.C. of 1 MR. Length of 48V Track for track Light with connectors (LX Bhape connectors)     3000.00     Each     8140.00     2389200.00     7964     2389200.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
24.8     SLT_C. of Underwater Spot Light, NHL-145, LED, 8-1000, ULED, 30000, IP 65, External common power supply NHL-145. The housing in circular shape is completely made of high strength stainless steel (304grade minimum). Protection screen in clear tempered glass with high inpact resistance. Precise structure and multi-protection silicon rubber scal crearers the Ingress Protection-IP 68. Dimension-Dia1520, IEED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum. LM80 report from LED Module submitted for engineer incluage for approval of light strungt of manifecturer should be submitted. Minimum LM80 report from LED Manufacturer should be submitted. Minimum LM80 report from Circuit, Over- Voltage & Surgel Should be submitted for concerned in tempered upsci (ND). Barying barrel in ABS. Futernal Electronic Diview which offers Protection in tempered upsci (ND). Barying barrel in ABS. Futernal Electronic Diview which offers Protection in tempered upsci (ND). Barying barrel in ABS. Futernal Electronic Diview which offers Protection against Short Circuit, Over. Voltage & Over- Current, which offers Protection in tempered upsci (ND). Barying barrel in ABS. Futernal Electronic Diview which offers Protection in tempered upsci (ND). Barying barrel in ABS. Futernal Electronic Current, Which offers Protection against for concerned compered the submitted for approval from concerned (LETshape connectors)     12.00     Each     8140.00     23892000.00     7964     2389200 (Diview 4011	24.7							
NHL-145. LED, S-10W, LED, 3000k, IP 65. Katernal commo power supply shape is completely made of high strength stainless steel (304grade minimum). Protection screen in clear tempered glass with high impact resistance. Precise structure and multi-protection silicon rubbers and leases the largest Protection and High efficacy LED Module with high efficacy LEDS(Cree/Osram/Nichia/Lumileds), o P Firthed Circuit Board with metal electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over: Voltage & Over- Current, with in-built surge protection. Less made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum.LM80 report from LED Maunfacturer should be submitted. for concerned engineer incharge for approval of light fixture.12.00Each16280.00191136.001592819113424.8Item No238 SLT.C. of NGB-61-Ground Buried Uplight, 1-2W, LED, 3000, IP of Body made of Dig. Struct Submitted. K03. Burying barrel in ABS. Sternal Electronic for Assessing process. Top Cover in Stainless steel & Serimated structures. Sample Should be submitted. Sample should be submitted for approval from concerned engineer-in-charge.12.00Each Each 16280.00191136.001592819113424.9Item No238 SLT.C. of IMB-61-Ground Buried Uplight, 1-2W, LED, 3000 hours minimum.LM80 report from LED Mamfacturer should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted. Sample should be submitted.	27.7							
24.8     IP 66.Fxternal common power supply NHL-145: The boxis in circular shape is completely made of high strength stainless steel (304grade minimum). Protection serven in clear resistance. Precise structure and multi-protection sition rubber scall ensures the Ingress Protection-IP 68. Dimension-Dia. 145: The Main High efficacy LED System High the tall core plate. Common external electronic Power Supply for LED Module which offer Protection against Short Circuit, Over. Voltage & Over. Current, with in-bmit surge protection. Lens made of PC which should be which offer Protection against Short Circuit, Over. Voltage & Over. Current, with in-bmit surge protection. Lens made of PC which should be submitted for concerned engineer incharge for approval of light fixture.     2.00     Each     21960.00     42972.00     21486     42972       24.8     Item No238     S1.1 C, of NGB-61-Ground Buried Uplight, 1-2W, LED 30006, IP of Body made of Db cast aluminium using pressure dic casting process. Top Cover in Shumless steel & Screen in intempored glass (IK 08). Burying barrel in ABS. External Electronic Driver which offer Protection against Short Circuit, Over. Voltage & Over- Current. Ubing for Direction against Short Circuit, Over. Voltage & Over- Current. Ubing for Outcomes minimum. LM80 report from LED Mainfacturer should be submitted for approval from concerned engineer-in-charge.     12.00     Each     16280.00     191136.00     15928     191134       24.9     Item No238     Starter Bortection against for approval from concerned engineer-in-charge.     3000.00     Each     8140.00     23892000.00     7964     2389200       24.9     Item No239     SLT,C, of 1 Mr. Length of 48W Track for track light with connectore								
NHL 145: The boxing in circular shope is completely made of high strength stainless steel(304grade minimum). Protections serven in clear tempered glass with high impact resistance. Precise structure and multi-protection silicon rubber seal ensures the largers Protection. P6 8. Dimension-Du. 145mm, Height 180mm, Weight -12Kg.s. Power LED Module with high efferacy LED54(Cree/Orann/Nichia/Lumileds), 2.002.00Each21960.0042972.0021486429720Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module which offers Protection against Short Circuit, Over- Voltage & Over Current, with in-built surge protection. LED Manfacturer should be submitted. Minimum LM80 report from LED Manfacturer should be submitted. Minimum LM80 report from LED Manfacturer should be submitted. Minimum LM80 report for approval of light frithure.12.00Each 16280.00191136.001592819113624.8Item, C. of NGR-6-1-Ground Buried Uplight, 1-2W, LED, 30000, IP of/Body made of Die astaluminimu using pressure die casting process. Top Cover in Stainlase Steel & screen in tempered glass (K 08). Burying barel Lifetime-LD & 20,000 hours minimum. LN80 report for Lifetime-LD & 20,000 hours minimum. LN80 report for cast aluminium LN80 report for approval for in Concented engineer-in charge.12.00Each16280.00191136.001592819113624.9Item No239 SLTLC, of 11 Mr. Length of 48V Track for track light with connectores (L&Tshape connectors)3000.00Each8140.0023892000.007964238920025.0Item No240 Making M-20 grade reinforced cemeet concertes								
shape is completely made of high strength stainless steel (304grade minimum). Protection screen in clear resistance. Precise structure and multi-protection silicon rubber seal ensures the largerss Protection-rub6 8. Dimension-Dia. 1450; Power LED Module with high efficacy LED System Alticuture Hoad with metal core plate. Common external electronic Power Supply for LED Module with offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should be with offer Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should be submitted for concerned engineer incharge for approval of light future.         2.00         Each         21960.00         42972.00         21486         42972           24.8         Item No238         S.11.7. of NGB-61-Ground Buried Uplight, 1.2W, LED, 30000, IP         12.00         Each         16280.00         191136.00         15928         191136           24.8         Item No238         S.11.7. of NGB-61-Ground Buried Uplight, 1.2W, LED, 30000, IP         12.00         Each         16280.00         191136.00         15928         191136           24.9         Item No239         S.11.7. of NGB-61-Ground Buried Uplight, 1.2W, LED, 30000, IP         12.00         Each         16280.00         191136.00         15928         191136           24.9         Item No239         S.11.7. of NMB-61-Ground Buried Uplight, 1.2W, LED, 30000, IP         12.00         Each         16280.00         191136.00         15928 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
<ul> <li>streight stainless steel(304grade minimum). Protection sercen in clear tempered glass with high impact resistance. Process structure and multi-protection silicon rubber seal ensures the Ingress Protection-19 68. Dimension-Din:145mm,Height - 180mm, Weight - 12Kgs. Power LED Module with high efficacy LED's(Cree Osram/Nichia/Lumileds), on Pristed Circuit Board with metal core plats. Common external electronic Power Supply for LED Module_which offers Protection against Short Circuit, Over- Voltage &amp; Over - Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is 1.70- 50,000 hours minimum.LM80 report from LED Manufacturer should be submitted. Minimum Light fixture Lumen output is 700Lumens. Sample Should be submitted for concerned engineer incharge for approval of light of/Brdoy made of Die cast aluminimu using pressure die casting process. Top Cover in Stainless steel &amp; screen in tempered glass (IK 08). Burying barrel in ABS.External Electronic Driver which offers Protection against Short Cureut, Over - Voltage &amp; Submitted. Minimute Should be submitted for approval from non-LED minternet and be submitted for approval from non-LED minternet end against Short Coreut, Over- Voltage &amp; Over- Current.Dimension-35 (Dia) x38mm(f). Weighber Olta) Should be submitted for approval from non-LED minternet end against Short Cureut, Over- Voltage &amp; Over- curent.Dimension-35 (Dia) x38mm(f). Weighber Olta) Sample should be submitted for approval from non-ender engineer- in charge. Sample should be submitted for approval from non-ender engineer- in charge. Sample should be submitted for approval from non-endered engineer- in charge. Sample should be submitted for approval from non-endered maker with connectors (L&amp;Tshape connectors) 25.0 Item No240 Making M-20 gnade reinforced ement concret foundation by 154.00 Each 4100.00 617694.00 4011 617694.00 Each 4100.00 617694.00 4011</li> </ul>								
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itempered glass with high impact resistance. Process structure and multi-protection silicon rubber seal ensures the Ingress Protection-1P 68. Dimension-Dia.145mm,Height 180mm, Weight - 1.2Kgs.         2.00         Each         21960.00         42972.00         21486         42972           LED'S Odew with high efficacy LCPS (CreeOram/Nichia/Lumileds), on Printed Circuit Board with metal electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is 1.70- S0.000 hours minimum LM80 report from LED Mandacturer should be submitted. Minimum Light fixture Lumen output is 700Lumens. Sample Should be submitted for concerned engineer incharge for approval of light fixture.         12.00         Each         16280.00         191136.00         15928         191136.           24.8         Item No238 S.I.T.C. of NGB-6-1-Ground Buried Uplight, L-2W, LED, 3000k, IP         12.00         Each         16280.00         191136.00         15928         191136           24.8         Item No238 S.I.T.C. of NGB-6-1-Ground Buried Uplight. L-2W, LED, Nothine J.         12.00         Each         16280.00         191136.00         15928         191136           24.8         Item No238 S.I.T.C. of NGB-6-1 Ground Buried Uplight. L-2W, LED. Not Restring the Start Short Crucit, Over Voltage & Over- Current. Dimension-35 (Dia) x38mm(th). Weight colls, Estimated Lifetime-L70 (@ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted for approval from concerned engineer-in charge. Sample should b		strength stainless steel(304grade						
24.8     Item Protection situation of the stand ensures the Ingress Protection-IP 68. Dimension-Din. 1450: Power LED Module with high efficacy LED's(Creet/Oram/Nichin/Lumileds), on Printed Circuil Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuil, Over- Voltage & Over - Current, with in-built surge protection. Less made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum. LMS0 report from LED Manufacturer should be submitted. Minimum Light fixture Lume notput is 700Lumens. Sample Should be Submitted for concerned ergineer incharge for approval of light fixture.     12.00     Each     16280.00     191136.00     15928     191134       24.8     Item No238 S.17.C. of NGB-61-Ground Buried Uplight, 1-2W, LED 30000 hours minimum. LMS0 report     12.00     Each     16280.00     191136.00     15928     191134       24.8     Item No238 S.17.C. of NGB-61-Ground Buried Lifetime-170 (# 30,000 hours minimum. LMS0 report from LED Manufacturer should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from from Architect' engineer-in-charge.     12.00     Each     8140.00     2389200.00     7964     2389200       24.9     Item No230 Making M-20 grade reinforced ement concerce foundation by S17.C. of 1Mr. Length of 48V Track for tack light with connectors     3000.00     Each     8140.00     617694.00     4011     617694.00		minimum). Protection screen in clear						
24.8     Item Protection situation of the stand ensures the Ingress Protection-IP 68. Dimension-Din. 1450: Power LED Module with high efficacy LED's(Creet/Oram/Nichin/Lumileds), on Printed Circuil Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuil, Over- Voltage & Over - Current, with in-built surge protection. Less made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum. LMS0 report from LED Manufacturer should be submitted. Minimum Light fixture Lume notput is 700Lumens. Sample Should be Submitted for concerned ergineer incharge for approval of light fixture.     12.00     Each     16280.00     191136.00     15928     191134       24.8     Item No238 S.17.C. of NGB-61-Ground Buried Uplight, 1-2W, LED 30000 hours minimum. LMS0 report     12.00     Each     16280.00     191136.00     15928     191134       24.8     Item No238 S.17.C. of NGB-61-Ground Buried Lifetime-170 (# 30,000 hours minimum. LMS0 report from LED Manufacturer should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from concerned engineer-in etarge. Sample should be submitted for approval from from Architect' engineer-in-charge.     12.00     Each     8140.00     2389200.00     7964     2389200       24.9     Item No230 Making M-20 grade reinforced ement concerce foundation by S17.C. of 1Mr. Length of 48V Track for tack light with connectors     3000.00     Each     8140.00     617694.00     4011     617694.00		tempered glass with high impact						
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ensures the largess Protection-IP 68.     Dimension-Dia-145mm,Height - 180mm, Weight - 12Kg.     Power LED Module with high efficacy     2.00     Each     21960.00     42972.00     21486     42972       0     Dirited Circuit Board with metal core plate. Commo external electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Less made of PC which should offer various beam angles.     2.00     Each     21960.00     42972.00     21486     42972       24.8     Item No238     SLT.C. of NGF-61-Ground Buried Upight, 1-2W, LED, 3000k, IP     670.00     191136.00     15928     191136       24.8     Item No238     SLT.C. of NGF-61-Ground Buried Upight, 1-2W, LED, 3000k, IP     12.00     Each     16280.00     191136.00     15928     191136       24.8     Item No238     SLT.C. of NGF-61-Ground Buried Upight, 1-2W, VED, 3000k, IP     12.00     Each     16280.00     191136.00     15928     191136       24.8     Item No239     SLT.C. of Item Stream Electronic Driver which offers Protectin against Short Circuit, Over - Voltage & Over- Current. Dimension 35 (Dia.)     12.00     Each     16280.00     191136.00     15928     191136       24.9     Item No239     SLT.C. of Item, Length of 48V Track for track light with connectors (L& Tahape connectors)     3000.00     Each     8140.00     23892000.00     7964     2389200								
Dimension-Dia145mm,Height - 180mm, Weight - 128gs. Power LED Module with high efficacy LEDS/Cree/Oram/Nichia/Lumileds), on Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over - Voltage & Øver- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum.LM80 report from LED Mandatcurrer should be submitted. Minimum Light fixture 244.82.00Each21960.0042972.002148642972244.8Item No238 SLITC. of NGB-61-Ground Buried Uplight, I-2W, LED, 3000k, IP 6/7Body made of Die cast aluminium using pressure die casting process. Top Cover in Staniels steel & screen in tempered glass (IK 08). Burying barrel in ABS.External Electronic Driver which offers Protection against Short Circuit, Over - Voltage & Over- Current. Dimension-35 (Dia.) X38mm(H), Weight-0.1kg, Estimated Lifetime-170@ 50,000 hours minimum.LM80 report from LED Mandature, 350 (Dia.) X38mm(H), Weight-0.1kg, Estimated Lifetime-170@ 50,000 hours minimum.LM80 report from LED Mandature for approval from concerned engineer-in charge.12.00Each16280.00191136.001592819113624.9Item No239 SLITC. of 1 MFL. Length of 48V Track for track light with connectors (L& Takape connectors) (L& Takape connectors)3000.00Each8140.0023892000.007964238920025.0Item No239 Making M-20 grade reinforced cemert concrete foundation by154.00Each4100.00617694.004011617694.00								
180mm, Weight - 1.2Kgs.       Power LED Module with high efficacy         LEDS(Cree/Osram/Nichia/Lumileds), on Printed Circuit Board with meal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over - Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is 170-50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. Minimum Light fixture Lumen output is 700Lumens. Sample Should offer various beam angles.       24.8       117.0       1191136.00       15928       191136.00         24.8       Item No238       12.00       Each       16280.00       191136.00       15928       191136         24.8       Item No238       12.00       Each       16280.00       191136.00       15928       191136         24.9       Item No239       12.00       Each       16280.00       191136.00       15928       191136         24.9       Item No239       12.00       Each       16280.00       191136.00       15928       191136         24.9       Item No239       3000.00       Each       16280.00       191136.00       15928       191136         25.0       Item No239       3000.00       Each       8140.00       23892000.00       7964       2389200         25.0       Item No239       SLT.C, of 1MR. Leng								
Power LED Module with high efficacy LEDx(Cree/Osram/Nichia/Lumileds), on Printed Circuit Board with metal core plate. Common external electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Lens made of PC which should offer various beam angles. Estimated LED Lifetime is L70- 50,000 hours minimum. LM80 report Should be submitted for concerned engineer incharge for approval of light fixture.2.00Each21960.0042972.00214864297224.8Item No238 Should be castaluminium using pressure die casting process. Top Cover in Statineles steel & screen in temperod glass (IK 08). Burying barrel in ABS.External Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current. Dimension-35 (Dia.) x38mm(H), Weight-0.1kg. Estimated Lifetime-170@ 26,000 hours minimum. LM80 report from LED Manufacturer should be submitted for approval from neuron statistic Short Circuit, Over- Voltage & Screen in temperod glass (IK 08). Burying barrel in ABS.External Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Statistical Lifetime-170@ 25,000 hours minimum. LM80 report from LED Manufacturer should be submitted for approval from from Architect/ engineer-in-charge.12.00Each16280.00191136.001592819113424.9Item No239 SLT.C. of 1MF. Length of 48V Track for track light with connectors (L&Tshape connectors)3000.00Each8140.002389200.007964238920025.0Item No230 Making M-20 grade reinforced cement concrete foundation by154.00Each4100.00617694								
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core plate. Common external       clectronic Power Supply for LED         Module,which offers Protection       against Short Circuit, Over- Voltage         & Over- Current, with in-built surge       protection. Lens made of PC which         should offer various beam angles.       Estimated LED Lifetime is L70-         50,000 hours minimum.LM80 report       from LD Manufacturer should be         submitted. Minimum Light fixture       Lumen output is 700-Lumens. Sample         Should be submitted for concerned       engineer incharge for approval of light         fixture.       fixture.         24.8       Item No238         Short Circuit, Over- Voltage & Over-Current Dimension-35 (Dia.)       12.00         Each       16280.00       191136.00         15928       191134         Manufacturer should be submitted.       Sample should be submitted.         Samm(H), Weight-0.1kg. Estimated       Lifetime-1.70 @ 50,000 hours         minimum.LM80 report from LED       Manufacturer should be submitted.         Sample should be submitted for approval from concerned engineer-in charge.       3000.00         Each       8140.00       23892000.00         7964       2389200       7964       2389200         25.0       Item No239       3000.00       Each       8140.00       2389200.00       796			2.00	Each	21960.00	42972.00	21486	42972
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S0,000 hours minimum.LM80 report from LED Manufacturer should be submitted. Munimum Light fixture Lumen output is 700Lumens. Sample Should be submitted for concerned engineer incharge for approval of light fixture.       Image: Concerned engineer incharge for approval of light fixture.         24.8       Item No238 S.I.T.C. of NGB-6-1-Ground Buried Uplight, 1-2W, LED, 3000k, IP 67Body made of Die cast aluminium using pressure die casting process. Top Cover in Stainless steel & screen in tempered glass (IK 08). Burying barrel in ABS External Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current. Dimension-35 (Dia) x38mm(H), Weight-0.1kg. Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted for approval from concerned engineer-in charge. Sample should be submitted for approval from Architect/ engineer-in-charge.       12.00       Each       16280.00       191136.00       15928       191134         24.9       Item No239 S.I.T.C. of 1 Mr. Length of 48V Track for track light with connectors (L&T Shape connectors)       3000.00       Each       8140.00       23892000.00       7964       2389200         25.0       Item No240 Making M- 20 grade reinforced cenent concret foundation by       154.00       Each       4100.00       617694.00       4011       617694.00								
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(L&Tshape connectors)       Let be an an an an an an an an an an an an an			3000.00	Each	8140.00	23892000.00	7964	23892000
25.0Item No240 Making M- 20 grade reinforced cement concrete foundation by154.00Each4100.00617694.004011617694								
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cement concrete foundation by 154.00 Each 4100.00 617694.00 4011 617694	25.0							
			154.00	E1	4100.00	617604.00	4011	(17/04
			154.00	Each	4100.00	01/694.00	4011	01/694
		considering the safe soil bearing						
capacity at site as 10 T/sq.m at 1.5 m		capacity at site as 10 T/sq.m at 1.5 m					l	

	Designing, Providing & Installation of Sculpture . The material for this sculpture is Fibre/FRP . The Height of the Sculpture should be minimum 3.5m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxesExcluding of GST .etc.						
25.7	Complete. Item No247 Designing, Providing & Installation of Sculpture of . The material for this sculpture is Metal . The Height of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.	2.00	Each	1322500.00	2587868.00	1293934	2587868
25.8	Item No248 Designing, Providing & Installation of Sculpture of The material for this sculpture is Fibre/FRP . The Length of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as	2.00	Each	977500.00	1912772.00	956386	1912772

1							
1	directed by Engineer in Charge.						
	(Variation in size off sculpture shall						
	be +- 10% in Length, Width and						
	Height shall be permitted.) Inclusive						
	all taxes Excludiing of GST .etc.						
	Complete.						
25.9	Item No249						
25.7	Designing, Providing & Installation of						
	Sculpture . The material for this						
	sculpture is Fibre/FRP. The Height of						
	the Sculpture should be minimum						
	2.1m,& Length will be around 5m						
	Size of the sculpture shall be in						
	proportionate to the height of the						
	sculpture. Thickness of FRP material						
	should be 5-10mm. Including all cost						
	of design, Making models (if any),						
	making sculpture, inspection charges,						
	Transportation, Fixing at site,						
	Construction of Foundation in RCC-						
	M20 Grade Concrete including	2.00	Each	1677500.00	3282532.00	1641266	3282532
	5						
	Reinforcement(TMT/FE 500),						
	Pedestal including all material						
	required for fixing the sculpture,						
	coating the pedestal with Coaltar						
	Epoxy Coating, all Filling material						
	upto the base of Sculpture, polishing						
	and painting of the sculpture, as						
	directed by Engineer in Charge.						
	(Variation in size off sculpture shall						
	be +-10% in Length, Width and						
	Height shall be permitted.) Inclusive						
	all taxes Excluding of GST .etc.						
	Complete						
26.0	Item No250		1	-			
20.0							
	Designing, Providing & Installation of						
	Sculpture Set The material for this						
	sculpture is Fibre/FRP . The Height of						
	the Sculpture should be minimum						
	3.6m, Size of the sculpture shall be in						
	proportionate to the height of the						
	proportionate to the height of the						
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost						
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any),						
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges,						
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site,						
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC-	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500),	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture,	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge.	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall	1.00	Each	2185000.00	2137804.00	2137804	2137804
	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of Sculpture The material for this	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Length &	1.00	Each	2185000.00	2137804.00	2137804	2137804
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26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Length & Height of the Sculpture should be minimum 3m & 2m, Size of the	1.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Length & Height of the Sculpture should be minimum 3m & 2m, Size of the sculpture shall be in proportionate to	2.00	Each	2185000.00	2137804.00	2137804	2137804
26.1	proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +- 10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. = Item No251 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP . The Length & Height of the Sculpture should be minimum 3m & 2m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness						
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	Concrete including Reinforcement (TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc.						
26.2	Item No252 Designing, Providing & Installation of Sculpture The material for this sculpture is Fibre/FRP. The Dia of the Sculpture should be minimum 3m, Size of the sculpture shall be in proportionate to the height of the sculpture. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete	3.00	Each	747500.00	2194062.00	731354	2194062
26.3	Item No253 Fee towards the MCZMA Scurity ass per the 114 MOM of MCZMA	1.00	Per Proposa 1	850000	831640.00	831640	831640
26.4	Item No254 Cost towards the Demarcation of the HTL and HFL from the Government Agencies approved by the MoEFCC	1.00	Pre Proposa 1	850000.00	831640.00	831640	831640
26.5	Item No255 Carrying Comperhensive EIA for the Project including the generation of Required Basline Survey Data for 3 Seasons and CRZ Clearnces for the Project and CRZ Clearnces of the project	1.00	Job	2000000.00	1956800.00	1956800	1956800
26.6	Item No256 Remuneration to agency for the prepartion of the Forest Diversion Proposal.	1.00	Job	2500000.00	2446000.00	2446000	2446000
26.7	Item No257 Cost towards the Payment of NPV	2.24	На	1650000.00	3616166.40	1614360	3616166.4
26.8	Item No258 Cost towards the Payment of Compensatory Afforestaion Cost including Maintaencae of 10 Years	2.24	На	950000.00	2082035.20	929480	2082035.2
26.9	Item No259 Towards conservation measure for Avifauna (Bird)	1.00	Lumsu m	750000.00	733800.00	733800	733800
27.0	Item No260 Towards Legal cost for obtaining the Clearnces from Hon High Court as per PIL No. 87 of 2006	1.00	Lumsu m	900000.00	880560.00	880560	880560
27.1	Item No261	1.00	Lumsu	100000.00	978400.00	978400	978400

	Implemenation of the Enviornment Mointoring Plan during the Project Execution		m				
27.2	Item No262 S.I.T.C. of GOBO PROJECTOR350 Watt,LED,IP 65Gobo Projector:Body made of Diecast Aluminium. Uses high power white LED chip,3.8°- 45°(electronic linear zoom),Display- On board Control, Gobo-8+6 Gobos(single colour), Gobo-flow effect, Gobo shake, Bi-directional rotation.Colours-One color wheel (13 colour+White, Rainbow flow effect),Prism-16 prism with bi- directional rotation, , Speed adjustable,Focus-Motorized linear focus.Nos.of DMX Channels-16 Light fixture should be standard DMX512 protocol compatible, the DMX decoder function should be inbuilt the light fixture,Each light fixture should be invidually addressable & should be able to operate with any standard DMX512 equipment. In-Built Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in- built surge protection.Lifetime is 50,000 hours.IP rating-IP 65 minimum.Length-480mm,Width- 410mm, Height-640mm Weight - 39Kgs.	8.00	NOS	750000	5870400.00	733800	5870400
27.3	Item No263 S.I.T.C. of DMX Controll System	1.00	Set	700000.00	684880.00	684880	684880
27.4	Item No264 S.I.T.C. of 6m height pole made in combination of mild steel pipe sections 114mm dia. & 76mm dia. with suitable fixing arrangement to mount Laser projector. The pole to be provided with a suitable size steel plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. After Fabrication, Entire Pole is hot dip galvanized(100 microns Minimum) for the effective corrosion resistance. The hot dip Galvanised pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole design. Pole & it's parts are painted in 3 layer coating (coating thickness-100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint.	8.00	NOS	111090.00	869520.00	108690	869520
27.5	Item No265 S.I.T.C. of 3 Chip DLP Laser Cinema series Projector, Brightness: 22000 Lumens or more, Resolution: Native 4K or better, along with the appropriate Lens to manage the throw distance, 3D ready, Native aspect ratio 16:10, Horizontal & vertical edge	2.00	Nos.	4628750.00	9057538.00	4528769	9057538

	blending, Motorised Zoom & Focus, Motorised Lens shift H/V, Sealed DLP™ core, Standard Orientation : 360°, DMX 512 Standard WARP Direct adjust OSD + toolset, Image processing, Embedded warp & blend, 3D Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz; optional Dual Eye Point 240Hz, Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP1.3); Quad 3G/12G SDI/BarcoLink ULTRA, supplied with DP input cards, IR, RS232, IP (RJ45 Network connection), direct Android app to control,						
27.6	Item No266 S.I.T.C. of Smart poles of 10 mtrs heights Customized enclosure for above projector with pole mounting arragement IP68 protection and security. Each enclosure allow to put minimum 1 projector, White in color, easy maintenable Make: Techvisio/ Mapan/Aura / LM3X [Urban pole / Valmount structurs	2.00	Nos.	1587000.00	3105442.00	1552721	3105442
27.7	Item No267 S.I.T.C. of Display media server with 4nos x HD outputs as required, synced together Min. 1x NVidia Quadro RTXA5000 graphic processor,	1.00	Nos.	1262990.00	1235709.00	1235709	1235709
27.8	Item No268 S.I.T.C. of Production PC i7 process RAM 32 GB 2TB SSD memory with HD outputs as required, , with 16GB graphic card ,to be supplied with 27" Monitor	1.00	Nos.	793500.00	776360.00	776360	776360
27.9	Item No269 S.I.T.C. of 3D Projection mapping software, Playback control System to manage, schedule & control the media servers, watchout software should work best in above system	1.00	Nos.	1322500.00	1293934.00	1293934	1293934
28.0	Item No270 S.I.T.C. of 20 KVA UPS with 30 minutes power backup, along with Electrical cabling and Earthing for projector	1.00	Nos.	1256375.00	1229237.00	1229237	1229237
28.1	Item No271 S.I.T.C. of Long distance transmitter for High resolution signals, Transmits HDMI, USB data, control, and analog audio up to 330' (100 m) over a shielded CAT 6A cable Supports computer and video resolutions up to 4K/60 @ 4:4:4, USB 2.0 extension, Analog stereo audio embedding, HDCP 2.3 compliant, Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats	2.00	Nos.	165315	323488.00	161744	323488
28.2	Item No272 S.I.T.C. of Long distance Receiver for High resolution signals, Receives HDMI, USB data, control, and analog audio up to 330' (100 m) over a shielded CAT 6A cable Supports computer and video resolutions up to 4K/60 @ 4:4:4, USB 2.0 extension, Analog stereo audio embedding, HDCP 2.3 compliant, Supported HDMI 2.0b specification features	2.00	Nos.	165315.00	323488.00	161744	323488

	include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D,						
28.3	and HD lossless audio formats Item No273 SITC of 4k enabled HDMI male to male cables, of 2 mtrs, Ultra-flexible HDMI cables Conforms to Premium High Speed HDMI cable performance standards 4K/60 verified	10.00	Nos.	10127.00	99080.00	9908	99080
28.4	Item No274 SITC of 30 mtr / 100ft High speed 4k HDMI cable, HDMI Premium High Speed Optical Cables - Plenum, Conforms to Premium High Speed HDMI Cable performance standards Flexible, ultra-thin 0.16" (4 mm) diameter cable Plenum, NEC CMP-rated cable No external power is needed, Highly resistant to EMI/RFI interference, Color-coded and labeled ends	1.00	Nos.	108975.00	106621.00	106621	106621
28.5	Item No275 SITC of other accessories like connectors, small patch cables of CAT6 / audio etc, sleevs, DP to HDMI or HDMI to DP, etc adapters	1.00	LS	264500.00	258787.00	258787	258787
28.6	Item No276 SITC of LED RGBW DMX conrol LED channel with aluminium extrusion channel linkable option outdoor IP66 with diffuse optic power 15 watt per meter control by independent DMX controller creating multiple lighting scene (minimum 32 scene )	180.00	meter	11500.00	2025360.00	11252	2025360
28.7	Item No277 SITC of LED screen 4 mm pitch 5500 nits IP66, size 3m x 5m floor standing mounting bracket with media server, AV conectivity, link with APP through wifi or QR code rider	1.00	nos	1725000.00	1687740.00	1687740	1687740
28.8	Item No278 SITC of MEDIA server	1.00	nos	57500.00	56258.00	56258	56258
28.9	Item No279 SITC Mobile app for QR code	1.00	nos	230000.00	225032.00	225032	225032
29.0	Item No280 SITC of Approved content and video	8.00	nos	287500	2250320.00	281290	2250320
29.1	Item No281 SITC of entry art work of height 8000mm made up of fibre body made up of glowing fibre with base of 2500 x 1000 mm	1.00	set	805000.00	787612.00	787612	787612
29.2	Item No282 SITC of RGB lights of 24 watt 16 nos DMX control with continuous transition made by aluminium extrustion with connecting cable & controller	1.00	set	230000.00	225032.00	225032	225032
29.3	Item No283 SITC of LED screen with 31.5 mm pitch with high brightness of 3500 NIT day visibility with media server controller	30.00	sq meter	86250.00	2531610.00	84387	2531610
29.4	Item No284 SITC of Programme controller and present scene controller with built in memory 256 GB and ram of 16 GB to store programme	1.00	nos	327750.00	320671.00	320671	320671
29.5	Item No285 Set of all control cable and power cable	1.00	set	115000.00	112516.00	112516	112516
29.6	Item No286	1.00	NOS	3220000.00	3150448.00	3150448	3150448

29.7	SITC OF RGB laser system projection with laser power of 42 watt (red 9w/638nm. Green 13w/525nm, blue 20w/ 455nm ). Cooling mode - lasr with TEC cooling, whote machine is with air cooling, with enclosure of IP65,power consumption 1200watt. Laser service life 10000 hoursand operating volatge 230 volt 50Hz.lighting effect- full color animation laser with high speed galvanometer scanning technology. laser projector should confirm to EU norm and CE / UL certified. (Kvant / Aura / Bajaj) Item No287 SITC of customised laser enclosure for all laser projector with IP65 protection with security mechanism (	1.00	NOS	230000.00	225032.00	225032	225032
29.8	techvisio / mapan / Aura) Item No288 SITC of pangolin software to develop various lighting show ( Pangolin / laser world / star dimension)	1.00	Set	103500.00	101264.00	101264	101264
29.9	Item No289 SITC of wiring , power cable , control cable for laser	1.00	Set	575000	562580.00	562580	562580
30.0	Item No290 Content with Script writing: includes movement, actions, expression and dialogue of the characters, drama Storyboard, Storytelling, 2D 3D animation, Graphics, Art Works, Archival Imagery, Video-timeline, SFx, VFx, Voiceovers and Music etc for the show.etc for about 15 mins.	15.00	Minutes	396750.00	5822700.00	388180	5822700
30.1	Item No291 SITC of ISO 7240-16 Certified EVAC PA controller capable of adding 12 zones in the system and expandable upto 400 zones with 14x 4 Audio matrix with full DSP functionality. 8 audio, inputs, 4 audio outputs, 4 channel output matrix. Shall support the following: single line, switching or redundant group A/B switching, amplifier redundany, 4 x 100V audio inputs, and 12 speaker line outputs. Fault, warning and event conditions log. Built in message, manager for 100 emergency/business calls up to 85 minutes. 18 control inputs and 18, control outputs. Impedance measurement and Pilot Tone supervision for speaker line, monitoring. The network controllers shall have a possibility to be integrated using an, interface module which is able to send and receive Audio to and from other, Controllers.Frequency response (ref. 1 kHz) 20 Hz to 20 kHz (-0.5 dB), Signal-to-noise ratio, (A-weighted): Line in to line out: 106 dB typical, THD+N < 0.05%, Crosstalk (line level) Line, in to line out (0 dB gain): < 100 dB at 1 kHz, Sample rate 48 kHz, DSP processing resolution, 24- bit linear A/D and D/A conversion, 48-bit processing. Graphics User Interface software, should be considered for Monitoring and control of signal.MAKE/BRAND: Bosch	1.00	NOS	287040.00	280840.00	280840	280840
30.2	Item No292	1.00	NOS	103040.00	100814.00	100814	100814

	SITC of EN54 Certified EVAC						
	Router for adding 24 zones in the						
	system and to route 4 channels into, 8						
	100V audio inputs to 24 loudspeaker						
	line outputs. 2-in-6 matrix. 20 Control						
	Inputs, 26, Control Outputs. Shall						
	support single line switching or						
	redundant group A/B switching,						
	amplifier redundancy. Impedance						
	measurement and Pilot Tone						
	supervision for speaker line						
20.6	monitoringMAKE/BRAND: Bosch						
30.6	Item No296						
	SITC of 480 W power amplifier in a						
	3U high housing with 70 V / 100 V						
	and 8 ohm outputs, Dual inputs with						
	priority switching, 100 V input for						
	slave operation on 100 V speaker						
	line, Mains, battery back-up, With						
	Following Features: 1.Output power (rms) 480 W	4.00	NOS	49680.00	194428.00	48607	194428
	2.Frequency response 60 Hz to 18	4.00	NUS	49080.00	194428.00	48007	194428
	kHz (+1 / -3 dB at -10 dB ref. rated						
	output)						
	3.Distortion <1% @ rated output						
	power, 1 kHz						
	4.S/N (flat at max volume) >90 dB						
	5.Battery power supply:24 VDC						
	MAKE/BRAND: Bosch						
30.7	Item No. 297						
50.7	Standard Consistancy, Fineness,						
	Specific Gravity, Setting Time (	10.00	1 Test	1175.00	11500.00	1150	11500
	Initial & Final ), Compressive	10.00	1 1050	11/0.00	11200.00	1100	11000
	Strength, Soundness.						
30.8	Item No. 298						
	Water Absorption, Specific	10.00	1		5720.00		
	Gravity,Impact Value, Crushing	10.00	1 Test	585	5720.00	572	5720
	Value.						
30.9	Item No. 299	10.00	1 Test	1260.00	12330.00	1322	12220
	Sieve Analysis.	10.00	1 Test	1260.00	12330.00	1233	12330
31.0	Item No. 300	10.00	1 Test	4880.00	47750.00	4775	47750
	Abrasion Value.	10.00	1 1030	+000.00	+7750.00	4//3	47730
31.1	Item No. 301	10.00	1 Test	870.00	8510.00	851	8510
	Flakiness Index & Elongation Index.	10.00	1 1050	070.00	0510.00	0.51	0510
31.2	Item No. 302						
	Stripping Value. (for Bituminous	10.00	1 Test	3465.00	33900.00	3390	33900
L	Work)						
31.3	Item No. 303	10.00	1 Test	1895.00	18540.00	1854	18540
	Soundness.	10.00	1 1050	1095.00	105 10.00	1054	10540
31.4	Item No. 304						
	GSB Mix Design./Cement Treated	1.00	1 Test	670.00	656.00	656	656
	Sub Base ( CTSB)						
31.5	Item No. 305	10.00	1 -	1	1 = 1 = 0 0 0		
	Fineness Modulus (Sieve Analysis	10.00	1 Test	1755.00	17170.00	1717	17170
21.6	),Silt & Clay Content						
31.6	Item No. 306	10.00	1 77 4	725.00	7100.00	-10	=100
	Chloride & Sulphate Content.	10.00	1 Test	735.00	7190.00	719	7190
21.7	L N 207						
31.7	Item No. 307 Silt Factor	10.00	1 Test	5380	52640.00	5264	52640
21.0	Silt Factor.						
31.8	Item No. 308 Flexural test ( Set of 6 Tiles), Water						
	Absorption ( Set of 6	10.00	1 Test	2630.00	25730.00	2573	25730
	Tiles).Resistance to wear ( Set of 6	10.00	1 Test	2030.00	23730.00	2575	25750
	Tiles).						
1							
31.0	Item No. 309	1					
31.9	Item No. 309 Flooring of Natural Stone						
31.9	Flooring of Natural Stone	10.00	1 Test	3225.00	31550.00	3155	31550
31.9	Flooring of Natural Stone (Kota,Marble, Granite,Tandur.etc.)	10.00	1 Test	3225.00	31550.00	3155	31550
	Flooring of Natural Stone (Kota,Marble, Granite,Tandur.etc.) Water absorption, Specific gravity	10.00	1 Test	3225.00	31550.00	3155	31550
31.9	Flooring of Natural Stone (Kota,Marble, Granite,Tandur.etc.) Water absorption, Specific gravity Item No. 310						
	Flooring of Natural Stone (Kota,Marble, Granite,Tandur.etc.) Water absorption, Specific gravity	10.00 4.00	1 Test 1 Test	3225.00 4080.00	31550.00	3155	31550

	Concrete Mix Design (With all Tests on basic materials)						
32.2	Item No. 312 Compressive Strength , Water Absorption,(Set of 8 Blocks)	1.00	1 Test	215.00	210.00	210	210
32.3	Item No. 313 Crushing Value/Compressive Strength, Water Absorption &	10.00	1 Test	1785.00	17460.00	1746	17460
32.4	Specific Gravity, Item No. 314 Sieve Analysis.	5.00	1 Test	4280.00	20940.00	4188	20940
32.5	Item No. 315	5.00	1 Test	2155.00	10540.00	2108	10540
32.6	Liquid limit & plastic Limit. Item No. 316	5.00	1 Test	1935	9465.00	1893	9465
32.7	Compaction Test ( Proctor Density ). Item No. 317	5.00	1 Test	17400.00	85120.00	17024	85120
32.8	Sulphate & Chloride Contents. Item No. 318						
	Penetration, Softening Point, Flash & Fire Point, Specific Gravity	2.00	1 Test	17400.00	34048.00	17024	34048
32.9	Item No. 319 Extraction Test.(Bituminous mix)	2.00	1 Test	5060.00	9902.00	4951	9902
33.0	Item No. 320 Extraction & Sieve Analysis of Bituminous mix ( for BM/DBM/AC) (2 samples of extraction for one sieve analysis including extraction)	2.00	1 Test	6685.00	13082.00	6541	13082
33.1	Item No. 321 Job Mix Design with all Tests on aggregate (Excluding bitumen) for DBM/SDBC/AC/SMA (Stone Mastic Ashphalt) (Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	12280.00	24030.00	12015	24030
33.2	Item No. 322 B. M. Mix Design with all Tests on aggregate (Excluding bitumen) ( Testing of Bitumen shall be seperately Charged)	2.00	1 Mix Design	19855.00	38852.00	19426	38852
33.3	Item No. 323 Seperation test for modified bitumen.	2.00	1 Test	7850.00	15360.00	7680	15360
33.4	Item No. 324 Density Test . (Set of 3 Blocks ),Compressive Strength. (Set of 3 Blocks ),Water Absorption Test (Set of 3 Blocks )	1.00	1 Test	7850.00	7680.00	7680	7680
33.5	Item No. 325 PH Value, Sulphate & Chloride Content.	4.00	1 Test	360	1408.00	352	1408
33.6	Item No. 326 Weight per running meter, Diameter of pipe & wall thickness of pipe,	1.00	1 Test	5300.00	5186.00	5186	5186
33.7	Item No. 327 Weight per running meter, Diameter of pipe & wall thickness of pipe	1.00	1 Test	1700.00	1663.00	1663	1663
33.8	Item No. 328 Upto 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	4.00	1 Test	4675.00	18296.00	4574	18296
33.9	Item No. 329 Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	2.00	1 Test	108600.00	212508.00	106254	212508
34.0	Item No. 330 Reflectance & yellowness index.	1.00	1 Test	80.00	78.00	78	78
34.1	Item No. 331 Retro Reflective Test.	1.00	1 Test	80.00	78.00	78	78
34.2	Item No297	81.66	Rmt	1175.00	93909.00	1150	93909

	Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb with gutter ( as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant						
34.3	Item No298 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete.	81.66	Sqm	585.00	46709.52	572	46709.52
34.4	Item No299 Providing and Laying factory made coloured chamfered edge Cement concrete grass paver blocks of required strength,thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine fine aggregate (natural sand/crushed sand VSI grade finely washed etc.), compacting and proper embedding/laying of inter locking paver blocks into the fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) bedding layer through vibratory compaction by using plate vibrator, filling the joints with fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and cutting of paver blocks as per required size and pattern, finishing and sweeping extra fine aggregate (natural sand/crushed sand VSI grade finely washed etc.) and complete as per manufacturer spsecifications & direction of Engineer-in-Charge. 60mm thick CC paver block of M-35 grade concrete with approved colour and design & pattern.	54.76	Sqm	1260	67519.08	1233	67519.08
34.5	Item No300 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.	967.63	Sqm	4880.00	4620433.25	4775	4620433.25
34.6	Item No301 Providing leather finished polishing to Granite Stone slab by continuous grinding in 4 coats of different bits to receive rough and matt finish including buffing process before laying and fixing of stone as per	967.33	Sqm	870.00	823197.83	851	823197.83

	drawing and design, including cleaning, washing and finishing etc. complete.						
34.7	Item No302 Supply & Fixing of Full Body Vitrifid Steptiles Ready to install Treads and Risers 12 mm thick, required width and required finish in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning etc complete.	10.32	Sqm	3465.00	34984.80	3390	34984.8
34.8	Item No303 Providing and laying in place 300mm x 300mm x 16mm cement tactile directional and warning tiles (for a person with visual impairment)of the approved brand and make and specified colour for outdoor floors such as footpath, courtyard, multimodals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes and patterns including grouting the joints with white cement with matching pigments etc. complete as per direction of engineer in charge	34.07	Sqm	1895.00	63165.78	1854	63165.78
34.9	Item No304 Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In- charge. Using Concrete Batching and Mixing Plant	702.33	Rmt	670.00	460728.48	656	460728.48
35.0	Item No305 Providing 25 mm to 30 mm thick flooring of polished black kadappa stone slab of approved quality including giving required size and shape etc. Fixing in cement mortar 1:3 curing and cement etc. complete. a) One side polish	189.36	Sqm	1755.00	325131.12	1717	325131.12
35.1	Item No306 Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	767.53	Sqm	735.00	551854.07	719	551854.07
35.2	Item No307 CAST IN SITU SAFETY RUBBER FLOORING SYSTEM WITH including 20mm thick SBR Black Rubber Granuleand 5MM colour EPDM granule absolute thickness =25mm .(as per drawing attached) etc. including VAT, tax complete. Manufacturers warranty is 5 years.	16.88	Sqm	5380.00	88856.32	5264	88856.32
35.3	Item No308 Accupressure Bed - Providing and fixing Natural Stone pebbles in 1:6 Cement mortar of natural sand of 50mm thick bed as required line, level,	6.08	Sqm	2630	15643.84	2573	15643.84

35.9	Item No314	270.08	Sqm	4280.00	1131095.04	4188	1131095.04
35.8	Item No313 WOODEN FINISH PAINTING OF EXISTING WOODEN FINISH TEXTURED SURFACE CEMENT CONCRETE BENCH including any material, machinery, scaffolding etc. complete. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including cement, Sand, chemical, adhesive, chikenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge.	1653.80	Sqm	1785.00	2887534.80	1746	2887534.8
35.7	Item No312 Providing vee pointing with cement mortar 1:3 for stone /Brick masonry including scaffolding and curing etc. complete	79.02	Sqm	215.00	16594.20	210	16594.2
35.6	Item No311 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	216.23	Sqm	810.00	171470.39	793	171470.39
35.5	Item No310 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete.	12.83	Sqm	4080.00	51217.36	3992	51217.36
35.4	cutting, all material and labour with wastage etc. complete all Item No309 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 16 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete. with prior approval of concerned Superitending Engineer.	1139.60	Sqm	3220.00	3589740.00	3150	3589740
	shape and size as instructed by Engineer incharge. Item including color pigments, lead lift, curing,						

	Providing and Fixing mat finish						
	stainless steel (of 302 grade ) railing with top pipe of 50 mm dia. and						
	vertical pipe of 38 mm dia at 0.60 m						
	c/c or as required and horizontal pipes						
	of 25 mm dia in three rows, all pipes						
	of 2 mm thick including						
	buffing, fabricating fixtures and						
	fastening including pipe base of appropriate diameter and ball base of						
	75 mm dia above newel post of 75						
	mm diameter etc. complete (Prior						
	approval of sample and brand by						
26.0	Ex.Engineer is necessary before use)						
36.0	Item No315 Stamp Concrete of 100mm Thickness						
	- Providing and Laying in-situ M30						
	Grade unreinforced plain cement						
	stamp concrete of 100mm thickness						
	pavement over a prepared sub base						
	with 43 grade cement, coarse and fine						
	aggregate (natural sand / VSI grade finely washed crushed sand)						
	Confirming to IS 383, as per mixed in						
	a batching and mixing plant / non						
	tilting mixer and weigh batcher as per						
	approved mix design, admixtures,						
	transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road						
	from Avasti nagar to wadi), spreading,						
	laying with approved make pover,						
	compacted and finished in a continous						
	operation, finishing to lines and						
	grades Also Providing, Placing and applying stamp powder which is light						
	fast UV resistant pigment with				0.700.00	•100	0-00 (0 10
	appropriate chemical compounds of	461.56	Sqm	2155.00	972968.48	2108	972968.48
	desired colour on base concrete after						
	excess bleed water has evaporated						
	using dry shake method @5kg per sqm. Including texturing, and						
	covering with plastic sheet (min 200						
	micron thickness) and also applying						
	two coats of UV-stable,30 % solids						
	clear sealer @ 150 to 250 gms per						
	sqm using surface roller and protecting from falling dust,dirt and						
	curring by curring compound / by						
	providing cement vata in cement						
	Mortor 1 :8 @ 0.6m x 0.6m center to						
	center, admeasuring 80mm at bottom						
	and 40mm at top with depth of 75mm and maintaining the same throughout						
	curing period by any other method						
	approved by Engineer-incharge or						
	Landscape architect etc. complete.						
	(prior approval of superinteding						
36.1	Engineer will be necessary ) Item No316						
50.1	Providing and laying polished hand						
	cut Kotah Stone flooring 25mm to						
	30mm thick and 45cm to 55cm wide						
	in plain/diamond pattern on a bed of	578.17	Sqm	1935.00	1094475.81	1893	1094475.81
	1:6 C.M. including cement float, filling joints with neat cement slurry,		1				
	curing, polishing and cleaning						
	complete.						
	-						
36.2	Item No317						
	Design Conceptualisation & painting	15400.00	<b>C</b>	000	1477(070.00	050	1477(252
	3D artwork on any surface at all height and locations as directed.	15408.00	Sqm	980	14776272.00	959	14776272
	neight and locations as directed .						
36.3	Item No318	11.13	Cum	17400.00	189477.12	17024	189477.12

	Item No323	48.59	Sqm	7800.00	370838.88	7632	370838.88
36.7	Item No322 Ss Dust Bin (Refer sketch 10) Product area:0.76Sqm, Capacity in Itrs: 42.0 Itrs, Product height:0.92m	12.00	No	19855.00	233112.00	19426	233112
36.6	Item No321 Providing & fixing BENCH IN CEMENT MORTOR/CONCRETE WITH WOODEN FINISHING ON ALL EXTERNAL SURFACE. Bench should have min. 2.1m to max. length 2.4m with 0.45m wide seat & 0.40m high back for resting. beach should have 2 to 3 supports/Legs as per requirement from ground in 1:1.5:3 ratio Concrete with 4 bar 12mm as a main & distribution 8mm Tor steel at 150mm c/c. Rate includes proper cleaning of surface by sand paper application of 1 coat of Apex exterior grade primer above that 2 coat of exterior grade Apex Paint as a base coat & 1 coat of Apex Paint for making wooden finish/grains & with 2 final coat of Apex clear polish including Cement, Sand, Aggregate, chemical, adhesive, chickenmesh, primer, paint, polish, paper, etc. all material, labor, scaffolding, excavation, pcc, tor steel etc. all complete. Work done should be as per a approved sample & the instructions of engineer incharge.	8.10	Rmt	12285.00	97362.00	12020	97362
36.5	Item No320 Providing&fixing in position 20 +/- 2mm thick machine cut, mirrorpolished, 1st quality granite cladding such as black galaxy or approved equivalent in lift lobby / passage installed in approved pattern and design of size 600 x 1200mm and as directed includingbackingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.)	60.25	Sqm	6685.00	394095.25	6541	394095.25
36.4	<ul> <li>with type / concrete mixer with SCADA including reinforcement as per drawings and technical specifications etc. complete with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc )</li> <li>Item No319</li> <li>Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown /RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4</li> <li>Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. Skirting Spec.No. : Bd. M.22 B/Page No. 390</li> </ul>	6.29	Sqm	5060.00	31141.79	4951	31141.79
	Providing and laying cement concrete wearing coat M30 grade with batch						

							1
1	Providing and applying two coats of						
	exterior weather shield paint of						
	approved manufacture and of						
	approved colour to the plastered						
	surfaces including leaning, preparing						
	the plaster surface, applying primer						
	coat ,scaffolding if necessary, and						
	watering the surface for two days etc						
	complete. NOTE:ForItem Number 15						
	to 18 prior approval of Superintending						
	Engineer will be necessary						
37.1	Item No326						
	Providing and laying telephone black /						
	Amba White / Cadburybrown / RBI						
	red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/						
	window boxing etc. On C.M. 1:6	0.56	Sqm	5300	2904.16	5186	2904.16
	including filling joints with polymer						
	base filler nosing the sharp edges						
	wherever necessary, curing, etc.						
	complete. Specifications: Bd. M. 12						
	Spec. No.: As directed by Engineer-						
	In- Charge						
	Item No327						
	Providing and laying ceramic tiles						
	having size 30 cm. x 60 cm.						
	confirming to corresponding I.S. for						
	dado and skirting in required position	24.62	Sqm	1700.00	40943.06	1663	40943.06
	with readymade adhesive mortar of	27.02	Squi	1,00.00	10775.00	1005	10,00
	approved quality on plaster of 1:2						
	cement mortar including joint filling						
	with white/ colour cement slurry						
	cleaning curing etc. complete.						
37.3	Item No328						
	Providing, aupplying, fabricating and						
	fixing panel of aluminium composite						
	panel cladding in approved shape						
	made out of 4 mm thick ACP sheet						
	material consisting of 3mm thick FR						
	grade mineral core following NBC						
	part IV Fire and life safety (having 2						
	hours fire resistance in accordance to						
	ASTM E119-12 and BS476 part 6 and						
	7 class O) sandwitched between two						
	aluminium sheets (each 0.5 mm thick						
	of AA 5005/AA3105 grade) The						
		61.61	Sqm	4675.00	281804.14	4574	281804.14
	aluminium composite panel cladding sheet shall be coil coated with kynar	01.01	Sqiii	4075.00	201004.14	43/4	201004.14
	500 based PVDF/Lumiflon based						
	fluropolymer resin (having 70:30 ratio						
	of PVDF and acrylic) coating of						
	approved colour and sg=hade on top						
	face and polymer (service) coating of						
	bottom face as specified using						
	stainless steel						
	screws,nuts,bolts,washers,cleats,weath						
	er silicon sealent,backer rods etc						
	.overall weight of the ACP shall not						
	be less than 7.5 Kilogram/ One Square						
	Metre)						
37.4	Item No 329	60.00	Monthl	108595.00	6374940.00	106249	6374040
	Civil Operation Cost -	00.00	У	100373.00	03/4940.00	100249	6374940
37.5	Item No 330		Per				
	Garden Maintenace (Including Cost of	7717.20	Sqm/M	80.00	601941.60	78	601941.6
	Water) - 2nd Year	,,1,.20	onth	00.00	001741.00	/0	00171.0
37.6	Item No 331		Per				
	Garden Maintenace (Including Cost of	9260.64	Sqm/M	80.00	722329.92	78	722329.92
	Water) - 3rd Year		onth				
37.7	Item No 332		Per				
	Garden Maintenace (Including Cost of	11575.80	Sqm/Mo	80.00	902912.40	78	902912.4
1	Sarash municipace (monuting COSt OF	115/5.00	5qm/100	00.00	202212.40	10	704714.4
	. –		nth				
37.8	Water) - 4th Year Item No 333	13119.24	nth Per	80.00	1023300.72	78	1023300.72

						HEI	
	Garden Maintenace (Including Cost of Water) - 5th Year		Sqm: Mo nth			(E)	Mat (10)
37,9	Item No 334 Fleetheal and Public Art Lighting - Comprehensive Mainterance for 2nd Year	1.00	Veady	2828150.00	2767062.00	276 7062	2767062
38,0	Item No 338 Electrical and Public Art Lighting - Comprehensive Maintenance for 3rd Year	1.60	Yearly	1525030	4427289.00	4127289	4427289
18.1	Item No 356 Electrical and Public Art Lighting - Comprehensive Maintenance for 4th Vear	1 60	Yeardy	6221915.00	6099863.94	6099863.94	6099863,94
38.2	Item No 337 Electrical and Public Art Lighting - Comprehensive Maintenance for 5th Year	1.00	Yearty	7918800.00	7747751.00	7747754	7747754
18.3	Item No 338 Electical Work - Operation Amount	60.00	Monthly	18400,00	1080130.00	18365	1080150
	Totai Amount				1246756853		Sz19232 mb. Finas Negoliare Amount

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबचित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर) नगरसचिव मिरा भाईंबर महानगरपालिका वळकर)

490/ 49 6912

(संजय आहकर, आभर्म) जन्मालक मदा आन्द्रभा मिरा आहेतर महानम्बनमेवन

पत जाधकाम विआगासडे सोन्च त्या कार्यवाहीसाठी खाजा