

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ०६/०३/२०२५

// गोषवारा //

प्रकरण क्र. (४४७) :- मिरारोड (पुर्व) शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन, देखभाल दुरुस्तीकरीता संस्थेस शिया समाजासाठी राखीव असलेल्या दफनभुमीचे दैनंदिन संचलन, दफनभुमीची देखभाल व अंतिम कार्याची सर्व व्यवस्था करुन देणे, इ. कामासाठी सदर समाजातील इच्छुक संस्था नेमणे.

उपरोक्त प्रस्तावानुसार निविदा सुचनेनुसार सामाजिक संस्थानचे अर्ज प्राप्त झालेले आहेत. त्यानुसार त्यांनी मागणी केलेल्या दफनभुमीचा तपशिल खालीलप्रमाणे आहे.

मिरारोड (पुर्व) शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन, देखभाल दुरुस्ती कामी मागणी केलेली आहे.

वरील कामी फेर निविदा नंतर मे. युनिटी सोशल अँड वेलफेअर असोसिएशन ही एकमेवा संस्था पात्र ठरत आहे. सदर दफनभुमीचे दैनंदिन संचलन, देखभाल मे. युनिटी सोशल अँड वेलफेअर असोसिएशन या संस्थेमार्फत यापुर्वी देखिल व्यवस्थितरीत्या व समाधानकारकरीत्या केली असून कोणतीही तक्रार नाही. सदर ठिकाणी महानगरपालिकेस दफनविधीचा खर्च करावा लागत नाही.

तरी मे. युनिटी सोशल अँड वेलफेअर असोसिएशन या संस्थेस शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन व देखभाल करणे कामी सदर ०३ वर्ष मुदतीसाठी नेमण्यास मान्यता देण्यास शिफारस आहे.



(दिपक खांबित)

शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक ०६ | ०३ | २०२५

प्रकरण क्र. (४४७) :- मिरारोड (पुर्व) शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन, देखभाल दुरुस्तीकरीता संस्थेस शिया समाजासाठी राखीव असलेल्या दफनभुमीचे दैनंदिन संचलन, दफनभुमीची देखभाल व अंतिम कार्याची सर्व व्यवस्था करुन देणे, इ. कामासाठी सदर समाजातील इच्छुक संस्था नेमणे.

ठराव क्र. (४४७)


उपरोक्त प्रस्तावानुसार निविदा सुचनेनुसार सामाजिक संस्थानचे अर्ज प्राप्त झालेले आहेत. त्यानुसार त्यांनी मागणी केलेल्या दफनभूमीचा तपशिल खालीलप्रमाणे आहे.

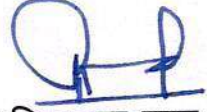
मिरारोड (पुर्व) शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन, देखभाल दुरुस्ती कामी मागणी केलेली आहे.

वरील कामी फेर निविदा नंतर मे. युनिटी सोशल अँड वेलफेअर असोसिएशन ही एकमेवा संस्था पात्र ठरत आहे. सदर दफनभुमीचे दैनंदिन संचलन, देखभाल मे. युनिटी सोशल अँड वेलफेअर असोसिएशन या संस्थेमार्फत यापुर्वी देखिल व्यवस्थितरीत्या व समाधानकारकरीत्या केली असून कोणतीही तक्रार नाही. सदर ठिकाणी महानगरपालिकेस दफनविधीचा खर्च करावा लागत नाही.

तरी मे. युनिटी सोशल अँड वेलफेअर असोसिएशन या संस्थेस शिया समाजाची असलेली दफनभुमी दैनंदिन संचलन व देखभाल करणे कामी सदर ०३ वर्ष मुदतीसाठी नेमण्यास प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(अनिलकुमार पवार, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना **साक्षात्कृत प्रत**

PC-8/24-25/DK/PT-91

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

परिवहन उपक्रम

// गोषवारा //

दि. 08/03/2025

प्रकरण क्र. ४४८:- दि.08/03/2025 रोजी "जागतिक महिला दिन" निमित्त सर्व महिलांना मिरा भाईंदर परिवहन उपक्रमाच्या बसगाड्यांमधून मोफत प्रवास करण्याची परवानगी देणेबाबत.

मिरा भाईंदर महानगरपालिका परिवहन उपक्रमाच्या उपलब्ध 74 डिझेल व नविन ई-बस चालविणेकरीता Gross Cost Contract (GCC) तत्वावर दोन स्वतंत्र बस ऑपरेटर नियुक्त केले आहेत. तसेच तिकीट संकलनासाठी तिकीट संकलन एजन्सी नियुक्त केलेली आहे.

जागतिक महिला दिनानिमित्त 8 मार्च रोजी सन 2021 पासून महिलांना मोफत प्रवासाची सुविधा उपलब्ध करून देण्यात येत आहे. मागील चार वर्षांमध्ये जागतिक महिला दिनानिमित्त 8 मार्च रोजी खालीलप्रमाणे महिलांनी मोफत प्रवासाचा लाभ घेतलेला आहे.

अ.क्र.	दिनांक	जागतिक महिला दिन मोफत प्रवास केलेल्या महिला प्रवाशी संख्या	सवलतीची रक्कम
1	8 मार्च 2021	11552	1,43,595/-
2	8 मार्च 2022	21461	2,73,876/-
3	8 मार्च 2023	25838	3,09,618/-
4	8 मार्च 2024	22131	2,57,790/-

तरी, प्रतिवर्षीप्रमाणे दि.08/03/2025 रोजी सर्व महिलांना महानगरपालिकेच्या परिवहन उपक्रमाच्या बसेस मधून मोफत प्रवास करण्याची परवानगी देणेस आर्थिक व प्रशासकीय मंजूरी मिळणेस शिफारस आहे.

(मा. आयुक्त यांच्या मान्यतेने)

(सचिन बाभर)

अति.आयुक्त तथा

परिवहन व्यवस्थापक

मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका
परिवहन उपक्रम
प्रशासकीय ठराव दि. ०६/०३/२०२५

प्रकरण क्र. ४४८ :- दि.०८/०३/२०२५ रोजी "जागतिक महिला दिन" निमित्त सर्व महिलांना मिरा भाईंदर परिवहन उपक्रमाच्या बसगाड्यांमधून मोफत प्रवास करण्याची परवानगी देणेबाबत.

ठराव ४४८ :-

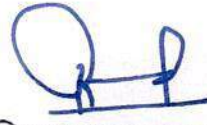
मिरा भाईंदर महानगरपालिका परिवहन उपक्रमाच्या उपलब्ध ७४ डिझेल व नविन ई-बस चालविणेकरीता Gross Cost Contract (GCC) तत्वावर दोन स्वतंत्र बस ऑपरेटर नियुक्त केले आहेत. तसेच तिकीट संकलनासाठी तिकीट संकलन एजन्सी नियुक्त केलेली आहे.

जागतिक महिला दिनानिमित्त ८ मार्च रोजी सन २०२१ पासून महिलांना मोफत प्रवासाची सुविधा उपलब्ध करून देण्यात येत आहे. मागील चार वर्षांमध्ये जागतिक महिला दिनानिमित्त ८ मार्च रोजी खालीलप्रमाणे महिलांनी मोफत प्रवासाचा लाभ घेतलेला आहे.

अ.क्र.	दिनांक	जागतिक महिला दिन मोफत प्रवास केलेल्या महिला प्रवाशी संख्या	सवलतीची रक्कम
१	८ मार्च २०२१	११५५२	१,४३,५९५/-
२	८ मार्च २०२२	२१४६१	२,७३,८७६/-
३	८ मार्च २०२३	२५८३८	३,०९,६१८/-
४	८ मार्च २०२४	२२१३१	२,५७,७९०/-

तरी, प्रतिवर्षीप्रमाणे दि.०८/०३/२०२५ रोजी सर्व महिलांना महानगरपालिकेच्या परिवहन उपक्रमाच्या बसेस मधून मोफत प्रवास करण्याची परवानगी देणेस आर्थिक व प्रशासकीय मंजूरी देण्यात येत आहे.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(अनिलकुमार पवार, भा.प्र.से.)
आयुक्त तथा प्रशासक
मिरा भाईंदर महानगरपालिका

मिरा-भाईदर महानगरपालिका

// घनकचरा प्रक्रिया प्रकल्प विभाग //

// गोषवारा // दि. ०६/०३/२०२५

प्रकरण क्रमांक (४४९) :- "स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणे या कामास आर्थिक व प्रशासकीय मान्यता देण्याबाबत...

मिरा भाईदर महानगरपालिका क्षेत्रातील उत्तन येथील घनकचरा प्रकल्प ठिकाणी जुन्या असलेल्या कचऱ्यावर प्रक्रिया करण्यासाठी (Bioremediation of Legacy Waste) करण्यात येणार आहे. सदर कामी शासन निर्णय क्र.स्वमअ/२०२२/प्र.क्र.१३/नवि-३४ दि.१०/०८/२०२२ अन्वये शहरांमध्ये जुन्या जमा असलेल्या कचऱ्याचे बायोमायनिंग (Bio-Mining) करणे कामी ९०९३६०.२० MT साठी रु.४४७/- प्रति टन दर मंजूर झालेला आहे. सदर कामी शासनाने रु.४०.६६ कोटी निधी उपलब्ध करून दिलेला आहे.

महाराष्ट्र जीवन प्राधिकरण ठाणे यांना मे. कार्यकारी अभियंता, महाराष्ट्र जीवन प्राधिकरण ठाणे यांच्या नावे स्टेट बँक ऑफ इंडिया नऊपाडा ठाणे, खाते क्रं-३२३२९११२४२३ मध्ये दि.२७/०२/२०२३ रोजी १% तांत्रिक तपासणी शुल्क रु.४०,६६,०४७/- अदा करण्यात आले होते. तरी सदर कामाच्या सुधारीत अंदाजपत्रकास रु.६६,४२,७४,७३७/- सन २०२३-२४ च्या जिल्हा दरसूचीनुसार तयार करण्यात आलेले होते व तांत्रिक मान्यतेसाठी जा.क्र.मिभा/मनपा/घप्रवि/२७१/२०२४-२५ दि.२५/०२/२०२५ रोजीचे पत्र अन्वये मा. मुख्य अभियंता, मे. महाराष्ट्र जीवन प्राधिकरण यांचेकडे प्रस्ताव सादर करण्यात आलेला आहे. दि.२५/०२/२०२५ रोजीच्या पत्राच्या अनुषंगाने महाराष्ट्र जीवन प्राधिकरण क्र.म.जी.प्रा./मु.अ/ठाणे/तांशा-०१/५०५ दि.२८/०२/२०२५ अन्वये अंदाजपत्रकाच्या तांत्रिक तपासणी पोटी महाराष्ट्र जीवन प्राधिकरणच्या प्रचलित परिपत्रकावर १% उर्वरीत तांत्रिक तपासणी शुल्क म्हणजे रु.२५,७६,७००/- चा भरणा करण्यासाठी कळविण्यात आलेले आहे.

"स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक मान्यता मिळणेकामी रु.६६,४२,७४,७३७/- या अंदाजपत्रकाच्या रक्कमेच्या १% तपासणी शुल्क म्हणजे रु.६६,४२,७४७/- होत असून दि.२७/०२/२०२३ रोजी तांत्रिक तपासणी शुल्क रु.४०,६६,०४७/- अदा करण्यात आले होते, उर्वरीत तांत्रिक तपासणी शुल्क म्हणजे रु.२५,७६,७००/- महाराष्ट्र जीवन प्राधिकरण ठाणे यांना अदा करावी लागणार आहे. त्यानुसार सदर कामी होणारा खर्च सन २०२४-२५ या आर्थिक वर्षाच्या "बायोमायनिंग" या लेखाशीर्षातून करण्यात येणार आहे.

तरी "स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणे या कामी होणारा खर्च रु.२५,७६,०००/- अदा करण्यास महाराष्ट्र महानगरपालिका अधिनियम अनुसूची "ड" मधील प्रकरण पाच (दोन) (दोन) अन्वये मान्यतेसाठी प्रशासकीय ठरावाद्वारे मान्यता मिळण्यास व सदर कामी होणाऱ्या खर्चास आर्थिक व प्रशासकीय मान्यता मिळणेस शिफारस आहे.

(डॉ. सचिन बांगर)
उप-अयुक्त (घप्रवि)
मिरा-भाईदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा भाईंदर महानगरपालिका

// घनकचरा प्रक्रिया प्रकल्प विभाग //

प्रशासकिय ठराव दिनांक ०६/०३ /२०२५ रोजी

वाजता

विषय क्रमांक - (४४९) मा. आयुक्त महोदयाकडील कामकाज
“स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)” या अभियानांतर्गत
घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste)
या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणे या
कामास आर्थिक व प्रशासकीय मान्यता देण्याबाबत...

कार्यालयीन प्रस्तावना

मिरा भाईंदर महानगरपालिका क्षेत्रातील उत्तम येथील घनकचरा प्रकल्प ठिकाणी जुन्या असलेल्या कचऱ्यावर प्रक्रिया करण्यासाठी (Bioremediation of Legacy Waste) करण्यात येणार आहे. सदर कामी शासन निर्णय क्र.स्वमअ/२०२२/प्र.क्र.९३/नवि-३४ दि.१०/०८/२०२२ अन्वये शहरांमध्ये जुन्या जमा असलेल्या कचऱ्याचे बायोमायनिंग (Bio-Mining) करणे कामी ९०९३६०.२० MT साठी रु.४४७/- प्रति टन दर मंजूर झालेला आहे. सदर कामी शासनाने रु.४०.६६ कोटी निधी उपलब्ध करून दिलेला आहे.

महाराष्ट्र जीवन प्राधिकरण ठाणे यांना मे. कार्यकारी अभियंता, महाराष्ट्र जीवन प्राधिकरण ठाणे यांच्या नावे स्टेट बँक ऑफ इंडिया नऊपाडा ठाणे, खाते क्रं-३२३२९११२४२३ मध्ये दि.२७/०२/२०२३ रोजी १% तांत्रिक तपासणी शुल्क रु.४०,६६,०४७/- अदा करण्यात आले होते. तरी सदर कामाच्या सुधारीत अंदाजपत्रकास रु.६६,४२,७४,७३७/- सन २०२३-२४ च्या जिल्हा दरसूचीनुसार तयार करण्यात आलेले होते व तांत्रिक मान्यतेसाठी जा.क्र.मिभा/मनपा/घप्रवि/२७१/२०२४-२५ दि.२५/०२/२०२५ रोजीचे पत्र अन्वये मा. मुख्य अभियंता, मे. महाराष्ट्र जीवन प्राधिकरण यांचेकडे प्रस्ताव सादर करण्यात आलेला आहे. दि.२५/०२/२०२५ रोजीच्या पत्राच्या अनुषंगाने महाराष्ट्र जीवन प्राधिकरण क्र.म.जी.प्रा./मु.अ/ठाणे/तांशा-०१/५०५ दि.२८/०२/२०२५ अन्वये अंदाजपत्रकाच्या तांत्रिक तपासणी पोटी महाराष्ट्र जीवन प्राधिकरणच्या प्रचलित परिपत्रकावर १% उर्वरीत तांत्रिक तपासणी शुल्क म्हणजे रु.२५,७६,७००/- चा भरणा करण्यासाठी कळविण्यात आलेले आहे.

“स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)” या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक मान्यता मिळणेकामी रु.६६,४२,७४,७३७/- या अंदाजपत्रकाच्या रक्कमेच्या १% तपासणी शुल्क म्हणजे रु.६६,४२,७४७/- होत असून दि.२७/०२/२०२३ रोजी तांत्रिक तपासणी शुल्क रु.४०,६६,०४७/- अदा

करण्यात आले होते, उर्वरीत तांत्रिक तपासणी शुल्क म्हणजे रु.२५,७६,७००/- महाराष्ट्र जीवन प्राधिकरण ठाणे यांना अदा करावी लागणार आहे. त्यानुसार सदर कामी होणारा खर्च सन २०२४-२५ या आर्थिक वर्षाच्या "बायोमायनिंग" या लेखाशीर्षातून करण्यात येणार आहे.

तरी "स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणे या कामी होणारा खर्च रु.२५,७६,०००/- अदा करण्यास महाराष्ट्र महानगरपालिका अधिनियम अनुसूची "ड" मधील प्रकरण पाच (दोन) (दोन) अन्वये मान्यतेसाठी प्रशासकीय ठरावाद्वारे मान्यता मिळण्यास व सदर कामी होणाऱ्या खर्चास आर्थिक व प्रशासकिय मिळण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

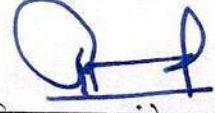
प्रशासकीय ठराव क्र. ४४९ दिनांक ०६/०३/२०२५

"स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणे या कामाच्या प्रस्तावाचे अवलोकन करण्यात आले.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी वे विशेषतः कलम ४५२(अ) च्या (१अ) व (१ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ २०२०/प्र.क्र.७१ (भाग-२)/नवि-१४ दिनांक २६ ऑगस्ट २०२२ अन्वये प्राप्त अधिकारानुसार मी, अनिलकुमार खंडेराव पवार (भा.प्र.से.), प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केलेल्या विषयास अनुसरुन "स्वच्छ महाराष्ट्र नागरी अभियान (नागरी २.०)" या अभियानांतर्गत घनकचरा व्यवस्थापनांतर्गत (Bioremediation of Legacy Waste) या कामास सुधारीत तांत्रिक मान्यता/उर्वरीत तांत्रिक शुल्क अदा करणेकामी मा. कार्यकारी अभियंता, महाराष्ट्र जीवन प्राधिकरण विभाग, ठाणे यांना रु.२५,७६,०००/- अदा करण्यास मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवंककर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


अनिलकुमार खंडेराव पवार (भा.प्र.से.)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रतः घनकचरा प्रक्रिया प्रकल्प विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना.

मिरा भाईंदर महानगरपालिका

बांधकाम / विद्युत विभाग

// गोषवारा // दि. ०६/०३/२०२५

प्रकरण क्रमांक (४५०) :- मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राजी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणेकामी सुधारीत अंदाजित खर्चास मान्यता देणेबाबत.

मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राजी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणे कामांची खालील प्रमाणे अंदाजपत्रक तयार करण्यात आलेले आहेत. तदनंतर सदर कामाकरीता प्रचलित पध्दतीनुसार निविदा प्रकिया सुरु करण्यात आलेली होती. तथापी सदर नाटयगृहामध्ये दैनंदिन कार्यक्रम होत असल्याने सदरचे मनुष्यबळ पुरवठा करणे आवश्यक असल्याने सदरकामी मुदतवाढ देऊन संबंधित ठेकेदाराकडून मंजुर दरानुसार काम करून घेण्यात आलेले आहे त्याअनुषंगाने सदरचे काम अत्यावश्यक असल्याने येणाऱ्या वाढीव खर्चास मान्यता देणे योग्य राहिल.

अ.क्र.	कामाचे नाव	अंदाजित खर्च
1.	मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राजी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणे.	
	मुळ अंदाजित खर्च	रु.9,95,000/-
	सुधारीत अंदाजित खर्च	रु.49,50,000/-

सदर ठिकाणी मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राजी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणेकामी सुधारीत अंदाजित खर्चास मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)

शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

// बांधकाम / विद्युत विभाग //

प्रशासकीय ठराव क्र.४५० दिनांक : ६/०३/२०२५

प्रकरण क्र. (४५०) :- मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राज्ञी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणेकामी सुधारीत अंदाजित खर्चास मान्यता देणेबाबत.

मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राज्ञी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणे कामांची खालील प्रमाणे अंदाजपत्रक तयार करण्यात आलेले आहेत. तदनंतर सदर कामाकरीता प्रचलित पध्दतीनुसार निविदा प्रकिया सुरु करण्यात आलेली होती. तथापी सदर नाटयगृहामध्ये दैनंदिन कार्यक्रम होत असल्याने सदरचे मनुष्यबळ पुरवठा करणे आवश्यक असल्याने सदरकामी मुदतवाढ देऊन संबंधित ठेकेदाराकडून मंजुर दरानुसार काम करून घेण्यात आलेले आहे त्याअनुषंगाने सदरचे काम अत्यावश्यक असल्याने येणाऱ्या वाढीव खर्चास मान्यता देणे योग्य राहिल.

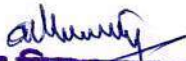
अ.क्र.	कामाचे नाव	अंदाजित खर्च
1)	मिरा-भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राज्ञी स्व. लता मंगेशकर नाटयगृह येथे विविध कामांतर्गत दैनंदिन संचलन करणेकरिता तंत्रज्ञ पुरवठा करणे.	
	मुळ अंदाजित खर्च	रु.9,95,000/-
	सुधारीत अंदाजित खर्च	रु.49,50,000/-


नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-२०२०/ प्र.क्र.७१(भाग-२१)/नवि-१४ दि.२६ ऑगस्ट २०२२अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतूद व विशेषतः कलम ४५२ अ चा (१३) व (१६) मधील तरतूदीनुसार मा.आयुक्त श्री अनिलकुमार पवार यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. वरील प्रमाणे मिरा भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राज्ञी स्व. लता मंगेशकर नाटयगृह येथे विविध कामे करणेकामी सुधारीत खर्चास प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

प्रशासकीय ठराव क्र.४५० दिनांक ६/०३/२०२५

वरील प्रस्तावाचे अवलोकन करण्यात आले. महाराष्ट्र महानगरपालिका अधिनियम तरतूदी व विशेषतः कलम ४५२ (अ) च्या (१३) व (१६) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ २०२०/प्र.क्र.७१ (भाग-२)/नवि-१४ दिनांक २६ ऑगस्ट २०२२ अन्वये प्राप्त अधिकारानुसार मी, अनिलकुमार पवार, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करून प्रशासनाने सादर केल्यानुसार प्रस्तावनेत नमुद मिरा भाईंदर महानगरपालिका क्षेत्रात मौजे महाजनवाडी येथे भारतरत्न ग्यानसम्राज्ञी स्व. लता मंगेशकर नाटयगृह येथे विविध कामे करणेकामी रु.४९,५०,०००/- सुधारीत खर्चास प्रशासकीय व आर्थिक मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिखळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(अनिलकुमार पवार, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम / विद्युत विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ०६/०३/२०२५

// गोषवारा //

प्रकरण क्र. (४५९) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129160_1	मिरा भाईंदर महानगरपालिका हद्दीतील स्व. प्रमोद महाजन कलादालनाचे उर्वरित काम करणे. (मुलभुत सोई सुविधांचा विकास)	रु.20,03,68,741/-	मे. गजानन कंस्ट्रक्शन मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.

Item Description	Qty	Unit	Gajanan Construction				Bitcon India Infrastructure Developers Pvt Ltd	
			Rate	Amount	Final Rate	Final Amount	Rate	Amount
ITEM NO 01 Providing and Fixing toilet set for differently Abled persons consist of Floor Mounted white vitreous china water Closet including 6 litre capacity white vitreous china flushing Cistern with raised soft - push button, white vitreous china wash basin of size 46 x 36 cm and one no SS 304 hinged rail 76 cms & three no.SS 304 of (Grab Bar) 60 cm sall including cutting and making good the walls and floors wherever required, seat cover, cistern & wash basin fittings, nuts, bolts and gasketetc complete as per the direction of Engineer-In-charge. SSR NO 51.63 Spec. As directed by Engineer-In-Charge.	2	NOS	76200	152400	74319	148638	77923	155846
ITEM NO 02 (Staircase wall tile) Providing and laying Vitrified MATT finish having decorative type of size 1000 millimeter x 1000 millimeter of 8 to 10 millimeter thickness (on a existing flooring) with bonding chemical and confirming to IS15622-2006 (Group Bla) of approved make shade and pattern for flooring in required position laid on a bed of bonding chemical filling joints curing and cleaning etc. complete Spec. As directed by Engineer-In-Charge. SSR 33 61	468.216	SMT	2450	1147129.2	2352.14	1101309.582	2466	1154620.66
ITEM NO 03 Providing laying and fixing glass mosaic tiles in the wet areas like swimming pool, toilets etc. of approved make, colour, pattern, size and thickness on the surface treated with waterproofing compound including backing coat of approved latex-modified thinset, jointing, filling the joints with non shrink neat cementitious coloured grout, curing, ponding, finishing etc. complete as per manufacturers specifications and as directed by Engineer-in-charge (Bisazza Mosaic tile) MCGM R3-CS-FL-17	491.39	SMT	2400	1179336	2301	1130688.39	2413	1185724.07
ITEM NO 04 Aluminium Fins - Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware, with labour inclusive. Approved MR	124.35	SMT	4700	584445	4560	567036	4781	594517.35

<p>ITEM NO.05 Aluminium Fins:-Providing and Fixing Horizontal fins with 100 mm x 40 mm x 3 mm thick.(Triangle Concave Shape) Aluminum Angle sections powder coated of specification, distance between section will be 3-4 inches & details as per drawing. Length and with all the accessories,hardwares, with labour all inclusive.Approved MR</p>	80	SMT	5050	404000	4900	392000	5138	411040
<p>ITEM NO.06 Providing and fixing Counter table L Shape (6.05m x 0.60 m +2.05 X 0.60 m) - 0.60 m width for main counter made of 18 mm thk Marine plywood including table top, drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete loacation- audio visual operation roomSpec. As directed by Engineer-In-Charge.(Face Area To be Measured) Approved MR</p>	8.5	SMT	28800	244800	28000	238000	29358	249543
<p>ITEM NO.07 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) - 0.60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete.loacation-atrium Approved MR Spec. As directed by Engineer-In-Charge.</p>	7.2	SMT	69600	501120	67800	488160	71088	511833.6
<p>ITEM NO.08 Providing and fixing Cabin table (2.1 m x 0.90 m) made of 18 mm thk Marine plywood including table top, with four drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.</p>	1.0	NOS	61600	61600	60000	60000	62910	62910
<p>ITEM NO.09 Providing and fixing Cabin table (1.5 m x .75m)made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.</p>	3.0	NOS	39000	117000	38000	114000	39843	119529
<p>ITEM NO.10 Providing and fixing Librarian table (1.8 m x .75m)made of 18 mm thk plywood including table top.Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Spec. As directed by Engineer-In-Charge. Approved MR Spec. As directed by Engineer-In-Charge.</p>	1.0	NOS	41600	41600	40500	40500	42464	42464
<p>ITEM NO.11 Providing and fixing Issue Counter table (3.05 m x 0.75m) - 0.60 m width for main counter made of 18 mm thk plywood including table top.Side credenza with two drawers, two shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved</p>	2.3	SMT	37800	86940	36830	84709	38616	88816.8

laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. location- Library area Approved MRSpec. As directed by Engineer-In-Charge.								
ITEM NO.12 Providing and fixing Studio table (3.05 m x 0.90m) made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	4.6	SMT	24600	113160	23950	110170	25112	115515.2
ITEM NO.13 Providing & Supplying Rack for Magazines and New Arrivals (Size-1.2 m x 2.1 m) Location - Audio library Approved MR Spec. As directed by Engineer-In-Charge.	2.0	NOS	15900	31800	15500	31000	16252	32504
ITEM NO.14 Providing & Supplying Audio Console Rack - (Size-0.60 m x 1.80 m) Approved MR Spec. As directed by Engineer-In-Charge.	4.0	NOS	24100	96400	23500	94000	24640	98560
ITEM NO.15 Providing & Supplying Slotted Angle Rack with 6-Shelf Shelving Unit Multipurpose Rack (Black) (72 X 30 X 18 Inch)(22 Gauge Shelf, 16 Gauge Angles. Approved MR Spec. As directed by Engineer-In-Charge.	21.6	SMT	8750	189000	8500	183600	8912	192499.2
ITEM NO.16 Providing & Supplying Display Rack made with MR grade Plywood & partly glazed with 10 mm thk toughned glass, 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	16.0	SMT	41600	665600	40500	648000	42464	679424
ITEM NO.17 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	86.2	SMT	19000	1637800	18500	1594700	19397	1672021.4
ITEM NO.18 Providing and fixing Free Standing Pedestal (Size-0.60 m x 0.60 m x 0.90 m) for Exhibition area. Approved MR Spec. As directed by Engineer-In-Charge.	29.0	NOS	21100	611900	20500	594500	21494	623326
ITEM NO.19 Providing and supplying Reading table-Type 01 (size- 0.75 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	5.0	NOS	26700	133500	25990	129950	27251	136255
ITEM NO.20 Providing and supplying Reading table-Type 02 (size- 1.50 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MRSpec. As directed by Engineer-In-Charge.	10.0	NOS	29300	293000	28500	285000	29882	298820
ITEM NO.21 Providing and supplying Book rack straight with white laminate finish inside and exterior designer laminate finish and as shown in the	49.632	SMT	26200	1300358.4	25500	1265616	26737	1327010.78

drawings. Approved MR Spec. As directed by Engineer-In-Charge.									
ITEM NO.22 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge.	1.08	SMT	27600	29808	26830	28976.4	28131	30381.48	
ITEM NO.23 Providing and supplying Cafe table (Square shape) - with laminate finish.(table size -out of 0.90 m x 0.90 m) All wooden surfaces finished with melamine polish with moulding finish location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	27200	217600	26500	212000	27785	222280	
ITEM NO.24 Providing and supplying standard Bench seating (size -out of 3.00m x 0.60 m) . as shown in the drawings location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	34400	172000	33500	167500	35125	175625	
ITEM NO.25 Providing and supplying standard High bench seating (size - out of 1.30 m x 0.60 m) . as shown in the drawings.location :- Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	6.582	SMT	17300	113868.6	16800	110577.6	17615	115941.93	
ITEM NO.26 Providing and supplying Center table - type 01 Table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	6	NOS	13200	79200	12800	76800	13421	80526	
ITEM NO.27 Providing and supplying Center table - (Square / Round shape) - with laminate finish (table size -out of 1.20 m x 1.20 m) All wooden surfaces finished with melamine polish with moulding finish. Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	18000	90000	17500	87500	18349	91745	
ITEM NO. 28 Providing and supplying Corner table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	13900	69500	13500	67500	14155	70775	
ITEM NO.29 Providing and fixing Metal body powder coated Cupboards (Size :- 0.90m X 0.50 m) with required Locking arrangements & adustable shelves. Make Godrej / Ruby Safe or equivalent. Approved MR Spec. As directed by Engineer-In-Charge.	3.78	SMT	21100	79758	20500	77490	21494	81247.32	
ITEM NO.30 Providing and fixing Luggage Racks (Size :- 1.2 mX .45m) made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	1.44	SMT	17000	24480	16500	23760	17300	24912	
ITEM NO.31 Providing and fixing Dressing Tables (Size :-0.60 m X .45m) with 2 sets of drawer & shutter below, made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	2.52	SMT	19000	47880	18500	46620	19397	48880.44	
ITEM NO.32 Providing and supplying Single bed (size- 1.95 m x 0.90 m) - made of 18 mm thk plywood including top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	4	NOS	30300	121200	29500	118000	30931	123724	

ITEM NO.33 Providing and supplying Side table (size- 0.60 m x 0.45m) with two drawers all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. In Suite rooms Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	14900	29800	14500	29000	15203	30406
ITEM NO.34 Providing and fixing Entertainment table for Suite rooms (TV UNIT) Approved MR Spec. As directed by Engineer-In-Charge.	1.2	SMT	17000	20400	16500	19800	17300	20760
ITEM NO.35 Providing and fixing Full Height Wooden Partitions- Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughened glass, nesasary support frames as directed. Finishing complete in all respects with melamine polish to all surafaces & beads, etc. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	97.52	SMT	17000	1657840	16500	1609080	17300	1687096
ITEM NO.36 Providing and fixing Screen Partition design for audio library Approved MR Spec. As directed by Engineer-In-Charge.	19.44	SMT	22100	429624	21500	417960	22543	438235.92
ITEM NO.37 Providing and fixing Mirror Panelling with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work. Finished with veneer Border frame and melamine polish. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Basic cost of veneer Rs. 135/- per sq.ft. Approved MR Spec. As directed by Engineer-In-Charge.	104.275	SMT	5750	599581.25	5600	583940	5872	612302.8
ITEM NO.38 Providing and fixing Acrylic Board panelling on wall Approved MR Spec. As directed by Engineer-In-Charge.	9.45	SMT	8500	80325	8260	78057	8661	81846.45
ITEM NO.39 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved laminate finish the outside of plywood. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	39.285	SMT	8000	314280	7800	306423	8178	321272.73
ITEM NO.40 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved Veneer finish the outside of plywood. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	181.305	SMT	10100	1831180.5	9800	1776789	10275	1862908.88
ITEM NO.41 Providing and fixing Wall slat panelling on wall with 12mm thick commercial BWR plywood on ply support frame work with LED Finishing includes covering with wooden slat of approved on the outside of plywood. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	39.12	SMT	8650	338388	8395	328412.4	8802	344334.24
ITEM NO.42 Providing & Fixing in position. Acoustical Panelling made from Wood - wool board 20 mm on, 50 x 50 mm Sa l- wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut - Outs, decorative mouldings/finishing - items / paint & Scaffolding, as per	548.228	SMT	3700	2028443.6	3601.5	1974443.142	3776	2070108.93

Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour, finishing etc complete SSR :- 51.02 Spec. As directed by Engineer-In-Charge.									
ITEM NO.43 Providing & Fixing in position, Acoustical Panelling made from Fabric wrapped Compressed polyester fibre non woven 9 mm panels on, 50 x 50 mm sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 gsm synthetic wool 50 mm thick with chickenmesh on wall side, including cost of required Cut - Outs, decorative mouldings / finishing - items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour, finishing etc complete SSR :- 51.01 Spec. As directed by Engineer-In-Charge.	259.475	SMT	4950	1284401.2 5	4819.5	1250539.763	5053	1311127.18	
ITEM NO.44 Providing & Fixing in position Acoustical Doors along with 150 x 150 mm teakwood frame, doors made from 50 mm Teak wood frame 600 x 600 c to c filled with 1000 Gsm synthetic wool 50 mm thick and 3 mm Tec sound from both sides, 12 mm water proof ply & veneer from both sides, including 150 mm heavy duty SS hinges (Geze / Dormaoreq) 4 no each leaf, with Door - closer (Dorma / Gezeoreq) including cost of required Cut -Outs, decorative mouldings / finishing - items / melamine polish & Scaffolding as per Architectural & Acoustical Design & Instructions & Complete in all aspects . including all materials labour, finishing etc complete SSR NO51.05 Spec. As directed by Engineer-In-Charge.	34.56	SMT	25600	884736	24885	860025.6	26092	901739.52	
ITEM NO.45 Providing & Arrangemnt of High Back, Synchronized Mechanism with Multiple Locking, Adjustable Armrest, Gaslift for Seat height adjustment, Standard 5-prong P/ Nylon Base with Leatherite Upholstery SSR NO51.40 Spec. As directed by Engineer-In-Charge.	2	NOS	18700	37400	18239.55	36479.1	19124	38248	
ITEM NO.46 Providing & Arrangemnt of Mid Back, Normal Syncro Mechanism, Fixed Armrest, Gaslift for Seat height adjustment, Standard 5-prong/Nylon Base with Leather Upholstery SSR NO51.42 Spec. As directed by Engineer-In-Charge.	10	NOS	10300	103000	10041.15	100411.5	10528	105280	
ITEM NO.47 Providing & Arrangemnt of Mid Back, ECOCTS Mechanism, Fixed Armrest, Gaslift for Seat height adjustment, Standard 5-prong P/Nylon Base with Fabric Upholstery SSR NO51.43 Spec. As directed by Engineer-In-Charge.	10	NOS	7050	70500	6846	68460	7178	71780	
ITEM NO.48 Providing and supplying Café Chairs Approved MR Spec. As directed by Engineer-In-Charge.	28	NOS	5650	158200	5500	154000	5767	161476	
ITEM NO.49 Providing and supplying Standard High Cafe Stools. as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	14	NOS	12700	177800	12380	173320	12980	181720	
ITEM NO.50 Providing and supplying standard Reading chairs. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	42	NOS	4650	195300	4500	189000	4718	198156	
ITEM NO.51 Providing and supplying standard Audio/ Reading wooden chairs. as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	17000	136000	16500	132000	17300	138400	

ITEM NO.52 Providing and supplying standard Audio Console Stools as shown in the drawings location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	6	NOS	10200	61200	9910	59460	10391	62346
ITEM NO.53 Providing and supplying standard Studio chairs as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	32	NOS	6500	208000	6300	201600	6606	211392
ITEM NO.54 Providing & fixing in position, heavy duty fully upholstered Auditorium chairs 520 mm c to c tip-up type. Height of back should be less than 1030 mm with plastic protective cover on back and bottom having teak wood handles. Back to back distance is 1000mm. The auditorium chairs should be of following specifications 1. Powder Coated Heavy duty MS Stand. 2. Individually moulded, ergonomically designed seat and back cushions. 3 Moulded Polyurethane Foam cushion. PU foam density 48 – 52 Kilograms/cu mtr 4. Moulded Polyurethane Foam manufactured in certified ISO 9001 facility to ensure consistency in density for longevity. 5 Upholstered in Foam laminated stretch sandwich Fabric for clean finish and soft comfortable feel as per the colour & pattern selected by the client. 6 Seat and Back should have moulded synthetic protective cover. 7. Wooden or PU armrest 65mm x 20mm - 330mm long. 8 Mounted using Anchor fasteners. As directed by Engineer-in-charge. SSR 51.18/354	85	NOS	6500	552500	6300	535500	6606	561510
ITEM NO.55 Providing and fixing Sofa-3 seater with upholstery (office) Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	64100	128200	62500	125000	65531	131062
ITEM NO.56 Providing and fixing Sofa-2 seater with upholstery. Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	33400	66800	32500	65000	34076	68152
ITEM NO.57 Providing and fixing Sofa-1 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	19000	38000	18500	37000	19397	38794
ITEM NO.58 Providing and fixing 20 mm thick Laminated sheet board pelmet box 150 to 200 mm wide to doors or window frames including 20 mm dia. Aluminium curtain rod with sockets and finishing with french polishing (without top) etc complete. Spec. As directed by Engineer-In-Charge. SSR NO37.15	29.16	SMT	3450	100602	3331.65	97150.914	3493	101855.88
ITEM NO.59 Providing and Fixing Rollar Blinds AMI Make or approved make & shade of 38 mm round Aluminium channel with Black out fabric & telting with chain (Ball) system with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR NO 51.19Spec. As directed by Engineer-In-Charge	584.7985	SMT	2350	1374276.48	2259.6	1321410.691	2369	1385387.65
ITEM NO.60 Providing & Fixing of Signage using 304 Stainless steel letters for the front & side fascia and 5mm thick acrylic molded letters, for back fascia moulded letters with height 24 inches, with necessary power supplies for connection, including profile LED back lighting Approved MR Spec. As directed by Engineer-In-Charge.	52	NOS	3050	158600	2950	153400	3093	160836
ITEM NO.61 Providing & Fixing in position, Carpet more than 800+ gsm, made with 100% stain proof fibres of approved make along with 5mm underlay as per Architectural & Acoustical	337.2595	SMT	1600	539615.2	1522.5	513477.5888	1596	538266.162

Design & Instructions & Complete in all aspects including all materials labour, finishing etc complete SSR 51.13/354									
ITEM NO.62 Providing & Fixing Rod (2meter length) & Accessories for Carpet on Steps including brass finish. etc. as per architect's instructions Approved MR Spec. As directed by Engineer-In-Charge.	28	NOS	1250	35000	1200	33600	1258	35224	
ITEM NO.63 Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed / fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 milimetre perimeter channel and intermediate channels at maximum center to center distance 1200 milimetre galvanized grid should be fixed to reinforced cement concretes lab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from under side to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 milimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete. SSR :- 38.51 Spec. As directed by Engineer-In-Charge.	1584.890 26	SMT	1950	3090536.0 1	1857.45	2943854.413	1948	3087366.23	
ITEM NO.64 Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles of size 15 mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95% , NRC 0.9 - 1.0 , Light Reflectance? 85%, Colour White, Fire Performance UK Class 0 / Class 1 (BS476 pt - 6 & 7) in module size of 600 x 600 x 15 mm, suitable for Green Building application, with Recycled content of 66 % G Wand 74 % RW. The tile shall be laid on precoated G.I channel 32 with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32 mm and a load carrying capacity of 7 Kilograms / M2 with a minimum pull out strength of 100 Kilograms. The T Section have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system The Tile and Grid system used together should carry a 10 year warranty. products approved as per GRIHA and BS 476 etc. complete. SSR :- 38.47 Spec. As directed by Engineer-In-Charge.	879.18	SMT	3100	2725458	3022.95	2657717.181	3170	2787000.6	
ITEM NO.65 Providing and fixing Wooden batten ceiling with Veneer finish As per Spec. As directed by Engineer-In-Charge. Approved MR	509.63	SMT	9750	4968892.5	9500	4841485	9961	5076424.43	
ITEM NO.66 Providing and fixing Designer Fabric ceiling with finish Approved MR Spec. As directed by Engineer-In-Charge.	398.88	SMT	15800	6302304	15400	6142752	16147	6440718.36	
ITEM NO.67 (MS Fabrication work) Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted / welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of	21.70501 76	MT	109700	2381040.4 3	106936.2	2321052.103	112123	2433631.69	

oil painting of approved quality and shade etc. complete SSR NO23.01/129									
ITEM NO 67A Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. SSR 23.04/173	36	MT	128600	4629600	125431.95	4515550.2	131515	4734540	
ITEM NO.68 Providing & Fixing bird wired mesh/wired fabric (12.5mm x 24 SWG) in strips of 200 mm width or as required over junctions of concrete & brick / block masonry or any other specified location at all heights including minimum 200mm overlap at all joints / junction prior to plastering, drilling, nailing etc. complete as directed By Engineer In Charge. MCGM R3-CS-PL-34 Spec. As directed by Engineer-In-Charge.	111.9	SMT	270	30213	263	29429.7	276	30884.4	
ITEM NO.69 Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20 % allowing to dry for 6 to 8 hours After applying acrylic wall putty with appropriate proportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45 % or 65 to 70 % by roller Applying paints Royale luxury emulsion 2 nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.) SSR NO36.21 Spec. As directed by Engineer-In-Charge.	7028.461 26	SMT	300	2108538.3 8	288.75	2029468.189	303	2129623.76	
ITEM NO 70 Providing and applying Wallpaper premium Quality Approved MR Spec. As directed by Engineer-In-Charge.	88.85	SMT	1700	151045	1650	146602.5	1730	153710.5	
ITEM NO 71 Supply and installation of cubicles of width and depth as per Athena Lite-SS Series Cubicles -Std Sizes (W x D x H) : 900 mm x 1550 mm x 2105 mm. (Height is including 100 mm gap from bottom. Door Width - 600 mm specifications/site drawings) . Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS : 2046 and EN - 438 manufactured under high specific pressure > 5 MPa and temperature > 120°C . All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges . Each door will be supported by 3 stainless steel made hinges at fixed to the pilasters. Size of panels to be as per drawing. HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 60 63 T5 -50 micronepoxy powder coated for surface protection, Size to be 125 x 70 x 5T. Corner joinery section, Size to be 40 x 16.5 x 1.8 T.U -Channel Wall joinery section, Size to be 22 x 16 x 1.6 T. Door stopper section, Size to be 21 x 12.5 x 1.6 T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated etc complete.SSR NO51.162Spec. As directed by Engineer-In-Charge.	119.544	SMT	12100	1446482.4	11755.8	1405335.355	12326	1473499.34	

ITEM NO.72 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. Spec. As directed by Engineer-In-Charge. Approved MR	15	RMT	2650	39750	2580	38700	2705	40575
ITEM NO.73 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-2	90	NOS	690	62100	664	59760	696	62640
ITEM NO.74 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 30 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min. 3600 Lumens, min. efficacy of 120 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-7	40	NOS	2550	102000	2487	99480	2608	104320
ITEM NO.75 Supplying and erecting LED Strip light Max. 45 W IP20 class having minimum lumens output of 800 Lumens/m, min. efficacy of 90 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs at L70B50 including driver with minimum 1 year warranty as per specification No. FG-IDF/LED CSR 2-1-10	250	NOS	1950	487500	1889	472250	1981	495250
ITEM NO.76 Supplying and erecting (OTSL 1251)Track LED fitting 10W/15w with high transitivity diffuser :-Miky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	110	NOS	980	107800	950	104500	996	109560
ITEM NO.77 Supplying and erecting (OTSL 1252)Track LED fitting 24W/30w/50w with high transitivity diffuser :-Miky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	120	NOS	1250	150000	1200	144000	1258	150960
ITEM NO.78 Supplying and erecting (OSDL 1055)SPOT LED fitting 5W/10w/15w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	80	NOS	1350	108000	1299	103920	1362	108960
ITEM NO.79 Supplying and erecting (OSDL 1057)SPOT LED fitting 20w/30w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	80	NOS	1500	120000	1416	113280	1485	118800

ITEM NO.80 Supplying and erecting Magnetic Surface Track Channels (size 32mm x 50mm)with available material in Aluminium,Black color,Magnetic Design Approved MR	80	NOS	8200	656000	7999	639920	8387	670960
ITEM NO.81 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led:- 18w/ 40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k. Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	90	NOS	2250	202500	2150	193500	2254	202860
ITEM NO.82 Supplying and erecting (OUL 354)Underwater light fitting 8w/12w/16w with diffuser :-clear/frosted toughened glass , CCT upto3000K/4000k/6000k, Hosing: gun metal/stainless steel, IP68, durable and vandal resistant Approved MR	40	NOS	12600	504000	12283	491320	12879	515160
ITEM NO. 83 Providing and fixing Aluminium open cell(100mmx100mm) ceiling 0.45/0.50 mm Galvanized steel and 0.5/0.65mm Aluminium TCT ,Various Gap 50mm to 100mm made of 0.5mm/0.6mm thick black coil coated galvanized steel /powder coated 20mm Wide,40mm deep, 55 microns thick powder coating on exposed surface , 25 microns polyster coil coated over primer on visible surface with primer coat on rear side. Suspension with 4mm dia Galvanized rod .Height Adjustment Spring STEel big Clip,panel Coupler,GS wall angle. complete as per specification and drawing provided by the Engineer Incharge Approved MR	610	SMT	3150	1921500	3050	1860500	3198	1950780
ITEM NO. 84 Providing and fixing Hands Free Aluminum Foot Door Opener as per drawings and specification provided by the engineer in charge including all fitting complete with Coating complete as per specification and drawing provided by the Engineer InchargeApproved MR	15	NOS	415	6225	400	6000	419	6285
ITEM NO.85 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish , Aluminium Louverd of size (0.6 M X 0.3 M) fixed at bottom for ventilation purpose. all included necessary beads, mouldings lipping patti , iron hold fast, SS Hinges , fixer fastening with Cylinder Half lock with handle, SS handles on inside side (vertical - length 300 mm) and Aluminum Extruded Door Closer fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	21.6	SMT	8250	178200	8000	172800	8388	181180.8
ITEM NO. 86 Supply and Installation of GI DOOR FOR DUCT (0.6 X 1.8MT) AND GLASS (0.3 X 1.00MT) with all the necessary hardware complete as per specification and drawing provided by the Engineer Incharge Approved MR	4	NOS	7650	30600	7425	29700	7785	31140
ITEM NO.87 Providing High Density plastic chair(Nilkamal) Smooth and Satin finish with armrest with steel legs size 585mmx550mmx775 mm weight Capacity 125kg ,complete with approved colour ETC(Novella 10) Approved MR	4	NOS	2850	11400	2741	10964	2874	11496

ITEM NO.88 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. SSR 39.09 / 246	25.4	SMT	3350	85090	3232.95	82116.93	3390	86106
ITEM NO.89 Providing and fixing Speed Breakers of Size 350 W x 500 L x 50 H mm yellow black color as shown in the drawing with necessary fittings & fixtures as directed by EIC. MCGM R3-CS-RM-132	50	RMT	2850	142500	2765	138250	2899	144950
ITEM NO. 90 Providing and Laying hot applied thermoplastic road marking strip on Bituminous Surface of specified shade/ colour of 2.5 mm thick including 1.5 Refractive index reflectorizing glass beads @ 250gm/sqm. Thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35:2015. Initial Dry reflectivity RL shall be > 250 mcd/sqm/lux measured in the initial 7 days and sustained reflectivity RL of 100 mcd/sqm/ lux and Qd of 100 mcd/sqm/ lux measured at the end of 2 years by means of a Standard Reflectometer of Zehntner, Easylux, Delta make capable of measuring RL & QD both according to IRC 35:2015 clause 15.5. The finished surface to be level, uniform, and free from streaks and holes complete as per direction of Engineer-in-charge and in accordance with applicable specifications (Refer MORTH Clause 803 for technical Specification and Performance for IRC 35:2015). SSR 6 12a	100	SMT	720	72000	699.3	69930	733	73300
ITEM NO. 91 Providing and fixing ISI marked double swing flush door shutters conforming to IS 2202 (Part 1) Non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel L- hinges with necessary screws Fittings & Fixtures per leaf SS kick plates on both sides of the door of 300mm height Heavy Duty satin finish butt SS Hinges (100mm x 75mm x 3mm in size) -4 nos. SS finished lever handle with mortise lock- 1 One Number Floor spring- 1 One Number 100mm x 100mm safety glass at the specified location SSR 51.64	3.6	SMT	13500	48600	13125	47250	13762	49543.2
ITEM NO. 92 Grab bars-Providing SS grab bars set for accessible toilets comprising of 4 nos. Grab bars as specified below. (1 nos. wing grab bar + 1 nos. L shaped grab bar + 2 nos. straight grab bars = 1 typical set) 27a) Swing grab bar (1 NOS) Providing a S.S. 304 SWING HANDICAP GRAB BAR - 700 mm and of DIA. 32MM and thickness 1.5mm of the roved brand and make. 27b) L Shaped grab bar (1 NOS) Providing S.S. 304 L SHAPED DISABLED GRAB BAR of IZE-600MM (H) X 600MM (D) and 32MM DIA. and thickness mm of the approved brand and make. 27c) Straight grab bar (2 NOS) Providing S STEEL 304 GRAB RAIL (600 MM), 32MM DIA. and thickness 1.5mm of the approved brand and make. SSR 51.89	1	NOS	21000	21000	20475	20475	21468	21468
ITEM NO.93 Fire Door 45mm 1HR FRL (60/60) 3 Criteria - INTEGRITY / INSULATION/ STABILITY WOODEN DOOR - Fire Door Tested in accordance to IS: 3614 Part 2. SSR 50.81/347								

Providing 60 min Fire rated doors system duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 at National Test House, Govt of India laborator and/or with Central Building Research Institute, Govt of India undertaking with standard heating conditions as specified in IS: 3614 Part II 1992 and BS: 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The fire doors are tested with NCBN technology ("Non Combustible by Nature") with prior approval of concerned Superintending Engineer.								
ITEM NO 94 a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS: 401 and kiln seasoned to moisture below 15% as per IS: 1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete.	12	RMT	1700	20400	1647.45	19769.4	1727	20724
ITEM NO 95b) Shutter : Providing of 65mm thick asbestos free composite - 3 criteria - fire, heat and smoke check Accoustic Door Shutter with flame guard of 120 minutes IS3614 part -II comprising of 2x9mm Calcium Silicate boards, Chemical treated internal timber with Fire retardant chemicals in pressure impregnation vessels under 160 PSI pressure as per IS: 401 and kiln seasoned to moisture below 15% as per IS: 1141 frame work of 100x32 mm with 32mm thick infill of ceramic fiber (density 128Kilograms/CMT), vermaculite mix faced with 6mm Fire retardant High Density ply, internally lipped with hardwood beading, and pasted in Hydraulic Press under 50 tonnes pressure, spray quoted with 2 coats of Intumescent paint of minimum 200 micron, and with 1 row of Brush- Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed for fire and smoke sealing in the grooves in the shutter on all edges except bottom, without any external lipping	5.76	SMT	9750	56160	9464.7	54516.672	9924	57162.24
ITEM NO 96 c) Vision Panel: 1 HR rated E Class clear high stress fire rated glass is pre fabricated strategically inside the shutter structure with 10 mm inside the shutter on all sides with U- glazing. An additional insulated powdercoated 'Z' channel of 16 swg MS sheet to be fixed for reinforcement of the joints. With clear fire resistant glass panes 11mm thick having minimum 120 minutes fire Description	0.36	SMT	36100	12996	35148.75	12653.55	36853	13267.08
ITEM NO 97 Providing and installing Nylon net for protection from Birds entry in Entrance Lobby (Exterior Projection) MCGM R3-CS-RM-133	1200	SMT	230	276000	224	268800	235	282000
ITEM NO 98 Providing and Fixing Adjustable Painting stand/Holder as per specification provided by the engineer in charge. Approved MR	40	NOS	37500	1500000	36500	1460000	38270	1530800
ITEM NO 99 Providing and Fixing high tensile strings for hanging Paintings with frame as per specification provided by the engineer in charge. Approved MR	180	RMT	930	167400	900	162000	944	169920

ITEM NO.100 Supplying, erecting, testing and commissioning of float sensor switch for water level controller working on 250 V & rated current 8A, with 2 m wire & high quality of wire & plastic body. CSR 12-4-28	6	NOS	425	2550	413	2478	433	2598
ITEM NO.101 Supplying, erecting, testing and commissioning of directly operated single phasing preventer complete erected and connected to supply to operate in case of single phasing with guarantee for minimum one year. CSR 12-4-29	3	NOS	760	2280	741	2223	777	2331
ITEM NO.102 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-MCB CSR 5-3-13	8	NOS	1400	11200	1329	10632	1393	11141
ITEM NO.103 Providing and fixing Stainless steel sink of size 1145 x 510 x250 mm (Graceful Glory - Big) including coupling, outlet pipe, elbow and other necessary fitting, finishing etc. complete. Approved MR Spec. As directed by Engineer-In-Charge.	1	NOS	18800	18800	18280	18280	19167	19167
ITEM NO.104 Providing and fixing push cock (Self closing tap) symet type of 20 mm dia. including necessary socket, testing etc. complete. SSR 41.55	10	NOS	510	5100	489.3	4893	513	5130
ITEM NO.105 Providing and fixing Autoclosing pillar cock of pressmatic tap of approved make or equivalent including all fixtures, fittings etc. complete. SSR 41.77	10	NOS	2850	28500	2742.6	27426	2876	28760
ITEM NO.106 Providing & erecting 4 Pole MCCB 415V, 630A, 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. 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-MCCBCSR 5-5-7	1	NOS	33900	33900	33016.8	33016.8	34618	34618
ITEM NO.107 Providing & erecting 3 Pole MCCB 415V, 630A, 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. 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-MCCB (To be set at 500A) CSR 5-5-7	1	NOS	28300	28300	27514	27514	28848	28848
ITEM NO.108 Supplying, installing, testing and commissioning air circuit breaker manual fixed type, non-drawout type, 650V, 1000A rated at 50° C without deration, 12kV Impulse, 4 Pole (100% Neutral Protection), 50 kA (Ics=Icu=Icw for 1s),with standard accessories with ready to close, individual fault trip, alarm and trip indication, mechanical and electrical anti pumping, soft/hard rating plug (including hard rating plug CT) with Microprocesser based LCD display release with LSIG and temperature rise protection & with 4 C/O contacts for On-Off-Trip indication, min. 5 event and trip history on breaker display on provided iron frame as per specification no. SW-SWR/ACB CSR 5-8-3	1	NOS	132700	132700	129388	129388	135663	135663

ITEM NO.109 Providing & erecting 4 Pole MCCB 415V, 400A, 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. 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-MCCB CSR 5-5-6	2	NOS	24900	49800	24250.8	48501.6	25427	50854
ITEM NO.110 Providing & erecting 4 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 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. 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-MCCB CSR 5-5-3	2	NOS	13700	27400	13310.4	26620.8	13956	27912
ITEM NO.111 Providing & erecting 4 Pole MCCB, 415V, 160A, rated short-circuit breaking capacity 25 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. 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-MCCB CSR 5-5-2	5	NOS	11200	56000	10832.4	54162	11358	56790
ITEM NO.112 Supplying and erecting intelligent flush mounted panel meter three phase four wire. (IPM) input voltage measurement range 50-550 V AC (P-P) 415V, aux. supply 90-300 V AC/DC, flush mounted (96 x 96 mm) meter constant Wh viewing in LCD multifunction meters in auto scroll mode with voltage, current, frequency, power factor kW, kVA, kVAR, kWh, kVAh, kVARh, phase angle, interrupts, THD, complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware CSR 6-5-9	9	NOS	9700	87300	9436	84924	9894	89046
ITEM NO.113 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	10	NOS	365	3650	355	3550	372	3720
ITEM NO.114 Supplying, erecting & marking of surge arrester/ surge protection device at the main distribution board after the incoming breaker of type 1+2 tested for I _{max} 50 kA for three phase and neutral with compliance to IEC 61643-11 as per specification no. CP-SPD CSR 6-8-3	6	NOS	9800	58800	9552	57312	10015	60090
ITEM NO.115 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 RS232 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. CSR 6-5-13	2	NOS	12700	25400	12298	24596	12894	25788
ITEM NO.116 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed	40	NOS	7150	286000	6969.6	278784	7308	292320

magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1									
ITEM NO.117 Supplying, erecting, testing & commissioning 125 kVAr, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,20,20,20,20,25 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/ MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC, CSR 6-9-20	1	NOS	519600	519600	506838	506838	531420	531420	
ITEM NO.118 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 provided on iron/GI frame as per specification no. SW-MCBDB CSR 5-4-11	8	NOS	1650	13200	1605	12840	1683	13464	
ITEM NO.119 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 8 ways (8 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-10	7	NOS	1550	10850	1503	10521	1576	11032	
ITEM NO.120 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB, CSR 5-4-1	2	NOS	2500	5000	2391	4782	2507	5014	
ITEM NO.121 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 8 ways/phase (24 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (horizontal busbar type) as per specification no.SW-MCBDB.CSR 5-4-2.	2	NOS	3450	6900	3317	6634	3478	6956	
ITEM NO.122 Supplying, erecting & marking DP MCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	15	NOS	530	7950	510	7650	535	8025	
ITEM NO.123 Supplying & erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DP MCB/TP MCB/FP MCB/RCCB/RCBO complete erected on provided angle iron/GI frame, CSR 5-4-15	32	NOS	420	13440	408	13056	428	13696	
ITEM NO.124 Supplying and erecting modular type telephone socket one gang with safety shutter on provided plate and box with wiring connections complete CSR 1-6-15	13	NOS	120	1560	114	1482	120	1560	

ITEM NO.125 Supplying and erecting modular type computer Jack RJ 45 with safety shutter, on provided plate and box with wiring connections complete. CSR 1-6-17	23	NOS	160	3680	152	3496	159	3657
ITEM NO.126 Supplying & 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(GREEN COLOUR EARTH WIRE) CSR 1-3-1	400	RMT	25	10000	23	9200	24	9600
ITEM NO.127 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-37	16	NOS	310	4960	298	4768	312	4992
ITEM NO.128 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-39	18	NOS	470	8460	454	8172	476	8568
ITEM NO.129 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-40	16	NOS	560	8960	544	8704	570	9120
ITEM NO.130 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16/18 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-41	12	NOS	630	7560	614	7368	644	7728
ITEM NO.131 Supplying & 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 (GREEN COLOUR EARTH WIRE) CSR 1-3-2	850	RMT	40	34000	35.5	30175	37	31450
ITEM NO.132 Supplying & 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 9CSR 1-3-3	1000	RMT	105	105000	99	99000	104	104000
ITEM NO.133 Supplying & 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 9 (green colour) CSR 1-3-3	100	RMT	105	10500	99	9900	104	10400
ITEM NO.134 Supplying & erecting mains with 4x4 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 Continuous earth wire size shall be selected as per IS 732:2019 CSR 1-3-3	360	RMT	255	91800	247.5	89100	260	93600
ITEM NO.135 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-7	2220	RMT	110	244200	104	230880	109	241980

ITEM NO.136 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-8	3900	RMT	95	370500	90	351000	94	366600
ITEM NO.137 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	1575	RMT	120	189000	116	182700	122	192150
ITEM NO.138 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification WG-MA/CC. CSR 1-1-10	670	RMT	105	70350	102	68340	107	71690
ITEM NO.139 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	180	RMT	145	26100	139	25020	146	26280
ITEM NO.140 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	125	RMT	160	20000	153	19125	160	20000
ITEM NO.141 Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	100	RMT	20	2000	19	1900	20	2000
ITEM NO.142 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 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 (WIRE AMOURED) CSR 7-1-16	250	RMT	355	88750	341.55	85387.5	359	89750
ITEM NO.143 Supplying, erecting & terminating FR XLPE insulated, galvanised steelformed wire armoured (strip) cable, 1100 V 4 core 25 sq. mm. aluminiumconductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Proviousnal qty)CSR 7-1-30	305	RMT	275	83875	265	80825	278	84790
ITEM NO.144 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ 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/AL (Wire Armoured) CSR 7-1-19	10	RMT	730	7300	702.65	7026.5	737	7370
ITEM NO.145 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 240 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 (Wire Armoured) CSR 7-1-23	100	RMT	1650	165000	1587	158700	1664	166400
ITEM NO.146 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 300 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 (Wire Armoured) CSR 7-1-24	100	RMT	1950	195000	1896.35	189635	1988	198800
ITEM NO.147 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70	100	RMT	520	52000	499	49900	523	52300

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 (Wire Armoured) CSR 7-1-18									
ITEM NO.148 Supplying & erecting single compression type brass cable glands for 4 core 35 Sq.mm/3 core 50 Sq.mm. cable as per specification no. CB-GL CSR 7-7-4	2	NOS	215	430	208	416	218	436	
ITEM NO.149 Supplying & erecting single compression type brass cable glands for 3/2 core 95 sq mm cable as per specification No. CB-GL CSR 7-7-7	4	NOS	325	1300	315	1260	330	1320	
ITEM NO.150 Supplying & erecting Single Compression type brass cable glands for 3/2 core 240 sq mm cable as per specification No. CB-GL CSR 7-7-11	4	NOS	610	2440	586	2344	614	2456	
ITEM NO.151 Supplying & erecting Single Compression type brass cable glands for 3/2 core 300 sq mm cable as per specification No. CB-GL CSR 7-7-12	4	NOS	820	3280	799	3196	838	3352	
ITEM NO.152 Supplying & erecting single compression type brass cable glands for 3/2 core 70 sq mm. cable as per specification no. CB-GL CSR 7-7-6	4	NOS	290	1160	280	1120	294	1176	
ITEM NO.153 Supplying & erecting crimping type aluminium lugs for cable 25 sq mm complete as per specification No. CB-CL/AL (provisional qty) CSR 7-10-2	8	NOS	15	120	12	96	13	104	
ITEM NO.154 Supplying & erecting crimping type aluminium lugs for cable 35 sq mm complete as per specification No. CB-CL/AL CSR 7-10-3	8	NOS	20	160	19	152	20	160	
ITEM NO.155 Supplying & erecting crimping type aluminium lugs for cable 95 sq mm complete as per specification No. CB-CL/AL CSR 7-10-6	8	NOS	35	280	33	264	35	280	
ITEM NO.156 Supplying & erecting crimping type aluminium lugs for cable 70 sq mm complete as per specification No. CB-CL/AL CSR 7-10-5	8	NOS	35	280	31	248	33	264	
ITEM NO.157 Supplying & erecting crimping type aluminium lugs for cable 240 sq mm complete as per specification No. CB-CL/AL CSR 7-10-10	16	NOS	115	1840	112	1792	117	1872	
ITEM NO.158 Supplying & erecting crimping type aluminium lugs for cable 300 sq mm complete as per specification No. CB-CL/AL CSR 7-10-11	16	NOS	170	2720	163	2608	171	2736	
ITEM NO.159 Supply, installing, and testing 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 Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity (min. 125kg) complete, and recording the results specification no. EA-MF CSR 9-1-5	11	NOS	12700	139700	12357	135927	12956	142516	
ITEM NO.160 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete CSR 7-6-12	350	RMT	385	134750	374	130900	392	137200	
ITEM NO.161 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps	102	KG	175	17850	168	17136	176	17952	

fixed on wall/cable/ conduit with screws complete(8 SWG) CSR 9-2-5									
ITEM NO.162 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 100 mm height with required standard accessories CSR 7-11-3	300	RMT	890	267000	859	257700	901	270300	
ITEM NO.163 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware. CSR 7-11-8	150	RMT	870	130500	846	126900	887	133050	
ITEM NO.164 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-7	100	RMT	700	70000	676	67600	709	70900	
ITEM NO.165 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-6	220	RMT	610	134200	590	129800	619	136180	
ITEM NO.166 Supplying, erecting, testing & commissioning of 20 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.9 to unity output pf,3 phase input & 3 phase output complete with all protections as per specification no. APUPS(Without batteries)CSR 3-7-8	2	NOS	297600	595200	290248	580496	304325	608650	
ITEM NO.167 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. for 30 mins battery backup CSR 3-8-12	60	NOS	9800	588000	9549	572940	10012	600720	
ITEM NO.168 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED (Final light fittings to be as per Architects selection) CSR 2-1-12	65	NOS	2000	130000	1915	124475	2008	130520	
ITEM NO.169 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 , IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-19	10	NOS	1450	14500	1409	14090	1477	14770	
ITEM NO.170 Supplying and erecting anodized aluminium light LED fitting (4 feet) Max. 22W with high transitivity diffuser with system lumens output of Min.2200 lumens , min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block/wooded	20	NOS	830	16600	802	16040	841	16820	

board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-18								
ITEM NO.171 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 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 minimum 2 Year warranty as per specification No FG-ODF/BL. (Final light fittings to be as per Architects selection) CSR 2-3-20	53	NOS	7050	373650	6834	362202	7165	379745
ITEM NO.172 Supplying and erecting LED square / circular Max. 18 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 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 L70B0 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED (Final light fittings to be as per Architects selection) CSR 2-1-5	630	NOS	1600	1008000	1544	972720	1619	1019970
ITEM NO.173 Supplying and erecting LED square / circular Max. 14 W down lighter /Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 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 L70B0 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED wattage considered 12W (Final light fittings to be as per Architects selection-OUL354)CSR 2-1-4	65	NOS	1300	84500	1224	79560	1283	83395
ITEM NO.174 Supplying and erecting Bulk Head LED fitting Max. 10W with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-15	46	NOS	1500	69000	1423	65458	1492	68632
Supply, Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transparent. h) All suspended fixtures shall be provided with SS caps to put around suspension at false ceiling level				0		0		0

<p>Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture. 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant:</p>									
<p>ITEM NO.175 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 minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-6</p>	880	NOS	2000	1760000	1945	1711600	2039	1794320	
<p>ITEM NO.176 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min 4200 Lumens, min. efficacy of 120 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-8</p>	5	NOS	3000	15000	2887	14435	3027	15135	
<p>ITEM NO.177 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 50W with high transitivity diffuser with system lumens output of Min. 6000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. (15W Track Light-OTSLS1251) CSR 2-1-20</p>	65	NOS	2350	152750	2278	148070	2388	155220	
<p>ITEM NO.178 Supplying and erecting CRCA powder coated light LED fitting 15W Track Light-OTSLS1252 with high transitivity diffuser with system lumens output of Min. 6000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-20</p>	60	NOS	2350	141000	2278	136680	2388	143280	
<p>ITEM NO.179 Supplying and erecting CRCA powder coated mirror light LED fitting (4 feet) Max. 17W with high transitivity diffuser with system lumens output of Min. 2000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP 20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17</p>	10	NOS	660	6600	641	6410	672	6720	

<p>ITEM NO.180 Supplying and erecting 18W Wall light (OWL 402) with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17</p>	5	NOS	660	3300	641	3205	672	3360
<p>ITEM NO.181 Supplying and erecting rectangular shaped LED Panel Light (1200mm X 300mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min. 4200 Lumens, min. efficacy of 120 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 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-9</p>	25	NOS	3150	78750	3027	75675	3174	79350
<p>ITEM NO.182 Supplying and erecting CRCA powder coated mirror light LED fitting (4 feet) Max. 17W with high transitivity diffuser with system lumens output of Min. 2000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP 20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17</p>	40	NOS	660	26400	641	25640	672	26880
<p>ITEM NO.183 Supplying and erecting 15W Bulkhead light (OWL 402) with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17</p>	50	NOS	660	33000	641	32050	672	33600
<p>ITEM NO.184 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 2 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V 50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition. The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189:2008, NFPA-72, EN 54 / VdS/FM & UL 864(10th edition) with 3 years replacement warranty and inclusive of lifetime software license validity. as per specification noFF-AFAS/CP. CSR 13-10-2</p>	1	NOS	176500	176500	172095	172095	180442	180442

<p>ITEM NO.185 Supplying, installing, testing and commissioning of Addressable Optical Photo Smoke Detector. The detector shall have multi co-operative sensing technology for faster response & avoid false alarms. The detector shall have single/twin bicolour LED for 360 deg viewing. The detector is conforming to IS 2189: 2008, 11360_1985_Ref2020_EN 54 /VdS / UL & FM approved with 3 years equipment replacement warranty. Designed to meet UL268, 7th Edition. FFAFAS/ SD. CSR 13-10-5</p>	135	NOS	2450	330750	2380	321300	2495	336825
<p>ITEM NO.186 Supplying, installing, testing and commissioning of intelligent addressable thermal/heat detector with rate of rise cum fixed temperature thermistor complete with 0°C to 58°C temperature range, with base as required, single/twin LED's with 360 degree view, in-built locking mechanism to check the removal and pilferage of the detector. Detector Shall conforming to IS : 2175 - 1988 reaffirmed 2000, IS 15908:2021 / EN 54 / VdS / UL & FM approved with 3 years equipment replacement warranty. Designed to meet UL268, 7th Edition. FF-AFAS/HD - ROR. CSR 13-10-6</p>	9	NOS	2800	25200	2714	24426	2846	25614
<p>ITEM NO.187 Supplying, installing, testing and commissioning of addressable fire control/relay module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs etc. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 reed relays / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FFAFAS/ CRM-FCM CSR 13-10-10</p>	16	NOS	3900	62400	3779	60464	3962	63392
<p>ITEM NO.188 Supplying, installing, testing and commissioning of addressable fire monitor module for flow switches, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 Reed relays, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MM CSR 13-10-11</p>	16	NOS	3850	61600	3730	59680	3911	62576
<p>ITEM NO.189 Supplying, installing, testing and commissioning of addressable fire isolator module for isolating short / dewired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector & module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device. module complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty. FF-AFAS/ISMCSR 13-10-12</p>	14	NOS	3150	44100	3055	42770	3203	44842
<p>ITEM NO.190 Supplying, installing, testing and commissioning of addressable manual call points (break glass type/pull station type), made of addressable break glass plastic square in shape surface/flush mounted with "Break Glass" message embedded on the glass, complete erected with mounting base and required accessories. Module shall conform to EN 54/VdS / UL & FM approved with 3 years equipment</p>	12	NOS	3700	44400	3579	42948	3753	45036

replacement warranty, as per specification no FF-AFAS/MCP CSR 13-10-13									
ITEM NO.191 Supplying, installing, testing and commissioning of Addressable Sounder cum Strobe rated at minimum 75 dB @ 3m for Audible annunciation and minimum 75cd flashing at 1 Hz for visual indication. Module shall conforming to IS 2189: 2008, IS 15908:2021 / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/ S-ST CSR 13-10-14	8	NOS	8050	64400	7837	62696	8217	65736	
ITEM NO.192 Supplying, installing, testing and commissioning of repeater panel with suitable battery backup of a minimum of 24 hours in normal condition and 30 min in alarm condition, minimum 10" LCD or LED display with resistive touch screen or function keys and automatic back-light dimming and the status of any Fire/Fault of Integrated Fire Alarm Panels or minimum 80 characters backlit alphanumeric LCD display with inbuilt buzzer to indicate fault/fire alarm, manual control keys for silence/mute and to reset the FACP from the repeater station. Panel shall conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL with 3 years replacement warranty FF-AFAS/RP. (Compatible with 1/2 Loop Fire Alarm Control Panel), as per specification no FF AFAS/RP CSR 13-10-16	1	NOS	76400	76400	74506	74506	78120	78120	
ITEM NO.193 Supplying, erecting, testing & commissioning Mixer Amplifier 500W RMS Power with Built-in Digital Player with remote and having 7 Mic & 3 Aux Inputs with Box Speaker/Driver Unit selector switch to each zone , stereo/mono switch, frequency response 50-15000Hz, output regulation <2dB, serprate control for USB level. The unit shall have Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme with Resettable circuit breaker for protection against overload and short circuit. The unit shall have speaker output range of 2Ω, 4Ω/(Low Impedence) and 70V & 100V/(High Impedence) & It can instant transfer to DC power(36V) if AC power fails. Signal to noise ratio between 60dB to 80dB. Complete as per specification no. PA-MA CSR 19-7-12	1	NOS	28400	28400	27671	27671	29013	29013	
ITEM NO.194 Supplying, installing, testing & commissioning 2-Way flush mount Ceiling Speakers with input power 20W RMS power, with power taps on 20/10/5W, 100V & 70V line, frequency response 90-18000Hz, stylish metal mesh grill and plastic frame, operates on 100V line for excellent reproduction of both speech and music, wide frequency response and adjustable tweeter complete as per specification no. PA-FMCS (5W tap consideration) CSR 19-7-14	97	NOS	2400	232800	2334	226398	2447	237359	
ITEM NO.195 Supplying, erecting, testing and commissioning of multistrand annealed bare copper conductor, transparent PVC insulated 2C x 1 sqmm speaker wire in provided trunking/conduit etc complete as per specification no. PA-TSPWRCSR 19-7-25	991.2	RMT	45	44604	41	40639.2	43	42621.6	
ITEM NO.196 Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features : Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream,	8	NOS	8150	65200	7917	63336	8301	66408	

<p>Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, CSR 19-6-1</p>								
<p>Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350° Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone, minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>				0		0		0
<p>Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C). Security- User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1 2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified, duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no.CCTV-CAM.</p>				0		0		0
<p>ITEM NO.197 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream. Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, CSR 19-6-3</p>	58	NOS	8100	469800	7854	455532	8235	477630
<p>Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350° Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal</p>				0		0		0

Resistant Built in micro SD/SDHC/SDXC card slot of minimum 128 GB. Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.									
Events - Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C). Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM.				0		0			0
ITEM NO.198 Supplying, installing, testing & commissioning of 32/40 Ch. Network Video Recorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI/VGA outputs, provided HDMI output of 4K resolution or VGA output with output up to 1920 × 1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 250Mbps with minimum 4 SATA Hard Disks, ANR Technology, 4 SATA interfaces for 4 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptive Ethernet interface, ONVIF conformance, Multiple network monitoring, Web viewer, support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RoHS, UL, CE, FCC certified, duly erected in provided U Rack with wiring connections, tagging and programming etc. complete as per specification no. CCTV-NVR CSR 19-6-15	2	NOS	46700	93400	45460	90920	47665		95330
ITEM NO.199 Supplying, erecting & terminating 10 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete. CSR 19-1-23	4	NOS	4800	19200	4641	18564	4866		19464
ITEM NO.200 Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, Maximum sustained transfer rate 150MB/Sec to 180MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 64, Load/Unload Cycle - 3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS, RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD CSR 19-6-21	4	NOS	24400	97600	23722	94888	24873		99492
ITEM NO.201 Supplying & erecting 32" professional LED Monitor with 1920*1080 (Full HD) Display, suitable for 16 channel NVR and following features Brightness: minimum 250 Cd/m2 Contrast Ratio: minimum	2	NOS	24700	49400	24069	48138	25236		50472

1000:1 Viewing angle: 178/178 deg. Response time: maximum 8 ms Inputs: HDMI, VGA, BNC, USB, Audio In. Built-in speakers maximum 2 W, Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MONCSR 19-6-23									
ITEM NO 202 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568 C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	4	NOS	11300	45200	11017	44068	11551	46204	
ITEM NO.203 Supplying and fixing 12 ports light guide unloaded interconnect unit, rack mounted type, with adapter panel for termination of optical fiber cables in provided U rack complete as per specification no. WG-NAS/LIU CSR 19-5-6	2	NOS	5400	10800	5265	10530	5520	11040	
ITEM NO.204 Supplying and fixing power distribution unit for networking rack comprises of 6/16A (6 NOS sockets), 16A modular MCB, appropriate rating, enclosed in black powder coated metal with necessary arrangement for fixing complete. CSR 19-5-17	6	NOS	5450	32700	5270	31620	5526	33156	
ITEM NO. 205 Supplying and fixing 9U wall mount rack (Dimension-DxWxH – 500x550x480 mm) as per specification no. WG-NAS/RAK CSR 19-5-19	4	NOS	9900	39600	9615	38460	10081	40324	
ITEM NO.206 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable suitable for networking compliant with ANSI/TIA-568 2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC CSR 19-3-1	3040	RMT	60	182400	57	173280	60	182400	
ITEM NO 207 Supplying and fixing 1 m 24 AWG multi stranded UTP patch cord with RJ-45 factory crimped connector of Cat 6 type, compliant ANSI/TIA-568 2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-16	50	NOS	250	12500	243	12150	255	12750	
ITEM NO 208 Supplying and erecting 12 fibers LSZH armoured multimode optical fiber cable with , core dia 50/125 µm (OM3), suitable upto 10 GBPS, compliant to IEC 60793/IEC 60794 standards, on wall/ceiling or laid in provided pipe/trench as per specification no. WG-ELVC/OFC CSR 19-3-11	50	RMT	310	15500	302	15100	317	15850	
ITEM NO 209 Supplying and fixing SC/SC type multimode pigtails (OM3) for LIU to terminate OFC in LIU as per specification no. WG-NAS/LIU2 CSR 19-5-13	2	NOS	840	1680	815	1630	855	1710	
ITEM NO 210 Supplying and fixing of self expanding, ready to use polyurethane(PU) foam sealant of minimum 750ml bottle, suitable to seal the openings of all kinds of cables, pipes and cable support system in steel, aluminium and plastic profiles (except hollow core conductors). Sealant shall have minimum 2 hour fire rating , conforming to EN 1366-4:2021 as per specification no FF-FRS. CSR 13-12-1	50	NOS	1550	77500	1495	74750	1568	78400	
ITEM NO 211 Providing & erecting 4 Pole MCCB, 415V, 800A, rated short-circuit breaking capacity 50 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. MCCB should have phase barriers both sides, with insulation withstand capacity	2	NOS	57000	114000	55569.6	111139.2	58265	116530	

800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCBCSR 5-5-8									
ITEM NO.212 Providing & erecting 3 Pole MCCB 415V, 320A, 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 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-MCCB CSR 5-5-5	2	NOS	24600	49200	23994	47988	25158	50316	
ITEM NO.213 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-MCB. CSR 5-3-13	2	NOS	1400	2800	1329	2658	1393	2786	
ITEM NO.214 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 40A, open execution having staggered termination, phase barrier, shroud termination and terminalcover along with auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no. SW-SWR/COS. CSR 5-1-2	1	NOS	3350	3350	3235	3235	3392	3392	
ITEM NO.215 Supplying, erecting & marking FP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-12	100	NOS	1100	110000	1059	105900	1110	111000	
ITEM NO.216 Supplying, erecting, testing & commissioning 200 kVAr, 3 phase, 50 Hz. APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,10,20,25,25,50,50 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC CSR 6-9-22	1	NOS	637000	637000	621368	621368	651504	651504	
ITEM NO.217 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 2 ways (2 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-7	1	NOS	840	840	818	818	858	858	
ITEM NO.218 Supplying, fixing and commissioning 2 pole RCBO up to 25A, 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 per specification no SW-RCBO. CSR 5-6-9	14	NOS	3300	46200	3179	44506	3333	46662	
ITEM NO.219 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 4 ways/12 Poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-4.	1	NOS	4700	4700	4582	4582	4804	4804	

ITEM NO 220 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 4 ways (4 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per Specification no. SW-MCBDBCSR 5-4-8.	1	NOS	1050	1050	984	984	1032	1032
ITEM NO 221 Supplying, fixing and commissioning 4 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 per specification no SW-RCBO, CSR 5-6-13	2	NOS	4350	8700	4212	8424	4416	8832
ITEM NO 222 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 12 ways/36 poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-6	11	NOS	7950	87450	7739	85129	8114	89254
ITEM NO.223 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-37	63	NOS	310	19530	298	18774	312	19656
ITEM NO 224 Supplying & erecting crimping type aluminium lugs for cable 25 sq mm complete as per specification No. CB-CL/AL CSR 7-9-2	96	NOS	40	3840	36	3456	38	3648
ITEM NO 225 Supplying & erecting crimping type aluminium lugs for cable 35 sq mm complete as per specification No. CB-CL/AL CSR 7-9-3	8	NOS	45	360	42	336	44	352
ITEM NO 226 Supplying, erecting, testing & commissioning of 10 kVA capacity on line pure sine wave, PWM, IGBT based UPS with 0.9 to unity output pf, 3 phase input & 3 phase output complete with all protections as per specification no. AP-UPS(Without batteries) CSR 3-7-7	1	NOS	185100	185100	180484	180484	189237	189237
ITEM NO 227 Supplying and erecting anodized aluminium mirror light LED fitting (2 feet) for toilet area Indirect lighting Max. 12W with high transitivity diffuser with min. system lumens output of 1200 lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-16	31	NOS	470	14570	455	14105	477	14787
ITEM NO 228 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 4 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V 50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition. The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL	1	NOS	286100	286100	279040	279040	292573	292573

864(10th edition) with 3 years replacement warranty and inclusive of lifetime software license validity , as per specification noFF-AFAS/CP. CSR 13-10-3									
ITEM NO.229 Supplying & erecting 4 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, Maximum sustained transfer rate 150MB/Sec to 180MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 64, Load/Unload Cycle - 3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS. RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDDCSR 19-6-20	2	NOS	12700	25400	12340	24680	12938	25876	
ITEM NO.230 Supplying & erecting HMS PVC conduit 40mm dia. with necessary accessories in wall/floor/RCC work/false ceiling/false flooring with chiselling appropriately as per specification no. WG-MA/CC. Approved MR	2865	RMT	240	687600	234	670410	245	701925	
ITEM NO.231 Supplying & laying flexible HMS PVC conduit 40mm dia. with necessary accessories. Approved MR	937.5	RMT	95	89062.5	90	84375	94	88125	
ITEM NO.232 SITC of white Pop-Up box for Library area switch socket installation. The configuration to consist of 5switch+5 socket complete in all respect, flushed with the table. Approved MR	20	NOS	5650	113000	5500	110000	5767	115340	
ITEM NO.233 Supply,Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transparent h) All suspended fixtures shall be provided with SS caps to put around suspension at false ceiling level Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant. MR				0		0		0	
45 W LED DOWN LIGHT FITTING SURFACE MOUNTED/ SUSPENSION MOUNTED	134	NOS	3750	502500	3635.25	487123.5	3811	510674	
15 W TRACK LIGHT WITH COB LED & EXTRUDED ALUMINIUM HOUSING	55	NOS	1600	88000	1550	85250	1625	89375	
SINGLE PHASE 1 MTR. TRACK FOR TRACK LIGHTS	60	SET	610	36600	590	35400	619	37140	
LED DECORATIVE HANGING LIGHT FITTINGS	21	NOS	26900	564900	26200	550200	27471	576891	
RGB FLOOR STRIP LIGHTS OF 300 mm LENGTH WITH CONTROLLER	123	NOS	1700	209100	1638	201474	1717	211191	
5 W LED STUDY TABLE LAMP	9	NOS	4750	42750	4585	41265	4807	43263	
ITEM NO.234 Supply, Installation,Testing & Commissioning of Response indicator for all detectors located above false ceiling. Complete as required Approved MR	68	NOS	260	17680	250	17000	262	17816	
ITEM NO. 235 Supplying and erecting electronic type cordless call bell erected on T.W. board having portable bell push working on 9V D.C. battery and (effective range upto 45	5	NOS	570	2850	555	2775	582	2910	

meter) bell on 250 V A.C. supply. CSR 2-2-5									
ITEM NO.236 Providing & fixing AC Charger of model named as AC Type 2 with power rating of 7.4 kW & charging connector IEC62196-2 Gun, the input power supply should be of one phase with all required accessories. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS	86500	173000	84375	168750	88467	176934	
ITEM NO.237 Providing & fixing AC Charger of model named as Bharat AC01 with power rating of 3x3.3 KW & charging connector 3 NOS of 16 A Socket, the input power supply should be of three phase with all required accessories. (For 2/3 W & 4 W slow charging) complete as per specification and drawing provided by the Engineer Incharge Approved MR	1	NOS	79600	79600	77625	77625	81390	81390	
ITEM NO.238 Providing & fixing DC Fast Charger of model named as CCS2 with power rating of 30 KW & charging connector 1 NOS of 30 KW CCS2 gun, the input power supply should be of three phase with all required accessories and the output current will be 125 A per Gun. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS	758400	1516800	739800	1479600	775680	1551360	
ITEM NO.239 Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-2	12	NOS	180	2160	174	2088	182	2184	
ITEM NO.240 Supplying, erecting & marking SPMCB 6A to 32A, B-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-3	40	NOS	180	7200	173	6920	181	7240	
ITEM NO.241 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	4	NOS	2850	11400	2756	11024	2890	11560	
ITEM NO.242 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	8	NOS	2800	22400	2722	21776	2854	22832	
ITEM NO.243 Supplying, erecting & commissioning 2 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-1	8	NOS	2200	17600	2136	17088	2240	17920	
ITEM NO.244 Providing & erecting floor/wall mounting, MCCB panel board, with door, suitable for 4 pole incoming 250A, 12 ways 4 pole outgoing, up to 100A MCCBs on iron frame, as per specification no. SW-MCCB/PB. (Excluding MCCBs) CSR 5-7-5	1	NOS	73100	73100	71221	71221	74675	74675	
ITEM NO.245 Supplying, erecting, testing & commissioning 50 kVAR, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,3,5,5,7,10,15 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned	1	NOS	280600	280600	273707	273707	286982	286982	

aluminium wound reactor of 7/ 14% for each step. APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC CSR 6-9-18									
ITEM NO.246 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 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 CSR 7-1-21	100	m	930	93000	902	90200	946	94600	
ITEM NO.247 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 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 CSR 7-1-20	30	m	790	23700	761	22830	798	23940	
ITEM NO.248 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 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 7-2-32	200	m	410	82000	398	79600	417	83400	
ITEM NO.249 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 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 7-2-31	250	m	310	77500	299	74750	314	78500	
ITEM NO.250 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 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 7-2-33	250	m	630	157500	605	151250	634	158500	
ITEM NO.251 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	26	Nos	75	1950	73	1898	77	2002	
ITEM NO.252 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GL CSR 7-7-2	6	Nos	100	600	93	558	98	588	
ITEM NO.253 Supplying & erecting single compression type brass cable glands for 3½ core 120 sq mm cable as per specification No. CB-GL CSR 7-7-8	2	Nos	385	770	372	744	390	780	
ITEM NO.254 Supplying & erecting single compression type brass cable glands for 3½ core 150 sq mm cable as per specification No. CB-GL CSR 7-7-9	2	Nos	385	770	372	744	390	780	
ITEM NO.255 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	32	Nos	25	800	24	768	25	800	
ITEM NO.256 Supplying & erecting crimping type aluminium lugs for cable 120 sq mm complete as per specification No. CB-CL/AL CSR 7-10-7	8	Nos	50	400	47	376	49	392	

ITEM NO.257 Supplying & erecting crimping type aluminium lugs for cable 150 sq mm complete as per specification No. CB-CL/AL. CSR 7-10-8	8	Nos	65	520	59	472	62	496
ITEM NO.258 Supplying, erecting, testing & commissioning of 3 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf ,single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	1	Each	52600	52600	51298	51298	53786	53786
ITEM NO.259 Supplying and erecting 12 V/65Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete CSR 3-8-11	5	Each	6900	34500	6683	33415	7007	35038
ITEM NO.260 Supplying, erecting, testing & commissioning of any size electrolyte aluminium patti or bar in bus bar chamber / in panel or any other purpose, 500 V with require capacity 99.9% aluminium purity with E91E Grade as per IS 5082 & current density 0.8 A per sq mm with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. CP-BB CSR 6-2-11	20	kg.	750	15000	723	14460	758	15160
ITEM NO.261 Supplying, erecting, testing & commissioning metal work in CRCA sheet including Iron work for supports with fabrication of boxes, panel boards, etc. including cutting, bending, drilling, welding, riveting, treated with anti-rust treatment and painted with one coat of red lead paint and 2 coats of enamel paint or powder coating complete as per specification no. CP/SH/CR CSR 6-1-1	150	kg.	270	40500	261	39150	274	41100
ITEM NO.262 Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 36 ways, on iron frame/wooden board (Horizontal type) as per specification No. SW-SWR/MCBDB CSR 5-4-3	5	NOS	4250	21250	4118	20590	4318	21590
ITEM NO.263 Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete CSR 1-6-1	50	NOS	75	3750	72	3600	75	3750
ITEM NO.264 Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-2	50	NOS	115	5750	108	5400	113	5650
ITEM NO.265 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete CSR 1-6-11	50	NOS	195	9750	186	9300	195	9750
ITEM NO.266 Supplying and erecting modular type 3 pin 6A multi socket with safety shutter on provided plate and box with wiring connections complete. CSR 1-6-10	20	NOS	120	2400	116	2320	122	2440
ITEM NO.267 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-34	20	NOS	240	4800	231	4620	242	4840

ITEM NO.268 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-35	12	NOS	240	2880	234	2808	245	2940
ITEM NO.269 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-36	10	NOS	280	2800	269	2690	282	2820
ITEM NO.270 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-38	10	NOS	400	4000	389	3890	408	4080
ITEM NO.271 Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box. CSR 1-6-24	5	NOS	25	125	24	120	25	125
ITEM NO.272 Supplying, fixing, and configuring 48 Ports + 4 SFP combo, layer 2, GB managed ethernet switch, with web view compliant with IEEE 802.3 standards erected in provided rack complete CSR 19-4-20	1	NOS	152600	152600	148779	148779	155995	155995
ITEM NO.273 Supplying, erecting, testing and commissioning of 18HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete.CSR 3-11-7	2	NOS	485100	970200	473202	946404	496152	992304
ITEM NO.274 Supplying, erecting, testing and commissioning of 16HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable	6	NOS	466800	2800800	455315	2731890	477398	2864388

shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-6									
ITEM NO.275 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-5	6	NOS	428500	2571000	417935	2507610	438205	26292.30	
ITEM NO.276 Supplying, erecting, testing and commissioning of 12HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-4	2	NOS	329700	659400	321588	643176	337185	674370	
ITEM NO.277 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper	6	NOS	310900	1865400	303287	1819722	317996	1907976	

condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-3									
ITEM NO.278 Supplying, erecting, testing and commissioning of 7HP to 8HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-2	1	NOS	296500	296500	289164	289164	303188	303188	
ITEM NO.279 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation CSR 3-11-22	35	NOS	40500	1417500	39451	1380785	41364	1447740	
ITEM NO.280 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 2.0TR (618 cfm) to 2.3TR (671 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-20	23	NOS	39000	897000	38002	874046	39845	916435	
ITEM NO.281 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR	6	NOS	38600	231600	37640	225840	39466	236796	

(618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation CSR 3-11-19									
ITEM NO.282 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for costal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56	9	NOS	66300	596700	64592	581328	67725	609528	
ITEM NO.283 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10.0TR (8200 cfm) Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power, having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 1236 CFM / 8.0TR CSR 3-11-59	4	NOS	96300	385200	93866	375464	98419	393676	
ITEM NO.284 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 6.5TR Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power, having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 988 CFM / 6.0TR CSR 3-11-58	1	NOS	76400	76400	74475	74475	78087	78087	
ITEM NO.285 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with	105	NOS	2750	288750	2662	279510	2791	293055	

OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-89									
ITEM NO.286 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.CSR 3-11-90	140	NOS	2550	357000	2487	348180	2608	365120	
ITEM NO.287 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 28.6mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-91	200	NOS	2500	500000	2435	487000	2553	510600	
ITEM NO.288 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22.2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92	310	NOS	1700	527000	1634	506540	1713	531030	
ITEM NO.289 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-93	350	NOS	1350	472500	1272	445200	1334	466900	
ITEM NO.290 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges,	340	NOS	1150	391000	1119	380460	1173	398820	

strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-94									
ITEM NO.291 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.CSR 3-11-95	180	NOS	860	154800	831	149580	871	156780	
ITEM NO.292 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-96	340	NOS	720	244800	700	238000	734	249500	
ITEM NO.293 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-97	45	NOS	560	25200	544	24480	570	25650	
ITEM NO.294 Supplying and installation of high pressure grade required size copper connection Y or T- Joints/refnut complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system. CSR 3-11-86	90	NOS	6300	567000	6144	552960	6442	579780	
ITEM NO.295 Providing and fixing on walls/ ceiling/ floor 50mm dia.CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	100	RMT	800	80000	778.05	77805	816	81600	
ITEM NO.296 Providing and fixing on walls /ceiling/ floor 40mm dia.CPVC pipe with necessary fittings,remaking good the demolished	150	RMT	590	88500	565.95	84892.5	593	88950	

portion etc. complete. Pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59									
ITEM NO.297 Providing and fixing on walls/ ceiling/ floor 32mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.58	200	RMT	465	93000	452.55	90510	475	95000	
ITEM NO.298 Providing and fixing on walls/ ceiling/ floor 25mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete.Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.57	300	RMT	405	121500	393.75	118125	413	123900	
ITEM NO.299 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CRCR 6-1-2	1750	SMT	1550	2712500	1482	2593500	1554	2719500	
ITEM NO.300 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-3	200	SMT	1550	310000	1503	300600	1576	315200	
ITEM NO.301 Supply, fabrication, installation and testing of flexible canvas connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	15	NOS	3050	45750	2952	44280	3095	46425	
ITEM NO.302 Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	1500	SMT	1100	1650000	1048	1572000	1099	1648500	
ITEM NO.303 Providing and applying of acoustic insulation for air ducts with 25mm thick, 48kg/cu.m fiber glass faced with RP tissue and covered with 26SWG perforated aluminium sheets complete. CSR 3-11-84	150	SMT	1250	187500	1191	178650	1249	187350	
ITEM NO.304 Supplying, installing and testing of 25 mm thick underdeck insulation. Insulation material shall be Closed Cell Elastomeric Nitrile Rubber. Thermal conductivity of insulation material shall not exceed 0.035 W/(m.K) at mean temperature of 0°C as per EN 12667. Moisture Diffusion Resistance Factor or 'μ' value of insulation material shall be minimum 7,000 without any external barrier as per EN 12086. The insulation shall have fire performance such that it passes Class 1 as per BS476 Part 7 for surface spread of flame as per BS 476 and also pass Fire Propagation requirement as per BS476 Part 6 to meet the Class 'O' Fire category as per 1991 Building Regulations (England & Wales) and the Building Standards (Scotland) Regulations 1990 The insulation material shall have fire performance of VO, HB as per UL 94, 1996. Material should be FM (Factory Mutual), USA approved. The	2335	SMT	1250	2918750	1215	2837025	1274	2974790	

insulation material shall be dust and fibre free Approved MR									
ITEM NO.305 Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45° CSR 3-11-88	200	JOB	1400	280000	1364	272800	1430	286000	
ITEM NO.306 Supply, installation, testing and commissioning of volume control box with collar for control damper of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-81	8	SMT	6450	51600	6265	50120	6569	52552	
ITEM NO.307 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size. CSR 3-11-87	10	SMT	7150	71500	6948	69480	7285	72850	
ITEM NO.308 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	2	NOS	4900	9800	4750	9500	4980	9960	
ITEM NO.309 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	26	NOS	5650	146900	5500	143000	5767	149942	
ITEM NO.310 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	2	NOS	6700	13400	6500	13000	6815	13630	
ITEM NO.311 Aluminium Extruded Fresh Air & Exhaust Rain Protection Air Louvers with Bird screen Approved MR	6	NOS	12400	74400	12000	72000	12582	75492	
ITEM NO.312 Supplying and erecting iron work, sheet metal work consisting of MS sheets, various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the site engineer. (FOR OUT DOOR UNIT) CSR 6-1-19	550	KG	205	112750	196	107800	206	113300	
ITEM NO.313 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall integrated with provided fire alarm system. CSR 3-11-79	2	NOS	49800	99600	48544	97088	50898	101796	
ITEM NO.314 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	10	NOS	5450	54500	5268	52680	5524	55240	
ITEM NO.315 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining	10	NOS	16300	163000	15884	158840	16654	166540	

the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61									
ITEM NO.316 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	1	NOS	5500	5500	5352	5352	5612	5612	
ITEM NO.317 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 1400 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	1	NOS	5100	5100	4932	4932	5171	5171	
ITEM NO.318 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq mm (32 no. x 0.20mm dia) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 KV (Control cable) CSR 1-3-13	350	RMT	55	19250	50	17500	52	18200	
ITEM NO.319 Supplying and erecting HMSCV Conduit 20mm dia with PVC accessories on wall / ceiling as per specification no. WG-MA/CON. CSR 1-2-3	300	RMT	90	27000	84	25200	88	26400	
ITEM NO.320 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 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/CUCSR 7-2-32	80	RMT	410	32800	398	31840	417	33360	
ITEM NO.321 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 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 7-2-33	174	RMT	630	109620	605	105270	634	110316	
ITEM NO.322 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 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 7-2-34	54	RMT	890	48060	867	46818	909	49086	
ITEM NO.323 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	190	RMT	870	165300	846	160740	887	168530	
ITEM NO.324 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-6	200	RMT	610	122000	590	118000	619	123800	
ITEM NO.325 Supplying 6A 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-14	75	NOS	55	4125	53	3975	56	4200	
ITEM NO.326 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	4	NOS	5450	21800	5268	21072	5524	22096	
ITEM NO.327 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit	6	NOS	16300	97800	15884	95304	16654	99924	

having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61									
ITEM NO.328 Supplying and erecting SS enclosure of 1.6mm thick with detachable gland plate suitable for upto 100A MCCB. CSR 5-11-17	16	NOS	1050	16800	988	15808	1036	16576	
ITEM NO.329 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	9	NOS	2850	25650	2756	24804	2890	26010	
ITEM NO.330 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	7	NOS	2800	19600	2722	19054	2854	19978	
ITEM NO.331 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. CSR 5-6-6	7	NOS	3200	22400	3092	21644	3242	22694	
ITEM NO.332 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GLCSR 7-7-1	76	NOS	75	5700	73	5548	77	5852	
ITEM NO.333 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GL CSR 7-7-2	18	NOS	100	1800	93	1674	98	1764	
ITEM NO.334 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-GL CSR 7-7-3	10	NOS	190	1900	185	1850	194	1940	
ITEM NO.335 Supply, installation, testing and commissioning air curtain of 6feet width having air throw velocity of 21 m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-76	12	NOS	23400	280800	22785	273420	23890	286680	
ITEM NO.336 Supply, installation, testing and commissioning air curtain of 4feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-75	10	NOS	20200	202000	19616	196160	20567	205670	
ITEM NO.337 Providing & erecting 4 Pole MCCB of 200A,415V capacity with short circuit rating 25 kA (Ics=100% of Icu) adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact and MCCB should have phase barriers both sides, in provided enclosure on iron /GI frame as per specification no. SW-SWR/MCCB CSR 5-5-2	1	NOS	11200	11200	10832.4	10832.4	11358	11358	
ITEM NO.338 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity	4	NOS	7150	28600	6969.6	27878.4	7308	29232	

800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1									
ITEM NO.339 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 160A, open execution having staggered termination, phase barrier, shroud termination and terminal cover along with auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no. SW-SWR/COS. CSR 5-1-5	1	NOS	8950	8950	8729	8729	9152	9152	
ITEM NO 340 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) 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	20	RMT	330	6600	318	6360	333	6660	
ITEM NO.341 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 10 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 7-2-17	20	RMT	490	9800	478	9560	501	10020	
ITEM NO.342 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 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/ALCSR 7-1-18	10	RMT	520	5200	499	4990	523	5230	
ITEM NO.343 Preparing Lawn (30 cm. depth) - Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. 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, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, elinning rolling etc complete PARK AND GARDEN DSR	2614.45	SMT	710	1856259.5	692	1809199.4	726	1898090.7	
ITEM TO.344 Preparing flower Bed:-Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc. Complete. PARK AND GARDEN DSR	1052.758	SMT	710	747458.18	683	719033.714	716	753774.728	
ITEM NO.345 GARDEN SOIL Supplying on site garden soil well sieved 90% to pass through IS. sieve of 10 mm size free from 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 90 km. considered) PARK AND GARDEN DSR	942.62	CMT	870	820079.4	840	791800.8	881	830448.22	

Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag. (Wherever applicable)				0		0		0
ITEM NO.346 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupresus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	150	NOS	55	8250	50	7500	52	7800
ITEM NO.347 Palm Varieties (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8Ft PARK AND GARDEN DSR	90	NOS	1350	121500	1300	117000	1363	122670
ITEM NO.348 Plants required for Landscaping: (Euphorbia, Hemelia, Malpbepra, Mussanda, Ticoma, Song of India, Golden Bamboo, Buddhas Bamboo, Goiden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	150.00	NOS	285	42750	275	41250	288	43200
ITEM NO. 349 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete.PARK AND GARDENDSR	420.00	SMT	670	281400	652	273840	684	287280
ITEM NO. 350 Common Ornamental Shrubs for Shrubbery (1ft grown in poly bag PARK AND GARDEN DSR	350.00	NOS	20	7000	15	5250	16	5600
ITEM NO.351 Codieum variegatum Hybrid croton 6 " to 9 " height excluding polybag MCGM R3-GW-5-37	90.00	NOS	50	4500	46	4140	48	4320
ITRM NO. 352 Samanea saman Rain tree 4' to 5 ' height excluding polybag MCGM R3-GW-5-295	90	NOS	85	7650	81	7290	85	7650
ITEM NO. 353 Roheo discolor Rhoeo Nana 4" to 6" height excluding polybag MCGM R3-GW-5-145	45	NOS	15	675	12	540	13	585
ITEM NO. 354 Roheo discolor Rhoeo Tall 4" to 6" height excluding polybag MCGM R3-GW-5-146	120	NOS	25	3000	23	2760	24	2880
ITEM NO.355 Delonix regia Gulmohar 4' to 5 ' height excluding polybag MCGM R3-GW-5-261	50	NOS	85	4250	81	4050	85	4250
ITEM NO.356 Verbena 6 " to 9 " height excluding polybag MCGM R3-GW-5-158	120	NOS	20	2400	17	2040	18	2160
ITEM NO.357 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding polybag MCGM R3-GW-5-40	120	NOS	25	3000	23	2760	24	2880
ITEM NO.358 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding polybag MCGM R3-GW-5-39	120	NOS	25	3000	23	2760	24	2880
ITEM NO.359 Mangifera indica Mango 4' to 5 ' height excluding polybag MCGM R3-GW-5-284	50	NOS	150	7500	144	7200	151	7550
ITEM NO.360 P.V.C. pipe 15mm dia.10kg/cm2 pressure(class IV) SSR 178/535	200	RMT	35	7000	33.6	6720	35	7000
ITEM NO.361 P V C. pipe 20mm dia.10kg/cm2	150	RMT	65	9750	63	9450	66	9900

pressure(class IV) SSR 179/535									
ITEM NO.362 P.V.C pipe 25 mm dia.10kg/cm2 pressure(class IV) SSR 180/535	300	RMT	90	27000	84	25200	88	26400	
ITEM NO.363 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.55	250	RMT	290	72500	279.3	69825	293	73250	
ITEM NO.364 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.56	250	RMT	335	83750	325.5	81375	341	85250	
ITEM NO.365 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.SSR 42.57	210	RMT	405	85050	393.75	82687.5	413	86730	
ITEM NO.366 Providing and fixing 50mm diameter water meter with non-return valve including strainer, sockets/ union nut and including water meter box making locking arrangements and lock. [Without chamber]. SSR 41.30	2	NOS	16800	33600	16328.55	32657.1	17120	34240	
ITEM NO.367 Supplying and erecting GI pipe 15 mm dia. 'B' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-1	45	RMT	195	8775	187	8415	196	8820	
ITEM NO.368 Supplying and erecting ISI mark GI pipe 20 mm dia 'B' class at position with accessories complete as per specification no. CW- PLB/GP CSR 16-5-2	65	RMT	245	15925	235	15275	246	15990	
ITEM NO.369 Supplying and erecting ISI mark GI pipe 25 mm. dia. 'B' class at position with accessories complete. Specification no. CW- PLB/GP. CSR 16-5-3	55	RMT	340	18700	327	17985	343	18865	
ITEM NO.370 Supplying and erecting ISI mark GI pipe 32 mm dia 'B' class at position with accessories complete. Specification no. CW-PLB/GP. CSR 16-5-4	50	RMT	395	19750	381	19050	399	19950	
ITEM NO.371 Supplying and erecting ISI mark GI pipe 40 mm. dia. 'B' class at position with accessories complete. Specification no. CW- PLB/GP CSR 16-5-5	25	RMT	445	11125	433	10825	454	11350	
ITEM NO.372 Supplying and erecting 25 mm dia. gun metal sluice valve at position with necessary materials complete. CSR 16-6-13	2	NOS	930	1860	903	1806	947	1894	
ITEM NO.373 Supplying and erecting 40 mm. dia. gun metal sluice valve at position with necessary materials complete. CSR 16-6-14	3	NOS	1800	5400	1737	5211	1821	5463	
ITEM NO.374 Ball valves for 50mm dia. SSR 294/538	8	NOS	1750	14000	1676.85	13414.8	1758	14064	
ITEM NO.375 Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I.	6	NOS	910	5460	884	5304	927	5562	

coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF FFA/ARV CSR 13-8-13									
ITEM NO.376 Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfе seat ring, solvent weld - 50 mm. MCGM GW-4-8-a	2	NOS	2650	5300	2563	5126	2687	5374	
ITEM NO.377 Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfе seat ring, solvent weld - 75 mm. MCGM GW-4-8-b	1	NOS	7450	7450	7229	7229	7580	7580	
ITEM NO.378 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete. SSR 42.52	40	RMT	850	34000	827.4	33096	868	34720	
ITEM NO.379 Providing and fixing 75 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete SSR 42.51	60	RMT	660	39600	637.35	38241	668	40080	
ITEM NO.380 R.C.C pipe Np2 class 150mm dia. 2m long SSR 853/541	10	RMT	375	3750	363.3	3633	381	3810	
ITEM NO.381 Light weight impact type sprinkler with SS retraction spring, 1/2" m threaded inlet full circle with bayonet nozzle 2.5 x 1.8 mm giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, 9 x 12 m, 10 x 12 m or 12 x 12 m. operating pressure 3 kgf. IS:12232-1 MCGM GW-4-4-d	30	NOS	305	9150	294	8820	308	9240	
ITEM NO.382 Modular sprinkler with plastic stake assembly -operating pressure 1.5 to 3 kgf. flow rate 25 to 400 lph. with nozzle for minimum 90% distribution uniformity at specified spacing MCGM GW-4-4-b	5	NOS	75	375	73	365	77	385	
ITEM NO. 383 Sand Filter 800 Filter, Manufactured by simultaneously injecting fiber and resin. Fitted with PVC collectors, diffuser, pressure gauge, manual air bleed and drain valve. 1.5" PVC Multiport valve and Initial Charge of Filter Media. Make: Pentair and Equivalent Approved MR	3	NOS	87000	261000	84835	254505	88950	266850	
ITEM NO.384 Pump for Pool Filter Type : Basket Strainer Hose Power : 4-6 HP Make : Leo and Equivalent Approved MR	3	NOS	63700	191100	62126	186378	65139	195417	
ITEM NO.385 Suction Sweeper with Maintenance Kit: Vacuum Head, Floating Hose of 9 Meters Length, 2 x 2.4 M Length Telescopic Handle, Leaf Rake, 18" Wall Brush, pH and Chlorine Test Kit. Make : Emaux and Aarav Enterprises Approved MR	3	SET	30800	92400	30019	90057	31475	94425	
ITEM NO.386 Drain Cover Make : Emaux Approved MR	2	NOS	2450	4900	2350	4700	2464	4928	
ITEM NO.387 Suction Cover Make : Emaux Approved MR	2	NOS	2450	4900	2350	4700	2464	4928	
ITEM NO.388 Vacuum Nozzle Make : Emaux Approved MR	2	NOS	1100	2200	1045	2090	1096	2192	
ITEM NO.389 Floor Inlet Make : Emaux Approved MR	6	NOS	940	5640	914	5484	958	5748	

ITEM NO.390 Panel Board For LED Lights(Warm Colour) Made from Mild Steel Sheets to house Drivers with controls. Make : Aarav Enterprises Approved MR	16	NOS	9650	154400	9398	150368	9854	157664
ITEM NO.391 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 minimum 2 Year warranty as per specification No FG- ODF/BL.CSR 2-3-19	90	NOS	6300	567000	6115	550350	6412	577080
ITEM NO.392 Supplying and erecting Uplighter Wall lights (OWL 406) Wall lights led:- 2X18w/ 2X40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	20	NOS	4650	93000	4500	90000	4718	94360
ITEM NO.393 Fountain (SP-ME-TS-75) MCGM GW-4-5				0		0		0
Foam Bubble/ Geyser jet fitted on universal ball joint MCGM GW-4-5-b	6	NOS	6100	36600	5914	35484	6201	37206
SS 304 Framed mesh cover MCGM GW-4-5-b	3	NOS	17400	52200	16936	50808	17757	53271
Monobloc Submersible Pump MCGM GW-4-5-c	1	NOS	67800	67800	66128	66128	69335	69335
IP 68 TYPE P/rogramable submersible Lights MCGM GW-4-5-d	8	NOS	31400	251200	30579	244632	32062	256496
Fabricated MS powder coated control panel MCGM GW-4-5-e	1	NOS	26100	26100	25404	25404	26636	26636
Necessary G.I/ PVC plumbing pipes, fittings , valves MCGM GW-4-5-f	2	SET	52100	104200	50809	101618	53273	106546
Necessary electrical cabling MCGM GW-4-5-g	2	JOB	43500	87000	42340	84680	44393	88786
Spot Light MCGM GW-4-5-h	10	NOS	1950	19500	1882	18820	1973	19730
ITEM NO.394 Installation Programing Caliberation with excecution Digital Analogue Semi Mixing Console Sound Craft SI Impact/ 32 Input Approved MR	1	NOS	332500	332500	324300	324300	340029	340029
ITEM NO.395 Installation Programing Caliberation with excecution Instrumental Microphone Shure SM 57 Approved MR	1	NOS	10300	10300	10005	10005	10490	10490
ITEM NO.396 Installation Programing Caliberation with excecution Vocal Microphone Shure SM 58 Approved MR	1	NOS	11700	11700	11385	11385	11937	11937
ITEM NO.397 Installation Programing Caliberation with excecution Wirelless Handhel Microphone Shure SVX24IN/PG58 Approved MR	1	NOS	26500	26500	25806	25806	27058	27058
ITEM NO.398 Installation Programing Caliberation with excecution Wirelless Lapel Microphone Shure SVX14/CVL Approved MR	1	NOS	27600	27600	26910	26910	28215	28215
ITEM NO.399 Installation Programing Caliberation with excecution Goose Neck Microphone Shure MX 418/C Approved MR	1	NOS	28700	28700	27970	27970	29327	29327
ITEM NO.400 Installation Programing Caliberation with excecution Hi Net Microphone for Chorus PGA 81 Approved MR	1	NOS	12700	12700	12351	12351	12950	12950

ITEM NO.401 Installation Programing Caliberation with execution Genreal Purpose Microphone Shure PGA 58 Approved MR	1	NOS	5950	5950	5796	5796	6077	6077
ITEM NO.402 Installation Programing Caliberation with execution Drumkit Microphone PGDMK -7 Approved MR	1	SET	53100	53100	51750	51750	54260	54260
ITEM NO.403 Installation Programing Caliberation with execution Satge Box Approved MR	14	NOS	10700	149800	10350	144900	10852	151928
ITEM NO.404 Installation Programing Caliberation with execution Amphenol XLR & RCA Connector Approved MR	1	SET	35400	35400	34500	34500	36173	36173
ITEM NO.405 Installation Programing Caliberation with execution 32 U WQ Exhaust Rack With Shelf & Power Approved MR	1	NOS	51700	51700	50370	50370	52813	52813
ITEM NO.406 Installation Programing Caliberation with execution Snake Cables & Connector Percon Approved MR	75	RMT	1800	135000	1725	129375	1809	135675
ITEM NO.407 Installation Programing Caliberation with execution Speaker Cable 2.5 sqmm Approved MR	150	RMT	230	34500	220	33000	231	34650
ITEM NO.408 Installation Programing Caliberation with execution Speaker Cable 4.00 Sqmm Approved MR	300	RMT	400	120000	390	117000	409	122700
ITEM NO.409 Installation Programing Caliberation with execution Sommer Interconnect Cables Approved MR	1	SET	42500	42500	41400	41400	43408	43408
ITEM NO.410 2000W active, portable loudspeaker system; 10-inch woofer; 1.0-inch compression driver; 90 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. Approved MR	4	NOS	138000	552000	134620	538480	141149	564596
ITEM NO.411 18" ported, 1500W subwoofer with integrated casters. Approved MR	2	NOS	276800	553600	269985	539970	283079	566188
ITEM NO.412 2000W active portable loudspeaker system; 12-inch woofer; 1.0-inch compression driver; 75 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. INCLUDES 1x EU CABLE IN CARTON Approved MR	4	NOS	139800	559200	136300	545200	142911	571644
ITEM NO.413 2000W active, portable loudspeaker system; 12-inch woofer; 1.0-inch compression driver; 105 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. INCLUDES 1x EU CABLE IN CARTON Approved MR	2	NOS	154100	308200	150282	300564	157571	315142
ITEM NO.414 Unified Series Core with 24 local I/O channels, 128x128 network I/O channels, dual LAN ports, telephone POTS, 16x16 GPIO, 16 AEC channels, 1RU Approved MR	1	NOS	442500	442500	431595	431595	452527	452527
ITEM NO.415 4 channels, 2000 watts burst power/ch @ 4Ω. Q-LAN network input from Q-Sys Core Approved MR	2	PC	312800	625600	305100	610200	319897	639794
ITEM NO.416 4 channels, 1400 watts burst power/ch @ 4Ω. Q-LAN network input from Q-Sys Core Approved MR	1	PC	253200	253200	246980	246980	258959	258959
ITEM NO.417 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling.	2185.35	CMT	225	491703.75	217.35	474985.8225	228	498259.8

ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means SSR 21.02 / 153								
ITEM NO 418 Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	50	CMT	280	14000	270.9	13545	284	14200
ITEM NO 419 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m.SSR in Statement C 1 (Page 560)	2235.35	CMT	485	1084144.75	468.37	1046970.88	491	1097556.85
ITEM NO 420 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	447.07	CMT	130	58119.1	126	56330.82	132	59013.24
ITEM NO 421 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. SSR 21.37 / 157	4082.55	CMT	1250	5103187.5	1212.59	4950459.305	1271	5188921.05
ITEM NO 422 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR 21.38 / 157	404.915	CMT	3350	1356465.25	3240.42	1312094.664	3398	1375901.17
ITEM NO 423 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 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) (PCC) SSR 24.10 / 176	296.6875	CMT	8650	2566346.88	8391.86	2489759.964	8799	2610553.31
ITEM NO 424 Providing and laying Cast in situ/Ready Mix cement concrete M-30 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 stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surface 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) SSR 25.15/178	225.2295	CMT	9400	2117157.3	9130.61	2056482.725	9573	2156122
ITEM NO 425 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal fo R.C.C. columns as per detailed designs and drawing or as directed including steel centering.	84.96	CMT	16600	1410336	16143.56	1371556.858	16927	1438117.92

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) SSR 25.35/180									
ITEM NO 426 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel 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 fine aggregate (Crushed sand VSI Grade)SSR 25.54 /181	128.52	CMT	15000	1927800	14552.81	1870327.141	15259	1961086.68	
ITEM NO 427 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, 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) SSR 25.74 / 183	89.735	CMT	16800	1507548	16300.01	1462681.397	17091	1533660.89	
ITEM NO 428 Providing and fixing in position TMT - FE - 500 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. SSR 26.33 / 188	103	MT	96600	9949800	94188.15	9701379.45	98756	10171868	
ITEM NO 429 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete SSR 27.05 / 197	680.9391 45	CMT	10300	7013673.1 9	10027.16	6827885.757	10513	7158713.23	
ITEM NO 430 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 1 kg per 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 SSR 32.11 / 209	4142.63	SMT	720	2982693.6	700.64	2902492.283	735	3044833.05	
ITEM NO 430A Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	630	SMT	315	198450	305.4	192402	320	201600	

ITEM NO 431 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface, scaffolding etc. complete. SSR 32.32/211	3372.63	SMT	680	2293388.4	659.4	2223912.222	691	2330487.33
ITEM NO 432 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32.27/210	762.5	SMT	155	118187.5	151.2	115290	159	121237.5
ITEM NO 433 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete. (Weight of 5.5 kg/sq.m.).SSR 38.04/233	50	SMT	940	47000	913.5	45675	958	47900
ITEM NO.434 Providing, fixing transporting and lifting upto 75ft of 80/114 mm corrugated Jinroc Roof Panel: Continuous line Mineralwool / Rockwool insulated corrugated panel having trapezoidal profile with max crest height of 34mm at maximum pitch of 250mm with Top & Bottom 0.5mm TCT PPGI sheet. The stonewool insulation shall be non-combustible grade of density 100 Kg/m ³ with permissible tolerance as per IS 8183 and core shall be certified by EUCEB as noncarcinogenic, bio-soluble. The insulation material should be completely non-combustible having class A1 as per EN13501-1, shall have melting point of more 10000C as per ASTM E794, approved by fire test standards UL 723 and ASTM E84, the SDI and FSL value should be 0 as per the UL 723 testing. The Stonewool slab shall be cut into Lamella, rotated & uniformly glued through online oscillation process using PU based glue of reputed make and ensure high adhesive uniformity & proper bonding with sheet. Panel shall be joined together using tongue & groove joinery with max tolerance of 3mm and shall be packed online before the transportation to avoid scratches. The top profiled sheet of 0.5mm TCT PPGI and bottom Micro Ribbed of 0.5mm PPGI								
Sheet shall be of minimum 240 MPa RMP 120 GSM without guard film, 5- 7microns epoxy primer on both side of the sheet and polyester top coat 20-25 micron. The sheet shall have plastic protective guard film of minimum 25 micron to avoid scratches during transportation - Kingspan Jindal. Providing and fixing Flashing for aesthetic and support (girth up to 600 mm) Providing and fixing Gutter (girth up to 900 mm), (PVC nozzle length 300mm) (PPGI - 0.5mm thick). Fire Rated 2 Hr Approved MR	889.2	SMT	6800	6046560	6609	5876722.8	6930	6162156
ITEM NO 435 Providing Autoclaved Aerated Concrete Block masonry of Ecolite or equivalent make conforming to IS.2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock 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 1) - 1972) SSR 27.15/198	58.512	CMT	7950	465170.4	7707	450951.984	8081	472835.472
ITEM NO 436 Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt..	7.2	SMT	5950	42840	5777.1	41595.12	6057	43610.4

Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box SSR 39.41 / 253								
ITEM NO 437 a) Supplying and fixing in position b) Powder CoatedAluminium four track sliding windows with outer frame made from section of over all size 122 mm x 45 mm, bottom section with drain section track weighing 1.83Kilogramper metre and top and side section of size 122x 31.75 mm weighing 1.15Kilogramper running metre with shutter sections made of 18 mm x 40 mm size having average weight of 0.6Kilogramper running metre (or as required size) with change in proportionate weight, with 6 mm float glass in three equal panels and alluminium coated stainless steel mosquito net in one (2/3 of opening) panel fixed with new neoprene gasket, shutters to be provided with nylon encased stainless steel rollers, necessary locks and handles complete. SSR 39.45B/255	216	SMT	7150	1544400	6962.55	1503910.8	7300	1576800
ITEM NO 438 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc. complete. b) With powder coating Note Whilearriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered.SSR 39.55/257	10.8	SMT	6800	73440	6596.1	71237.88	6916	74692.8
ITEM NO 439 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39.53B/257	108	SMT	6200	669600	6001.8	648194.4	6293	679644
ITEM NO.440 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below: S.No. Name of the test Test Method Specified Parameter 1 Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2 Vicat Softening Temperature EN ISO - 306 Shall not be < 750C 3 Charpy Impact Strength EN ISO - 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity EN ISO - 178 Shall not be < 2200 N/mm2 5 Mean Breaking Stress for welded corner (a) For the tensile bending test EN - 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS:4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7				0		0		0

Classification I 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa 11 Tensile Strength EN ISO 527 Shall not be < 30 MPa.								
All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In- Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54.09/517			0		0		0	
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	60	SMT	11300	678000	11019.75	661185	11554	693240
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm.	64.8	SMT	10400	673920	10060.05	651891.24	10548	683510.4
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	24	SMT	9000	216000	8759.1	210218.4	9184	220416
ITEM NO 441 Extra For Double Glazed 8 mm thick plain / frosted / tinted glass MCGM R3-CS-AW-15-f	324	SMT	2600	842400	2510	813240	2632	852768
ITEM NO 442 Providing and laying telephone black / Amba White / Cadburybrown / Ruby 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/moulding the sharp edges wherever necessary, curing, etc. complete. SSR 33.68/220	178.11	SMT	4750	846022.5	4623.29	823454.1819	4848	863477.28
ITEM NO 443 Providing and laying full body heavy duty, scratch resistant, high abrasion resistant vitrified mirror / glossy/ matt finish tiles for flooring decorative type having size 800 X 800, 1000 X 1000, 800 X 2400 mm (approved size) etc. of 10 to 12 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, approved colour grout, curing and clearing etc. complete. Approved MR	1280	SMT	4200	5376000	4069	5208320	4266	5460480
ITEM NO 444 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thickness 30 MM), with base of 8 mm thk Marine grade plywood. Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	50	SMT	11300	565000	10980	549000	11513	575650
ITEM NO.445 Wooden floor tiles (including skirting) Providing & laying Hardwood flooring (strip format)with standard specifications, Board constructedwith 3 layers, Top layer of 3 to 6 mm thk veneer, Core material of high density fiber board, and balancing layer, Wood species of as per selection (oak, Walnutm Teak, Ash and other exotic species). The surface to be pre- finished with UV hardner acrylic hardner, free of formaldehyde and solvents. Finish of Top layer to be Matt or Satin or brushed having resistance to house hold chemicals & stains	100	SMT	6850	685000	6645	664500	6967	696700

and not to change colour. RA Spec. As directed by Engineer-In-Charge.									
ITEM NO446 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material of Ambuja / Mor Chap or equivalent make) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc complete SSR 32.30/211	254.4	SMT	620	157728	600.6	152792.64	630	160272	
ITEM NO 447 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR 40 01 / 264	720	SMT	2300	1656000	2201.85	1585332	2309	1662480	
ITEM NO. 448 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR									
Gym equipment									
Forearm twirl	6	NOS	31600	189600	30791	184746	32284	193704	
SIT up board	6	NOS	56500	339000	55066	330396	57737	346422	
Air walker	6	NOS	76500	459000	74603	447618	78221	469326	
8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+aerial stroller)	6	NOS	491100	2946600	479004	2874024	502236	3013416	
ITEM NO.449 Removing cement tiles,or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46.19/297	150	SMT	50	7500	47.25	7087.5	50	7500	
ITEM NO.450 Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. SSR 46.09/296	100	CMT	365	36500	351.75	35175	369	36900	
ITEM NO.451 Dismantling stone masonry in lime or cement mortar including stacking the materials as directed with all leads, lifts etc. SSR 46.11/296	50	CMT	410	20500	399	19950	418	20900	
ITEM NO.452 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete.SSR 46.29/297	168	CMT	1600	268800	1523.55	255956.4	1597	268296	
ITEM NO 453 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthen 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 10.0 to 19.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) SSR 12.24/86	2500	HRS	245	612500	234.15	585375	246	615000	
ITEM NO. 454 BAFFLE WOOD CEILING Suspended wood baffles with the help of cables upto 6mm/required MS/GI/Aluminium section from the roof having acoustic properties and Elongated various shape baffles made with High Density Board, Solid Wood Durable Coating, Corrosion Resistant, Tamper Proof with approved Finish material Completed as per specification and drawings as per Engineer in charge Approved MR	264	SMT	16100	4250400	15650	4131600	16409	4331976	
ITEM NO.455 Providing & Fixing in position, Acoustical Panelling made from 12mm wp Ply wood &	312.5	SMT	5500	1718750	5344.5	1670156.25	5604	1751250	

1.5mm laminate on, 50 x 50 mm Sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut-Outs, decorative mouldings / finishing-items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects.including all materials labour,finishing etc complete SSR 51.04/352								
ITEM NO.456 Providing & Fixing in position, Fabric wrapped Compressed polyester fibre nonwoven 9mm panels above the wood wool board panelling or existing sal wood frame, using adhesive, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour,finishing etc complete SSR 51.11/354	337.5	SMT	3200	1080000	3097.5	1045406.25	3248	1096200
ITEM NO.457 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size: 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4 40 mm thick and cement slurry, 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 as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPERATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S. & P.) or Equivalent MCGM R3-RW-3-38	250	SMT	1150	287500	1090	272500	1143	285750
ITEM NO. 458 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. MCGM R3-RW-3-37	360	SMT	3650	1314000	3547	1276920	3719	1338840
ITEM NO 459 Providing & fixing in the footpath Combi-Paver having average crushing strength not less than 80 N/mm ² as per technical specifications and IS Code 15658:2006, shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer.NOTE: THIS ITEM SHOULD BE OPERATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.& P.) or Equivalent.Approved MR	910	SMT	1900	1729000	1850	1683500	1940	1765400
ITEM NO 460 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	406	SMT	1950	791700	1873.29	760555.74	1964	797384

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 % solidsclear sealer @ 150 to 250 gms per sqm using surface roller and protecting from fallingdust,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 withdepth 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 superintending Engineer will be necessary) SSR 54.01 / 513									
ITEM NO 461 Providing and casting in situ or precast tapering R C C. M-20 Semi 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 Incharge. Using Concrete Batching and Mixing Plant SSR 7.05/69	450	RMT	2450	1102500	2368.01	1065604.5	2483	11173.80	
ITEM NO 462 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 titanium oxide. and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler. Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufacturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/ 346	2871.88	SMT	405	1163111.4	390.6	1121756.328	410	1177470.8	
ITEM NO 463 Supply and Installation of 65" Crystal 4K UHD Smart TV Make Samsung.sony Complete Approved MR	5	NOS	160000	800000	156000	780000	163566	817830	
ITEM NO 464 Supply and Installation of Computer with monitor 21" Intel i7,Ram 16 GB ,Storage Graphics 4GB capable for Running software for all software .Storage 1 TB +256 SSD With Keyboard Mouse CompleteApproved MR	5	NOS	279900	1399500	273000	1365000	286241	1431205	
ITEM NO 465 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm.HDMI port. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears. complete as per specification provided by engineer in charge Approved MR	4	NOS	184600	738400	180000	720000	188730	754920	
ITEM NO 466 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears.	3	NOS	830400	2491200	810000	2430000	849285	2547855	

complete as per specification provided by engineer in charge Approved MR								
ITEM NO.467 Supplying and fixing Stone sculpture/statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	1	JOB	1665800	1665800	1625000	1625000	1703813	1703813
ITEM NO.468 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	13550	KG	250	3387500	242	3279100	254	3441700

वरील कामी मे. गजानन कंस्ट्रक्शन यांनी रु.20,03,68,741/- (अंदाजपत्रकिय दराची) निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05 सप्टेंबर 2024 अन्वये सदर कामास तत्वतः मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

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 असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.


(दिपक खाबित)

शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक ०६ | ०३ | २०२५

प्रकरण क्र. (४५९) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (४५९)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129160_1	मिरा भाईंदर महानगरपालिका हद्दीतील स्व. प्रमोद महाजन कलादालनाचे उर्वरित काम करणे. (मुलभुत सोई सुविधांचा विकास)	रु.20,03,68,741/-	मे. गजानन कंस्ट्रक्शन मे. बिकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.

Item Description	Qty	Unit	Gajanan Construction				Bitcon India Infrastructure Developers Pvt Ltd	
			Rate	Amount	Final Rate	Final Amount	Rate	Amount
ITEM NO.01 Providing and Fixing toilet set for differently Abled persons consist of Floor Mounted white vitreous china water Closet including 6 litre capacity white vitreous china flushing Cistern with raised soft - push button, white vitreous china wash basin of size 46 x 36 cm and one no SS 304 hinged rail 76 cms & three no SS 304 of (Grab Bar) 60 cm sall including cutting and making good the walls and floors wherever required, seat cover, cistern & wash basin fittings, nuts, bolts and gasketetc complete as per the direction of Engineer-In-charge. SSR NO 51.63 Spec. As directed by Engineer-In-Charge.	2	NOS	76200	152400	74319	148638	77923	155846
ITEM NO.02 (Staircase wall tile) Providing and laying Vitrified MATT finish having decorative type of size 1000 millimeter x 1000 millimeter of 8 to 10 millimeter thickness (on a existing flooring) with bonding chemical and confirming to ISI 5622-2006 (Group Bla) of approved make shade and pattern for flooring in required position laid on a bed of bonding chemical filling joints curing and cleaning etc complete. Spec. As directed by Engineer-In-Charge. SSR 33.61	468.216	SMT	2450	1147129.2	2352.14	1101309.582	2466	1154620.66
ITEM NO.03 Providing laying and fixing glass mosaic tiles in the wet areas like swimming pool, toilets etc of approved make, colour, pattern, size and thickness on the surface treated with waterproofing compound including backing coat of approved latex-modified thinset, jointing, filling the joints with non shrink neat cementitious coloured grout, curing, ponding, finishing etc. complete as per manufacturers specifications and as directed by Engineer-in-charge (Bisazza Mosaic tile) MCGM R3-CS-FL-17	491.39	SMT	2400	1179336	2301	1130688.39	2413	1185724.07
ITEM NO.04 Aluminium Fins:- Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"x1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware , with labour inclusive. Approved MR	124.35	SMT	4700	584445	4560	567036	4781	594517.35

ITEM NO.05 Aluminium Fins-Providing and Fixing Horizontal fins with 100 mm x 40 mm x 3 mm thick,(Triangle Concave Shape) Aluminum Angle sections powder coated of specification, distance between section will be 3 -4 inches & details as per drawing, Length and with all the accessories,hardwares, with labour all inclusive.Approved MR	80	SMT	5050	404000	4900	392000	5138	411040
ITEM NO.06 Providing and fixing Counter table L Shape (6.05m x 0.60 m +2.05 X 0.60 m) - 0.60 m width for main counter made of 18 mm thk Marine plywood including table top, drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete.location- audio visual operation room.Spec. As directed by Engineer-In-Charge (Face Area To be Measured) Approved MR	8.5	SMT	28800	244800	28000	238000	29358	249543
ITEM NO.07 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) - 0.60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete.location-atrium Approved MR Spec. As directed by Engineer-In-Charge.	7.2	SMT	69600	501120	67800	488160	71088	511833.6
ITEM NO.08 Providing and fixing Cabin table (2.1 m x 0.90 m) made of 18 mm thk Marine plywood including table top, with four drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	1.0	NOS	61600	61600	60000	60000	62910	62910
ITEM NO.09 Providing and fixing Cabin table (1.5 m x .75m)made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	3.0	NOS	39000	117000	38000	114000	39843	119529
ITEM NO.10 Providing and fixing Librarian table (1.8m x .75m)made of 18 mm thk plywood including table top,Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Spec. As directed by Engineer-In-Charge. Approved MR Spec. As directed by Engineer-In-Charge.	1.0	NOS	41600	41600	40500	40500	42464	42464
ITEM NO.11 Providing and fixing Issue Counter table (3.05 m x 0.75m) - 0.60 m width for main counter made of 18 mm thk plywood including table top,Side credenza with two drawers, two shutters main support, internal	2.3	SMT	37800	86940	36830	84709	38616	88816.8

supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. location- Library area Approved MR Spec. As directed by Engineer-In-Charge.								
ITEM NO.12 Providing and fixing Studio table (3.05 m x 0.90m) made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	4.6	SMT	24600	113160	23950	110170	25112	115515.2
ITEM NO.13 Providing & Supplying Rack for Magazines and New Arrivals (Size-1.2 m x 2.1 m) Location :- Audio library Approved MR Spec. As directed by Engineer-In-Charge.	2.0	NOS	15900	31800	15500	31000	16252	32504
ITEM NO.14 Providing & Supplying Audio Console Rack - (Size-0.60 m x 1.80 m) Approved MR Spec. As directed by Engineer-In-Charge.	4.0	NOS	24100	96400	23500	94000	24640	98560
ITEM NO.15 Providing & Supplying Slotted Angle Rack with 6-Shelf Shelving Unit Multipurpose Rack (Black) (72 X 30 X 18 Inch)(22 Gauge Shelf, 16 Gauge Angles. Approved MR Spec. As directed by Engineer-In-Charge.	21.6	SMT	8750	189000	8500	183600	8912	192499.2
ITEM NO.16 Providing & Supplying Display Rack made with MR grade Plywood & partly glazed with 10 mm thk toughned glass, 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	16.0	SMT	41600	665600	40500	648000	42464	679424
ITEM NO.17 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	86.2	SMT	19000	1637800	18500	1594700	19397	1672021.4
ITEM NO.18 Providing and fixing Free Standing Pedestal (Size-0.60 m x .060 m x .90 m) for Exhibition area Approved MR Spec. As directed by Engineer-In-Charge.	29.0	NOS	21100	611900	20500	594500	21494	623326
ITEM NO.19 Providing and supplying Reading table-Type 01 (size- .075 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	5.0	NOS	26700	133500	25990	129950	27251	136255
ITEM NO.20 Providing and supplying Reading table-Type 02 ((size- 1.50 M x 1.05 M) - MS frame and made of 18 mm thk plywood including	10.0	NOS	29300	293000	28500	285000	29882	298820

table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.									
ITEM NO.21 Providing and supplying Book rack straight with white laminate finish inside and exterior designer laminate finish and as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	49.632	SMT	26200	1300358.4	25500	1265616	26737	1327010.78	
ITEM NO.22 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge.	1.08	SMT	27600	29808	26830	28976.4	28131	30381.48	
ITEM NO.23 Providing and supplying Cafe table (Square shape) - with laminate finish (table size -out of 0.90 m x 0.90 m) All wooden surfaces finished with melamine polish with moulding finish. location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	27200	217600	26500	212000	27785	222280	
ITEM NO.24 Providing and supplying standard Bench seating (size -out of 3.00m x 0.60 m) . as shown in the drawings. location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	34400	172000	33500	167500	35125	175625	
ITEM NO.25 Providing and supplying standard High bench seating (size - out of 11.30 m x 0.60 m) . as shown in the drawings. location :- Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	6.582	SMT	17300	113868.6	16800	110577.6	17615	115941.93	
ITEM NO.26 Providing and supplying Center table - type 01 Table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	6	NOS	13200	79200	12800	76800	13421	80526	
ITEM NO.27 Providing and supplying Center table - (Square / Round shape) - with laminate finish (table size -out of 1.20 m x 1.20 m) All wooden surfaces finished with melamine polish with moulding finish. Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	18000	90000	17500	87500	18349	91745	
ITEM NO. 28 Providing and supplying Corner table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	5	NOS	13900	69500	13500	67500	14155	70775	
ITEM NO.29 Providing and fixing Metal body powder coated Cupboards (Size :- 0.90m X 0.50 m) with required Locking arrangements & adustable shelves. Make Godrej / Ruby Safe or equivalent . Approved MR Spec. As directed by Engineer-In-Charge.	3.78	SMT	21100	79758	20500	77490	21494	81247.32	
ITEM NO.30 Providing and fixing Luggage Racks (Size :- 1.2 mX .45m) made of 19mm thick ply shutters . finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	1.44	SMT	17000	24480	16500	23760	17300	24912	
ITEM NO.31 Providing and fixing Dressing Tables (Size :-0.60 m X .45m) with 2 sets of drawer & shutter below, made of 19mm thick ply shutters . finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications.	2.52	SMT	19000	47880	18500	46620	19397	48880.44	

Approved MRSpec. As directed by Engineer-In-Charge.									
ITEM NO.32 Providing and supplying Single bed (size- 1.95 m x 0.90 m) - made of 18 mm thk plywood including top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	4	NOS	30300	121200	29500	118000	30931	123724	
ITEM NO.33 Providing and supplying Side table (size- 0.60 m x 0.45m) with two drawers all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. In Suite rooms Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	14900	29800	14500	29000	15203	30406	
ITEM NO.34 Providing and fixing Entertainment table for Suite rooms. (TV UNIT) Approved MR Spec. As directed by Engineer-In-Charge.	1.2	SMT	17000	20400	16500	19800	17300	20760	
ITEM NO.35 Providing and fixing Full Height Wooden Partitions- Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughened glass, nesasary support frames as directed. Finishing complete in all respects with melamine polish to all surafaces & beads, etc. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	97.52	SMT	17000	1657840	16500	1609080	17300	1687096	
ITEM NO.36 Providing and fixing Screen Partition design for audio library Approved MR Spec. As directed by Engineer-In-Charge.	19.44	SMT	22100	429624	21500	417960	22543	438235.92	
ITEM NO.37 Providing and fixing Mirror Panelling with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work. Finished with veneer Border frame and melamine polish. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Basic cost of veneer Rs. 135/- per sq.ft. Approved MR Spec. As directed by Engineer-In-Charge.	104.275	SMT	5750	599581.25	5600	583940	5872	612302.8	
ITEM NO.38 Providing and fixing Acrylic Board panelling on wall Approved MR Spec. As directed by Engineer-In-Charge.	9.45	SMT	8500	80325	8260	78057	8661	81846.45	
ITEM NO.39 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved laminate finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	39.285	SMT	8000	314280	7800	306423	8178	321272.73	
ITEM NO.40 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved Veneer finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	181.305	SMT	10100	1831180.5	9800	1776789	10275	1862908.88	
ITEM NO.41 Providing and fixing Wall slat panelling on wall with 12mm thick commercial BWR plywood on ply support frame work with LED Finishing includes covering with wooden slat of approved on the outside of	39.12	SMT	8650	338388	8395	328412.4	8802	344334.24	

plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MRSpec. As directed by Engineer-In-Charge									
ITEM NO.42 Providing & Fixing in position, Acoustical Panelling made from Wood - wool board 20 mm on, 50 x 50 mm Sa l- wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut - Outs, decorative mouldings/finishing - items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour,finishing etc complete SSR :- 51.02 Spec. As directed by Engineer-In-Charge.	548.228	SMT	3700	2028443.6	3601.5	1974443.142	3776	2070108.93	
ITEM NO.43 Providing & Fixing in position, Acoustical Panelling made from Fabric wrapped Compressed polyester fibre non woven 9 mm panels on, 50 x 50 mm sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 gsm synthetic wool 50 mm thick with chickenmesh on wall side, including cost of required Cut - Outs, decorative mouldings / finishing - items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour,finishing etc complete SSR :- 51.01 Spec. As directed by Engineer-In-Charge.	259.475	SMT	4950	1284401.25	4819.5	1250539.763	5053	1311127.18	
ITEM NO.44 Providing & Fixing in position Acoustical Doors along with 150 x 150 mm teakwood frame, doors made from 50 mm Teak wood frame 600 x 600 c to c filled with 1000 Gsm synthetic wool 50 mm thick and 3 mm Tec sound from both sides, 12 mm water proof ply & veneer from both sides, including 150 mm heavy duty SS hinges (Geze / Dormaoreq.) 4 no each leaf, with Door-closer (Dorma / Gezeoreq.) including cost of required Cut-Outs, decorative mouldings / finishing - items / melamine polish & Scaffolding as per Architectural & Acoustical Design & Instructions & Complete in all as pects . including all materials labour,finishing etc complete SSR NO51.05 Spec. As directed by Engineer-In-Charge.	34.56	SMT	25600	884736	24885	860025.6	26092	901739.52	
ITEM NO.45 Providing & Arrangemnt of High Back, Synchronized Mechanism with Multiple Locking, Adjustable Armrest, Gaslift for Seat height adjustment, Standard 5-prong P/ Nylon Base with Leatherite Upholstery SSR NO51.40 Spec. As directed by Engineer-In-Charge.	2	NOS	18700	37400	18239.55	36479.1	19124	38248	
ITEM NO.46 Providing & Arrangemnt of Mid Back, Normal Syncro Mechanism, Fixed Armrest, Gaslift for Seat height adjustment, Standard 5-prong/Nylon Base with Leather Upholstery SSR NO51.42 Spec. As directed by Engineer-In-Charge.	10	NOS	10300	103000	10041.15	100411.5	10528	105280	
ITEM NO.47 Providing & Arrangemnt of Mid Back, ECOCTS Mechanism, Fixed Armrest, Gaslift for Seat height adjustment, Standard 5-prong P/Nylon Base with Fabric Upholstery SSR NO51.43 Spec. As directed by Engineer-In-Charge.	10	NOS	7050	70500	6846	68460	7178	71780	
ITEM NO.48 Providing and supplying Cafè Chairs Approved MR Spec. As directed by Engineer-In-Charge.	28	NOS	5650	158200	5500	154000	5767	161476	

ITEM NO.49 Providing and supplying Standard High Cafe Stools. as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	14	NOS	12700	177800	12380	173320	12980	181720
ITEM NO.50 Providing and supplying standard Reading chairs. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	42	NOS	4650	195300	4500	189000	4718	198156
ITEM NO.51 Providing and supplying standard Audio/ Reading wooden chairs. as shown in the drawings location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	17000	136000	16500	132000	17300	138400
ITEM NO.52 Providing and supplying standard Audio Console Stools. as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	6	NOS	10200	61200	9910	59460	10391	62346
ITEM NO.53 Providing and supplying standard Studio chairs. as shown in the drawings.location:- Library Approved MR Spec. As directed by Engineer-In-Charge.	32	NOS	6500	208000	6300	201600	6606	211392
ITEM NO.54 Providing & fixing in position, heavy duty fully upholstered Auditorium chairs 520 mm c to c tip-up type. Height of back should be less than 1030 mm with plastic protective cover on back and bottom having teak wood handles. Back to back distance is 1000mm. The auditorium chairs should be of following specifications 1. Powder Coated Heavy duty MS Stand. 2. Individually moulded, ergonomically designed seat and back cushions. 3 Moulded Polyurethane Foam cushion. PU foam density 48 – 52 Kilograms/cu.mtr 4. Moulded Polyurethane Foam manufactured in certified ISO 9001 facility to ensure consistency in density for longevity .5.Upholstered in Foam laminated stretch sandwich Fabric for clean finish and soft comfortable feel as per the colour & pattern selected by the client. 6.Seat and Back should have moulded synthetic protective cover. 7. Wooden or PU armrest 65mm x 20mm - 330mm long. 8.Mounted using Anchor fasteners. As directed by Engineer-in-charge. SSR 51.18/354	85	NOS	6500	552500	6300	535500	6606	561510
ITEM NO.55 Providing and fixing Sofa-3 seater with upholstery (office) Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	64100	128200	62500	125000	65531	131062
ITEM NO.56 Providing and fixing Sofa-2 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	33400	66800	32500	65000	34076	68152
ITEM NO.57 Providing and fixing Sofa-1 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	19000	38000	18500	37000	19397	38794
ITEM NO.58 Providing and fixing 20 mm thick Laminated sheet board pelmet box 150 to 200 mm wide to doors or window frames including 20 mm dia. Aluminium curtain rod with sockets and finishing with french polishing (without top) etc complete. Spec. As directed by Engineer-In-Charge. SSR NO37.15	29.16	SMT	3450	100602	3331.65	97150.914	3493	101855.88
ITEM NO.59 Providing and Fixing Rollar Blinds AMI Make or approved make & shade of 38 mm round Aluminium channel with Black out fabric & telting with chain (Ball) system with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer	584.7985	SMT	2350	1374276.4 8	2259.6	1321410.691	2369	1385387.65

In-charge prior execution of work) SSR NO 51.19Spec. As directed by Engineer-In-Charge.									
ITEM NO.60 Providing & Fixing of Signage using 304 Stainless steel letters for the front & side fascia and 5mm thick acrylic molded letters, for back fascia moulded letters with height 24 inches, with necessary power supplies for connection, including profile LED back lighting Approved MR Spec. As directed by Engineer-In-Charge.	52	NOS	3050	158600	2950	153400	3093	160836	
ITEM NO.61 Providing & Fixing in position. Carpet more than 800+ gsm, made with 100% stain proof fibres of approved make along with 5mm underlay as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour, finishing etc complete SSR 51.13/354	337.2595	SMT	1600	539615.2	1522.5	513477.5888	1596	538266.162	
ITEM NO 62 Providing & Fixing Rod (2meter length) & Accessories for Carpet on Steps including brass finish. etc. as per architect's instructions Approved MR Spec. As directed by Engineer-In-Charge.	28	NOS	1250	35000	1200	33600	1258	35224	
ITEM NO 63 Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed / fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 milimetre perimeter channel and intermediate channels at maximum center to center distance 1200 milimetre galvanized grid should be fixed to reinforced cement concretes lab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from under side to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to straphangers for additional support to prevent strapping at every 1200 milimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete. SSR :- 38 51 Spec. As directed by Engineer-In-Charge.	1584.890 26	SMT	1950	3090536.0 1	1857.45	2943854.413	1948	3087366.23	
ITEM NO 64 Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles of size 15 mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95% , NRC 0.9 - 1.0 , Light Reflectance? 85%, Colour White, Fire Performance UK Class 0 / Class 1 (BS476 pt - 6 & 7) in module size of 600 x 600 x 15 mm, suitable for Green Building application, with Recycled content of 66 % G Wand 74 % RW. The tile shall be laid on precoated G.I channel 32 with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with aweb height of 32 mm and aload carrying capacity of 7 Kilograms / M2 with aminimum pull out strength of 100 Kilograms. The T Section have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system The Tile and Grid system used together should carry a 10 year warranty. products approved as per GR1HA and BS 476 etc. complete. SSR :- 38 47 Spec. As directed by Engineer-In-Charge.	879.18	SMT	3100	2725458	3022.95	2657717.181	3170	2787000.6	

ITEM NO.65 Providing and fixing Wooden batten ceiling with Veneer finish As per Spec. As directed by Engineer-In-Charge. Approved MR	509.63	SMT	9750	4968892.5	9500	4841485	9961	5076424.43
ITEM NO.66 Providing and fixing Designer Fabric ceiling with finish Approved MR Spec. As directed by Engineer-In-Charge.	398.88	SMT	15800	6302304	15400	6142752	16147	6440715.36
ITEM NO.67 (MS Fabrication work) Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete SSR NO23.01/129	21.70501 76	MT	109700	2381040.4 3	106936.2	2321052.103	112123	2433631.69
ITEM NO 67A Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. SSR 23.04 /173	36	MT	128600	4629600	125431.95	4515550.2	131515	4734540
ITEM NO.68 Providing & Fixing bird-wired mesh/wired fabric (12.5mm x 24 SWG) in strips of 200 mm width or as required over junctions of concrete & brick / block masonry or any other specified location at all heights including minimum 200mm overlap at all joints / junction prior to plastering, drilling, nailing etc. complete as directed By Engineer In Charge. MCGM R3-CS-PL-34 Spec. As directed by Engineer-In-Charge.	111.9	SMT	270	30213	263	29429.7	276	30884.4
ITEM NO 69 Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20 % allowing to dry for 6 to 8 hours After applying acrylic wall putty with appropriate proportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45 % or 65 to 70 % by roller Applying paints Royale luxury emulsion 2 nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.) SSR NO36.21 Spec. As directed by Engineer-In-Charge.	7028.461 26	SMT	300	2108538.3 8	288.75	2029468.189	303	2129623.76
ITEM NO 70 Providing and applying Wallpaper premium Quality Approved MR Spec. As directed by Engineer-In-Charge.	88.85	SMT	1700	151045	1650	146602.5	1730	153710.5
ITEM NO.71 Supply and installation of cubicles of width and depth as per Athena Lite-SS Series Cubicles -Std Sizes (W x D x H) : 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width - 600 mm specifications/site drawings) . Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS : 2046 and EN - 438 manufactured under	119.544	SMT	12100	1446482.4	11755.8	1405335.355	12326	1473499.34

high specific pressure > 5 MP a and temperature > 120°C , All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges . Each door will be supported by 3 stainless steel made hinges af fixed to the pilasters. Size of panels to be as per drawing. HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 60 63 T5 -50 micronepoxy powder coated for surface protection, Size to be 125 x 70 x 5T. Corner joinery section, Size to be 40 x 16.5 x 1.8 T.U -Channel Wall joinery section, Size to be 22 x 16 x 1.6 T. Door stopper section, Size to be 21 x 12.5 x 1.6 T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated etc complete.SSR NO51.162Spec. As directed by Engineer-In-Charge.								
ITEM NO.72 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. Spec. As directed by Engineer-In-Charge. Approved MR	15	RMT	2650	39750	2580	38700	2705	40575
ITEM NO.73 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-2	90	NOS	690	62100	664	59760	696	62640
ITEM NO.74 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 30 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min. 3600 Lumens, min. efficacy of 120 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-7	40	NOS	2550	102000	2487	99480	2608	104320
ITEM NO.75Supplying and erecting LED Strip light Max. 45 W IP20 class having minimum lumens output of 800 Lumens/m, min. efficacy of 90 lumen/W, CRI>80, CCTupto 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of230-270V, Life class of 30,000 Hrs at L70B50 including driver with minimum 1year warranty as per specification No. FG-IDF/LED.CSR 2-1-10	250	NOS	1950	487500	1889	472250	1981	495250
ITEM NO.76 Supplying and erecting (OTSL 1251)Track LED fitting 10W/15w with high transitivity diffuser :-Miky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20. Approved MR	110	NOS	980	107800	950	104500	996	109560

ITEM NO.77 Supplying and erecting (OTSL 1252)Track LED fitting 24W/30w/50w with high transitivity diffuser :-Miky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	120	NOS	1250	150000	1200	144000	1258	150960
ITEM NO.78 Supplying and erecting (OSDL 1055)SPOT LED fitting 5W/10w/15w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	80	NOS	1350	108000	1299	103920	1362	108960
ITEM NO.79 Supplying and erecting (OSDL 1057)SPOT LED fitting 20w/30w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	80	NOS	1500	120000	1416	113280	1485	118800
ITEM NO.80 Supplying and erecting Magnetic Surface Track Channels (size 32mm x 50mm)with available material in Aluminium,Black color.Magnetic Design Approved MR	80	NOS	8200	656000	7999	639920	8387	670960
ITEM NO.81 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led- 18w/ 40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	90	NOS	2250	202500	2150	193500	2254	202860
ITEM NO.82 Supplying and erecting (OUL 354)Underwater light fitting 8w/12w/16w with diffuser :-clear/frosted toughened glass, CCT upto3000K/4000k/6000k, Hosing: gun metal/stainless steel, IP68, durable and vandal resistant Approved MR	40	NOS	12600	504000	12283	491320	12879	515160
ITEM NO. 83 Providing and fixing Aluminium open cell(100mmx100mm) ceiling 0.45/0.50 mm Galvanized steel and 0.5/0.65mm Aluminium TCT ,Various Gap 50mm to 100mm made of 0.5mm/0.6mm thick black coil coated galvanised steel /powder coated .20mm Wide,40mm deep, 55 microns thick powder coating on exposed surface , 25 microns polyster coil coated over primer on visible surface with primer coat on rear side. Suspension with 4mm dia Galvanized rod ,Height Adjustment Spring SSteel big Clip,panel Coupler,GS wall angle. complete as per specification and drawing provided by the Engineer Incharge Approved MR	610	SMT	3150	1921500	3050	1860500	3198	1950780
ITEM NO. 84 Providing and fixing Hands Free Aluminum Foot Door Opener as per drawings and specification provided by the engineer in charge including all fitting complete with Coating complete as per specification and drawing provided by the Engineer InchargeApproved MR	15	NOS	415	6225	400	6000	419	6285
ITEM NO.85 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish , Aluminium Louverd of size (0.6 M X 0.3 M) fixed at bottom for ventilation purpose all included necessary	21.6	SMT	8250	178200	8000	172800	8388	181180.8

beads, mouldings lipping patti , iron hold fast, SS Hinges , fixer fastening with Cylinder Half lock with handle, SS handles on inside side (vertical - length 300 mm) and Aluminum Extruded Door Closer fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.) complete as per specification and drawing provided by the Engineer Incharge Approved MR									
ITEM NO. 86 Supply and Installation of GI DOOR FOR DUCT (0.6 X 1.8MT) AND GLASS (0.3 X 1.00MT) with all the necessary hardware complete as per specification and drawing provided by the Engineer Incharge Approved MR	4	NOS	7650	30600	7425	29700	7785	31140	
ITEM NO.87 Providing High Density plastic chair(Nilkamal) Smooth and Satin finish with armrest with steel legs size 585mmx550mmx775 mm weight Capacity 125kg .complete with approved colour ETC(Novella 10) Approved MR	4	NOS	2850	11400	2741	10964	2874	11496	
ITEM NO.88 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. SSR 39.09 / 246	25.4	SMT	3350	85090	3232.95	82116.93	3390	86106	
ITEM NO.89 Providing and fixing Speed Breakers of Size 350 W x 500 L x 50 H mm yellow black color as shown in the drawing with necessary fittings & fixtures as directed by EIC. MCGM R3-CS-RM-132	50	RMT	2850	142500	2765	138250	2899	144950	
ITEM NO. 90 Providing and Laying hot applied thermoplastic road marking strip on Bituminous Surface of specified shade/ colour of 2.5 mm thick including 1.5 Refractive index reflectorizing glass beads @ 250gm/sqm .Thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35:2015. Initial Dry reflectivity RL shall be > 250 mcd/sqm/lux measured in the initial 7 days and sustained reflectivity RL of 100 mcd/sqm/ lux and Qd of 100 mcd/sqm/ lux measured at the end of 2 years by means of a Standard Reflectometer of Zehntner, EasyLux, Delta make capable of measuring RL & QD both according to IRC 35:2015 clause 15.5. The finished surface to be level, uniform, and free from streaks and holes complete as per direction of Engineer-in-charge and in accordance with applicable specifications.(Refer MORTH Clause 803 for technical Specification and Performance for IRC 35 2015). SSR 6.12a	100	SMT	720	72000	699.3	69930	733	73300	
ITEM NO. 91 Providing and fixing ISI marked double swing flush door shutters conforming to IS :2202 (Part 1) Non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel L- hinges with necessary screws Fittings & Fixtures per leafSS kick plates on both sides of the door of 300mm height Heavy Duty satin finish butt SS Hinges (100mm x 75mm x 3mm in size) -4 nos. SS	3.6	SMT	13500	48600	13125	47250	13762	49543.2	

finished lever handle with mortise lock- 1 One NumberFloor spring- 1 One Number 100mm x 100mm safety glass at the specified location SSR 51.64								
ITEM NO. 92 Grab bars-Providing SS grab bars set for accessible toilets comprising of 4 nos. Grab bars as specified below (1 nos. wing grab bar + 1 nos. L shaped grab bar + 2 nos. straight grab bars = 1 typical set) 27a) Swing grab bar (1 NOS) Providing a S.S. 304 SWING HANDICAP GRAB BAR - 700 mm and of DIA: 32MM and thickness 1.5mm of the roved brand and make. 27b) L Shaped grab bar (1 NOS) Providing S.S. 304 L SHAPED DISABLED GRAB BAR of IZE-600MM (H) X 600MM (D) and 32MM DIA. and thickness mm of the approved brand and make. 27c) Straight grab bar (2 NOS) Providing S.STEEL 304 GRAB RAIL (600 MM),32MM DIA. and thickness 1.5mm of the approved brand and make. SSR 51.89	1	NOS	21000	21000	20475	20475	21468	21468
ITEM NO.93 Fire Door 45mm 1HR FRL (60/60) 3 Criteria - INTEGRITY / INSULATION/ STABILITY WOODEN DOOR - Fire Door Tested in accordance to IS: 3614 Part 2. SSR 50 81/347								
Providing 60 min Fire rated doors system duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 at National Test House, Govt of India laborator and/or with Central Building Research Institute, Govt of India undertaking with standard heating conditions as specified in IS:3614 Part II 1992 and BS: 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The fire doors are tested with NCBN technology ("Non Combustible by Nature"), with prior approval of concerned Superintending Engineer.								
ITEM NO 94 a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS:401and kiln seasoned to moisture below 15% as per IS:1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete.	12	RMT	1700	20400	1647.45	19769.4	1727	20724
ITEM NO 95b) Shutter . Providing of 65mm thick asbestos free composite - 3 criteria - fire, heat and smoke check Accoustic Door Shutter with flame guard of 120 minutes IS3614 part -II comprising of 2x9mm Calcium Silicate boards, Chemical treated internal timber with Fire retardant chemicals in pressure impregnation vessels under 160 PSI pressure as per IS:401and kiln seasoned to moisture below 15% as per IS:1141 frame work of 100x32 mm with 32mm thick infill of ceramic fiber (density 128Kilograms/CMT), vermaculite mix faced with 6mm Fire retardant High Density ply, internally lipped with hardwood beading, and pasted in Hydraulic Press under 50 tonnes pressure, spray quoted with 2 coats of In tumescent paint of minimum 200 micron, and with 1 row of Brush- Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed for fire and smoke	5.76	SMT	9750	56160	9464.7	54516.672	9924	57162.24

sealing in the grooves in the shutter on all edges except bottom, without any external lipping.									
ITEM NO.96 c) Vision Panel: 1 HR rated E Class clear high stress fire rated glass is pre fabricated strategically inside the shutter structure with 10 mm inside the shutter on all sides with U- glazing. An additional insulated powdercoated 'Z' channel of 16 swg MS sheet to be fixed for reinforcement of the joints. With clear fire resistant glass panes 11mm thick having minimum 120 minutes fire Description	0.36	SMT	36100	12996	35148.75	12653.55	36853	13267.08	
ITEM NO. 97 Providing and installing Nylon net for protection from Birds entry in Entrance Lobby (Exterior Projection) MCGM R3-CS-RM-133	1200	SMT	230	276000	224	268800	235	282000	
ITEM NO.98 Providing and Fixing Adjustable Painting stand/Holder as per specification provided by the engineer in charge. Approved MR	40	NOS	37500	1500000	36500	1460000	38270	1530800	
ITEM NO.99 Providing and Fixing high tensile strings for hanging Paintings with frame as per specification provided by the engineer in charge. Approved MR	180	RMT	930	167400	900	162000	944	169920	
ITEM NO.100 Supplying, erecting, testing and commissioning of float sensor switch for water level controller working on 250 V & rated current 8A, with 2 m wire & high quality of wire & plastic body. CSR 12-4-28	6	NOS	425	2550	413	2478	433	2598	
ITEM NO.101 Supplying, erecting, testing and commissioning of directly operated single phasing preventer complete erected and connected to supply to operate in case of single phasing with guarantee for minimum one year. CSR 12-4-29	3	NOS	760	2280	741	2223	777	2331	
ITEM NO.102 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-MCB CSR 5-3-13	8	NOS	1400	11200	1329	10632	1393	11144	
ITEM NO.103 Providing and fixing Stainless steel sink of size 1145 x 510 x250 mm (Graceful Glory - Big) including coupling, outlet pipe, elbow and other necessary fitting, finishing etc. complete. Approved MR Spec. As directed by Engineer-In-Charge.	1	NOS	18800	18800	18280	18280	19167	19167	
ITEM NO.104 Providing and fixing push cock (Self closing tap) symet type of 20 mm dia. including necessary socket, testing etc. complete. SSR 41.55	10	NOS	510	5100	489.3	4893	513	5130	
ITEM NO.105 Providing and fixing Autoclosing pillar cock of pressmatic tap of approved make or equivalent including all fixtures, fittings etc. complete. SSR 41.77	10	NOS	2850	28500	2742.6	27426	2876	28760	
ITEM NO.106 Providing & erecting 4 Pole MCCB 415V, 630A, 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. 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-MCCBCSR 5-5-7	1	NOS	33900	33900	33016.8	33016.8	34618	34618	

ITEM NO.107 Providing & erecting 3 Pole MCCB 415V, 630A, 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. 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-MCCB (To be set at 500A) CSR 5-5-7	1	NOS	28300	28300	27514	27514	28848	28848
ITEM NO.108 Supplying, installing, testing and commissioning air circuit breaker manual fixed type, non-drawout type, 650V, 1000A rated at 50° C without deration, 12kV Impulse, 4 Pole (100% Neutral Protection), 50 kA (Ics=Icu=Icw for 1s),with standard accessories with ready to close, individual fault trip, alarm and trip indication, mechanical and electrical anti pumping, soft/hard rating plug (including hard rating plug CT) with Microprocessor based LCD display release with LSIG and temperature rise protection & with 4 C/O contacts for On-Off-Trip indication, min. 5 event and trip history on breaker display on provided iron frame as per specification no. SW-SWR/ACB CSR 5-8-3	1	NOS	132700	132700	129388	129388	135663	135663
ITEM NO.109 Providing & erecting 4 Pole MCCB 415V, 400A, 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 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-MCCB CSR 5-5-6	2	NOS	24900	49800	24250.8	48501.6	25427	50854
ITEM NO.110 Providing & erecting 4 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 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. 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-MCCB CSR 5-5-3	2	NOS	13700	27400	13310.4	26620.8	13956	27912
ITEM NO.111 Providing & erecting 4 Pole MCCB, 415V, 160A, rated short-circuit breaking capacity 25 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. 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-MCCB CSR 5-5-2	5	NOS	11200	56000	10832.4	54162	11358	56790
ITEM NO.112 Supplying and erecting intelligent flush mounted panel meter three phase four wire (IPM) input voltage measurement range 50-550 V AC (P-P) 415V, aux. supply 90-300 V AC/DC, flush mounted (96 x 96 mm) meter constant Wh viewing in LCD multifunction meters in auto scroll mode with voltage, current, frequency, power factor kW, kVA,	9	NOS	9700	87300	9436	84924	9894	89046

kVAR, kWh, kVAh, kVARh, phase angle, interrupts, THD, complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware CSR 6-5-9									
ITEM NO.113 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	10	NOS	365	3650	355	3550	372	3720	
ITEM NO.114 Supplying, erecting & marking of surge arrester/ surge protection device at the main distribution board after the incoming breaker of type 1+2 tested for I _{max} 50 kA for three phase and neutral with compliance to IEC 61643-11 as per specification no. CP-SPD CSR 6-8-3	6	NOS	9800	58800	9552	57312	10015	60090	
ITEM NO.115 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 RS232 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. CSR 6-5-13	2	NOS	12700	25400	12298	24596	12894	25788	
ITEM NO.116 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (I _{cs} =100% of I _{cu}), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1	40	NOS	7150	286000	6969.6	278784	7308	292320	
ITEM NO.117 Supplying, erecting, testing & commissioning 125 kVAR, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,20,20,20,20,25 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step. APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/ MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC. CSR 6-9-20	1	NOS	519600	519600	506838	506838	531420	531420	
ITEM NO.118 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 provided on iron/GI frame as per specification no. SW-MCBDB CSR 5-4-11	8	NOS	1650	13200	1605	12840	1683	13464	
ITEM NO.119 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 8 ways (8 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per	7	NOS	1550	10850	1503	10521	1576	11032	

specification no. SW-MCBDB CSR 5-4-10									
ITEM NO.120 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB. CSR 5-4-1	2	NOS	2500	5000	2391	4782	2507	5014	
ITEM NO.121 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 8 ways/phase (24 poles), with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-2	2	NOS	3450	6900	3317	6634	3478	6956	
ITEM NO.122 Supplying, erecting & marking DP MCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	15	NOS	530	7950	510	7650	535	8025	
ITEM NO.123 Supplying & erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DP MCB/TP MCB/FP MCB/RCCB/RCBO complete erected on provided angle iron/GI frame. CSR 5-4-15	32	NOS	420	13440	408	13056	428	13696	
ITEM NO.124 Supplying and erecting modular type telephone socket one gang with safety shutter on provided plate and box with wiring connections complete CSR 1-6-15	13	NOS	120	1560	114	1482	120	1560	
ITEM NO.125 Supplying and erecting modular type computer Jack RJ 45 with safety shutter, on provided plate and box with wiring connections complete. CSR 1-6-17	23	NOS	160	3680	152	3496	159	3657	
ITEM NO.126 Supplying & 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(GREEN COLOUR EARTH WIRE) CSR 1-3-1	400	RMT	25	10000	23	9200	24	9600	
ITEM NO.127 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-37	16	NOS	310	4960	298	4768	312	4992	
ITEM NO.128 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-39	18	NOS	470	8460	454	8172	476	8568	
ITEM NO.129 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-40	16	NOS	560	8960	544	8704	570	9120	
ITEM NO.130 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16/18 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as	12	NOS	630	7560	614	7368	644	7728	

per required to match the background. CSR 1-6-41								
ITEM NO.131 Supplying & 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 (GREEN COLOUR EARTH WIRE) CSR 1-3-2	850	RMT	40	34000	35.5	30175	37	31450
ITEM NO.132 Supplying & 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 9CSR 1-3-3	1000	RMT	105	105000	99	99000	104	104000
ITEM NO.133 Supplying & 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 9 (green colour) CSR 1-3-3	100	RMT	105	10500	99	9900	104	10400
ITEM NO.134 Supplying & erecting mains with 4x4 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 Continuous earth wire size shall be selected as per IS 732.2019 CSR 1-3-3	360	RMT	255	91800	247.5	89100	260	93600
ITEM NO.135 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-7	2220	RMT	110	244200	104	230880	109	241980
ITEM NO.136 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-8	3900	RMT	95	370500	90	351000	94	366600
ITEM NO.137 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	1575	RMT	120	189000	116	182700	122	192150
ITEM NO.138 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification WG-MA/CC. CSR 1-1-10	670	RMT	105	70350	102	68340	107	71690
ITEM NO.139 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	180	RMT	145	26100	139	25020	146	26280
ITEM NO.140 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	125	RMT	160	20000	153	19125	160	20000
ITEM NO.141 Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	100	RMT	20	2000	19	1900	20	2000
ITEM NO.142 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 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 (WIRE AMOURED) CSR 7-1-16	250	RMT	355	88750	341.55	85387.5	359	89750

ITEM NO.143 Supplying, erecting & terminating FR XLPE insulated, galvanised steelformed wire armoured (strip) cable, 1100 V 4 core 25 sq. mm. aluminiumconductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Provisonal qty)CSR 7-1-30	305	RMT	275	83875	265	80825	278	84790
ITEM NO.144 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ 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/AL (Wire Armoured) CSR 7-1-19	10	RMT	730	7300	702.65	7026.5	737	7370
ITEM NO.145 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 240 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 (Wire Armoured) CSR 7-1-23	100	RMT	1650	165000	1587	158700	1664	166400
ITEM NO.146 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 300 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 (Wire Armoured) CSR 7-1-24	100	RMT	1950	195000	1896.35	189635	1988	198800
ITEM NO.147 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 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 (Wire Armoured) CSR 7-1-18	100	RMT	520	52000	499	49900	523	52300
ITEM NO.148 Supplying & erecting single compression type brass cable glands for 4 core 35 Sq. mm./3 core 50 Sq. mm. cable as per specification no. CB-GL. CSR 7-7-4	2	NOS	215	430	208	416	218	436
ITEM NO.149 Supplying & erecting single compression type brass cable glands for 3½ core 95 sq mm cable as per specification No. CB-GL. CSR 7-7-7	4	NOS	325	1300	315	1260	330	1320
ITEM NO.150 Supplying & erecting Single Compression type brass cable glands for 3½core 240 sq mm cable as per specification No. CB-GL. CSR 7-7-11	4	NOS	610	2440	586	2344	614	2456
ITEM NO.151 Supplying & erecting Single Compression type brass cable glands for 3½core 300 sq mm cable as per specification No. CB-GL. CSR 7-7-12	4	NOS	820	3280	799	3196	838	3352
ITEM NO.152 Supplying & erecting single compression type brass cable glands for 3½ core 70 sq mm. cable as per specification no. CB-GL. CSR 7-7-6	4	NOS	290	1160	280	1120	294	1176
ITEM NO.153 Supplying & erecting crimping type aluminium lugs for cable 25 sq mm complete as per specification No. CB-CL/AL (provisional qty) CSR 7-10-2	8	NOS	15	120	12	96	13	104

ITEM NO.154 Supplying & erecting crimping type aluminium lugs for cable 35 sq mm complete as per specification No. CB-CL/AL CSR 7-10-3	8	NOS	20	160	19	152	20	160
ITEM NO.155 Supplying & erecting crimping type aluminium lugs for cable 95 sq mm complete as per specification No. CB-CL/AL CSR 7-10-6	8	NOS	35	280	33	264	35	280
ITEM NO.156 Supplying & erecting crimping type aluminium lugs for cable 70 sq mm complete as per specification No. CB-CL/AL CSR 7-10-5	8	NOS	35	280	31	248	33	264
ITEM NO.157 Supplying & erecting crimping type aluminium lugs for cable 240 sq mm complete as per specification No. CB-CL/AL CSR 7-10-10	16	NOS	115	1840	112	1792	117	1872
ITEM NO.158 Supplying & erecting crimping type aluminium lugs for cable 300 sq mm complete as per specification No. CB-CL/AL CSR 7-10-11	16	NOS	170	2720	163	2608	171	2736
ITEM NO.159 Supply, installing, and testing 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 Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity (min. 125kg) complete, and recording the results specification no. EA-MF CSR 9-1-5	11	NOS	12700	139700	12357	135927	12956	142516
ITEM NO.160 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete CSR 7-6-12	350	RMT	385	134750	374	130900	392	137200
ITEM NO.161 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete(8 SWG) CSR 9-2-5	102	KG	175	17850	168	17136	176	17952
ITEM NO.162 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 100 mm height with required standard accessories CSR 7-11-3	300	RMT	890	267000	859	257700	901	270300
ITEM NO.163 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware. CSR 7-11-8	150	RMT	870	130500	846	126900	887	133050
ITEM NO.164 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-7	100	RMT	700	70000	676	67600	709	70900
ITEM NO.165 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-6	220	RMT	610	134200	590	129800	619	136180

ITEM NO.166 Supplying, erecting, testing & commissioning of 20 kVA capacity on line pure sine wave, PWM, IGBT based UPS with 0.9 to unity output pf, 3 phase input & 3 phase output complete with all protections as per specification no. APUPS(Without batteries)CSR 3-7-8	2	NOS	297600	595200	290248	580496	304325	608650
ITEM NO.167 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. for 30 mins battery backup CSR 3-8-12	60	NOS	9800	588000	9549	572940	10012	600720
ITEM NO.168 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED (Final light fittings to be as per Architects selection) CSR 2-1-12	65	NOS	2000	130000	1915	124475	2008	130520
ITEM NO.169 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-19	10	NOS	1450	14500	1409	14090	1477	14770
ITEM NO.170 Supplying and erecting anodized aluminium light LED fitting (4 feet) Max. 22W with high transitivity diffuser with system lumens output of Min 2200 lumens, min efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block/wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-18	20	NOS	830	16600	802	16040	841	16820
ITEM NO.171 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 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 minimum 2 Year warranty as per specification No FG-ODF/BL. (Final light fittings to be as per Architects selection) CSR 2-3-20	53	NOS	7050	373650	6834	362202	7165	379745
ITEM NO.172 Supplying and erecting LED square / circular Max. 18 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 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 L70B0 including driver, having mounting arrangement with board for surface type or	630	NOS	1600	1008000	1544	972720	1619	1019970

spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED.(Final light fittings to be as per Architects selection) CSR 2-1-5								
ITEM NO.173 Supplying and erecting LED square / circular Max. 14 W down lighter /Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 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 L70B0 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED wattage considered 12W (Final light fittings to be as per Architects selection-OUL354)CSR 2-1-4	65	NOS	1300	84500	1224	79560	1283	83395
ITEM NO.174 Supplying and erecting Bulk Head LED fitting Max. 10W with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-15	46	NOS	1500	69000	1423	65458	1492	68632
Supply,Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transparent. h) All suspended fixtures shall be provided with SS caps to put around suspension at false ceiling level Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture. 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant:								
ITEM NO.175 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-6	880	NOS	2000	1760000	1945	1711600	2039	1794320
ITEM NO.176 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min	5	NOS	3000	15000	2887	14435	3027	15135

4200 Lumens, min. efficacy of 120 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 minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-8									
ITEM NO.177 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 50W with high transitivity diffuser with system lumens output of Min. 6000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. (15W Track Light-OTSL1251) CSR 2-1-20	65	NOS	2350	152750	2278	148070	2388	155220	
ITEM NO.178 Supplying and erecting CRCA powder coated light LED fitting 15W Track Light-OTSL1252 with high transitivity diffuser with system lumens output of Min. 6000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-20	60	NOS	2350	141000	2278	136680	2388	143280	
ITEM NO.179 Supplying and erecting CRCA powder coated mirror light LED fitting (4 feet) Max. 17W with high transitivity diffuser with system lumens output of Min. 2000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP 20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17	10	NOS	660	6600	641	6410	672	6720	
ITEM NO.180 Supplying and erecting 18W Wall light (OWL 402) with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17	5	NOS	660	3300	641	3205	672	3360	
ITEM NO.181 Supplying and erecting rectangular shaped LED Panel Light (1200mm X 300mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min. 4200 Lumens, min. efficacy of 120 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	25	NOS	3150	78750	3027	75675	3174	79350	

including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-9									
ITEM NO.182 Supplying and erecting CRCA powder coated mirror light LED fitting (4 feet) Max. 17W with high transitivity diffuser with system lumens output of Min. 2000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angleof 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP 20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-17	40	NOS	660	26400	641	25640	672	26880	
ITEM NO.183Supplying and erecting 15W Bulkhead light (OWL 402) with high transitivity diffuser with system lumens output of Min. 1100 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50, IP66, IK09 rated including driver IP66, IK09 rated on provided PVC Block / wooden board with minimum 2 years warranty as per specification No. FG-IDF/LED.CSR 2-1-17	50	NOS	660	33000	641	32050	672	33600	
ITEM NO.184 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 2 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V.50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition. The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL 864(10th edition) with 3 years replacement warranty and inclusive of lifetime software license validity , as per specification noFF-AFAS/CP. CSR 13-10-2	1	NOS	176500	176500	172095	172095	180442	180442	
ITEM NO.185 Supplying, installing, testing and commissioning of Addressable Optical Photo Smoke Detector. The detector shall have multi co-operative sensing technology for faster response & avoid false alarms. The detector shall have single/twin bicolour LED for 360 deg viewing. The detector is conforming to IS 2189: 2008, 11360_1985_Ref12020_EN 54 /VdS / UL & FM approved with 3 years equipment replacement warranty. Designed to meet UL268, 7th Edition. FFAFAS/ SD. CSR 13-10-5	135	NOS	2450	330750	2380	321300	2495	336825	
ITEM NO.186 Supplying, installing, testing and commissioning of intelligent addressable thermal/heat detector with rate of rise cum fixed temperature thermistor complete with 0°C to 58°C temperature range, with base as required, single/twin LED's with 360 degree view, in-built locking mechanism to check the removal and pilferage of the detector, Detector Shall conforming to IS : 2175 - 1988 reaffirmed	9	NOS	2800	25200	2714	24426	2846	25614	

2000, IS 15908:2021 / EN 54 / VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition. FF-AFAS/HD - ROR. CSR 13-10-6									
ITEM NO.187 Supplying, installing, testing and commissioning of addressable fire control/relay module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs etc. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 reed relays / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FFAFAS/ CRM-FCM CSR 13-10-10	16	NOS	3900	62400	3779	60464	3962	63392	
ITEM NO.188 Supplying, installing, testing and commissioning of addressable fire monitor module for flow switches, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 Reed relays, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MM CSR 13-10-11	16	NOS	3850	61600	3730	59680	3911	62576	
ITEM NO.189 Supplying, installing, testing and commissioning of addressable fire isolator module for isolating short / dewired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector & module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device module complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, FF-AFAS/ISMCSR 13-10-12	14	NOS	3150	44100	3055	42770	3203	44842	
ITEM NO.190 Supplying, installing, testing and commissioning of addressable manual call points (break glass type/pull station type), made of addressable break glass plastic square in shape surface/flush mounted with "Break Glass" message embedded on the glass, complete erected with mounting base and required accessories, Module shall conform to EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MCP. CSR 13-10-13	12	NOS	3700	44400	3579	42948	3753	45036	
ITEM NO.191 Supplying, installing, testing and commissioning of Addressable Sounder cum Strobe rated at minimum 75 dB @ 3m for Audible annunciation and minimum 75cd flashing at 1 Hz for visual indication. Module shall conforming to IS 2189: 2008, IS 15908:2021 / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/ S-ST CSR 13-10-14	8	NOS	8050	64400	7837	62696	8217	65736	
ITEM NO.192 Supplying, installing, testing and commissioning of repeater panel with suitable battery backup of a minimum of 24 hours in normal condition and 30 min in alarm condition, minimum 10" LCD or LED display with resistive touch screen or	1	NOS	76400	76400	74506	74506	78120	78120	

function keys and automatic back-light dimming and the status of any Fire/Fault of Integrated Fire Alarm Panels or minimum 80 characters backlit alphanumeric LCD display with inbuilt buzzer to indicate fault/fire alarm, manual control keys for silence/mute and to reset the FACP from the repeater station. Panel shall conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL with 3 years replacement warranty FF-AFAS/RP. (Compatible with 1/2 Loop Fire Alarm Control Panel), as per specification no FF AFAS/RP CSR 13-10-16								
ITEM NO.193 Supplying, erecting, testing & commissioning Mixer Amplifier 500W RMS Power with Built-in Digital Player with remote and having 7 Mic & 3 Aux Inputs with Box Speaker/Driver Unit selector switch to each zone , stereo/mono switch, frequency response 50-15000Hz, output regulation <2dB, serprate control for USB level. The unit shall have Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme with Resettable circuit breaker for protection against overload and short circuit. The unit shall have speaker output range of 2Ω, 4Ω/(Low Impedence) and 70V & 100V/(High Impedence) & It can instant transfer to DC power(36V) if AC power fails. Signal to noise ratio between 60dB to 80dB. Complete as per specification no. PA-MA CSR 19-7-12	1	NOS	28400	28400	27671	27671	29013	29013
ITEM NO.194 Supplying, installing, testing & commissioning 2-Way flush mount Ceiling Speakers with input power 20W RMS power, with power taps on 20/10/5W, 100V & 70V line, frequency response 90-18000Hz, stylish metal mesh grill and plastic frame, operates on 100V line for excellent reproduction of both speech and music, wide frequency response and adjustable tweeter complete as per specification no. PA-FMCS (5W tap consideration) CSR 19-7-14	97	NOS	2400	232800	2334	226398	2447	237359
ITEM NO.195 Supplying, erecting, testing and commissioning of multistrand annealed bare copper conductor, transparent PVC insulated 2C x 1 sqmm speaker wire in provided trunking/conduit etc complete as per specification no. PA-TSPWRCSR 19-7-25	991.2	RMT	45	44604	41	40639.2	43	42621.6
ITEM NO.196 Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features : Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, CSR 19-6-1	8	NOS	8150	65200	7917	63336	8301	66408
Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan :								

<p>350°, Tilt : 72°, Rotate : 350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>								
<p>Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C) Security- User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified, duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no.CCTV-CAM.</p>								
<p>ITEM NO.197 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS. Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range. ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, CSR 19-6-3</p>	58	NOS	8100	469800	7854	455532	8235	477630
<p>Field of View :2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m.Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350° Power Supply : Support 12VDC & PoE,IP67, IK10 - Vandal Resistant Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>								
<p>Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting</p>								

<p>detection. Operating temperature (-30 to 60° C).</p> <p>Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol.</p> <p>RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified, duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM.</p>								
<p>ITEM NO.198</p> <p>Supplying, installing, testing & commissioning of 32/40 Ch. Network Video Recorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI/VGA outputs, provided HDMI output of 4K resolution or VGA output with output up to 1920 × 1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 250Mbps with minimum 4 SATA Hard Disks, ANR Technology, 4 SATA interfaces for 4 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptive Ethernet interface, ONVIF conformance, Multiple network monitoring, Web viewer, support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RoHS, UL, CE, FCC certified, duly erected in provided U Rack with wiring connections, tagging and programming etc. complete as per specification no. CCTV-NVR CSR 19-6-15</p>	2	NOS	46700	93400	45460	90920	47665	95330
<p>ITEM NO.199</p> <p>Supplying, erecting & terminating 10 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete. CSR 19-1-23</p>	4	NOS	4800	19200	4641	18564	4866	19464
<p>ITEM NO.200</p> <p>Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, Maximum sustained transfer rate 150MB/Sec to 180MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 64, Load/Unload Cycle - 3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS, RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD CSR 19-6-21</p>	4	NOS	24400	97600	23722	94888	24873	99492
<p>ITEM NO.201</p> <p>Supplying & erecting 32" professional LED Monitor with 1920*1080 (Full HD) Display, suitable for 16 channel NVR and following features Brightness: minimum 250 Cd/m2 Contrast Ratio: minimum 1000:1 Viewing angle: 178/178 deg. Response time: maximum 8 ms Inputs: HDMI, VGA, BNC, USB, Audio In, Built-in speakers maximum 2 W, Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MON CSR 19-6-23</p>	2	NOS	24700	49400	24069	48138	25236	50472

ITEM NO.202 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568 C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	4	NOS	11300	45200	11017	44068	11551	46204
ITEM NO.203 Supplying and fixing 12 ports light guide unloaded interconnect unit, rack mounted type, with adapter panel for termination of optical fiber cables in provided U rack complete as per specification no. WG-NAS/LIU CSR 19-5-6	2	NOS	5400	10800	5265	10530	5520	11040
ITEM NO.204 Supplying and fixing power distribution unit for networking rack comprises of 6/16A (6 NOS sockets), 16A modular MCB, appropriate rating, enclosed in black powder coated metal with necessary arrangement for fixing complete. CSR 19-5-17	6	NOS	5450	32700	5270	31620	5526	33156
ITEM NO. 205 Supplying and fixing 9U wall mount rack (Dimension-DxWxH – 500x550x480 mm) as per specification no. WG-NAS/RAK CSR 19-5-19	4	NOS	9900	39600	9615	38460	10081	40324
ITEM NO.206 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable suitable for networking compliant with ANSI/TIA-568 2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC CSR 19-3-1	3040	RMT	60	182400	57	173280	60	182400
ITEM NO.207 Supplying and fixing 1 m 24 AWG multi stranded UTP patch cord with RJ-45 factory crimped connector of Cat 6 type, compliant ANSI/TIA-568 2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-16	50	NOS	250	12500	243	12150	255	12750
ITEM NO.208 Supplying and erecting 12 fibers LSZH armoured multimode optical fiber cable with core dia 50/125 µm (OM3), suitable upto 10 GBPS, compliant to IEC 60793/IEC 60794 standards, on wall/ceiling or laid in provided pipe/trench as per specification no. WG-ELVC/OFC CSR 19-3-11	50	RMT	310	15500	302	15100	317	15850
ITEM NO.209 Supplying and fixing SC/SC type multimode pigtails (OM3) for LIU to terminate OFC in LIU as per specification no. WG-NAS/LIU2 CSR 19-5-13	2	NOS	840	1680	815	1630	855	1710
ITEM NO.210 Supplying and fixing of self expanding, ready to use polyurethane(PU) foam sealant of minimum 750ml bottle, suitable to seal the openings of all kinds of cables, pipes and cable support system in steel, aluminium and plastic profiles (except hollow core conductors). Sealant shall have minimum 2 hour fire rating, conforming to EN 1366-4:2021 as per specification no FF-FRS. CSR 13-12-1	50	NOS	1550	77500	1495	74750	1568	78400
ITEM NO.211 Providing & erecting 4 Pole MCCB, 415V, 800A, rated short-circuit breaking capacity 50 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. 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-MCCBCSR 5-5-8	2	NOS	57000	114000	55569.6	111139.2	58265	116530
ITEM NO.212 Providing & erecting 3 Pole MCCB 415V, 320A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic	2	NOS	24600	49200	23994	47988	25158	50316

setting with provided leads, provision for installation of shunt/UV/trip alarm contact. 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-MCCB CSR 5-5-5									
ITEM NO.213 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-MCB. CSR 5-3-13	2	NOS	1400	2800	1329	2658	1393	2786	
ITEM NO.214 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 40A, open execution having staggered termination, phase barrier, shroud termination and terminal cover along with auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no. SW-SWR/COS. CSR 5-1-2	1	NOS	3350	3350	3235	3235	3392	3392	
ITEM NO.215 Supplying, erecting & marking FP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-12	100	NOS	1100	110000	1059	105900	1110	111000	
ITEM NO.216 Supplying, erecting, testing & commissioning 200 kVAr, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,10,20,25,25,50,50 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/ MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC CSR 6-9-22	1	NOS	637000	637000	621368	621368	651504	651504	
ITEM NO.217 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 2 ways (2 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-7	1	NOS	840	840	818	818	858	858	
ITEM NO.218 Supplying, fixing and commissioning 2 pole RCBO up to 25A, 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 per specification no SW-RCBO. CSR 5-6-9	14	NOS	3300	46200	3179	44506	3333	46662	
ITEM NO.219 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 4 ways/12 Poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-4.	1	NOS	4700	4700	4582	4582	4804	4804	
ITEM NO.220 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 4 ways (4 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43	1	NOS	1050	1050	984	984	1032	1032	

Protection on provided iron/GI frame as per Specification no. SW-MCBDBCSR 5-4-8									
ITEM NO.221 Supplying, fixing and commissioning 4 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 per specification no SW-RCBO. CSR 5-6-13	2	NOS	4350	8700	4212	8424	4416	8832	
ITEM NO.222 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 12 ways/36 poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-6	11	NOS	7950	87450	7739	85129	8114	89254	
ITEM NO.223 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-37	63	NOS	310	19530	298	18774	312	19656	
ITEM NO.224 Supplying & erecting crimping type aluminium lugs for cable 25 sq mm complete as per specification No. CB-CL/AL CSR 7-9-2	96	NOS	40	3840	36	3456	38	3648	
ITEM NO.225 Supplying & erecting crimping type aluminium lugs for cable 35 sq mm complete as per specification No. CB-CL/AL CSR 7-9-3	8	NOS	45	360	42	336	44	352	
ITEM NO.226 Supplying, erecting, testing & commissioning of 10 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.9 to unity output pf, 3 phase input & 3 phase output complete with all protections as per specification no. AP-UPS(Without batteries) CSR 3-7-7	1	NOS	185100	185100	180484	180484	189237	189237	
ITEM NO.227 Supplying and erecting anodized aluminium mirror light LED fitting (2 feet) for toilet area Indirect lighting Max. 12W with high transitivity diffuser with min. system lumens output of 1200 lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-16	31	NOS	470	14570	455	14105	477	14787	
ITEM NO.228 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 4 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V 50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition, The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189:2008, NFPA-72, EN 54 / VdS/FM & UL 864(10th edition) with 3 years replacement warranty and inclusive of lifetime software	1	NOS	286100	286100	279040	279040	292573	292573	

license validity , as per specification noFF-AFAS/CP. CSR 13-10-3									
ITEM NO.229 Supplying & erecting 4 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, Maximum sustained transfer rate 150MB/Sec to 180MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 64, Load/Unload Cycle - 3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS. RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDDCSR 19-6-20	2	NOS	12700	25400	12340	24680	12938	25876	
ITEM NO.230 Supplying & erecting HMS PVC conduit 40mm dia. with necessary accessories in wall/floor/RCC work/false ceiling/false flooring with chiselling appropriately as per specification no. WG-MA/CC. Approved MR	2865	RMT	240	687600	234	670410	245	701925	
ITEM NO.231 Supplying & laying flexible HMS PVC conduit 40mm dia. with necessary accessories Approved MR	937.5	RMT	95	89062.5	90	84375	94	88125	
ITEM NO.232 SITC of white Pop-Up box for Library area switch socket installation. The configuration to consist of 5switch+5 socket complete in all respect. flushed with the table. Approved MR	20	NOS	5650	113000	5500	110000	5767	115340	
ITEM NO.233 Supply,Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transparent. h) All suspended fixtures shall be provided with SS caps to put around suspension at false ceiling level Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture. 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant. MR									
45 W LED DOWN LIGHT FITTING SURFACE MOUNTED / SUSPENSION MOUNTED	134	NOS	3750	502500	3635.25	487123.5	3811	510674	
15 W TRACK LIGHT WITH COB LED & EXTRUDED ALUMINIUM HOUSING	55	NOS	1600	88000	1550	85250	1625	89375	
SINGLE PHASE 1 MTR. TRACK FOR TRACK LIGHTS	60	SET	610	36600	590	35400	619	37140	
LED DECORATIVE HANGING LIGHT FITTINGS	21	NOS	26900	564900	26200	550200	27471	576891	
RGB FLOOR STRIP LIGHTS OF 300 mm. LENGTH WITH CONTROLLER	123	NOS	1700	209100	1638	201474	1717	211191	
5 W LED STUDY TABLE LAMP	9	NOS	4750	42750	4585	41265	4807	43263	
ITEM NO.234 Supply, Installation,Testing & Commissioning of Response indicator for all detectors located above false ceiling Complete as required Approved MR	68	NOS	260	17680	250	17000	262	17816	
ITEM NO. 235 Supplying and erecting electronic type cordless call bell erected on T.W. board having portable bell push working on 9V	5	NOS	570	2850	555	2775	582	2910	

D.C. battery and (effective range upto 45 meter) bell on 250 V A.C. supply. CSR 2-2-5									
ITEM NO.236 Providing & fixing AC Charger of model named as AC Type 2 with power rating of 7.4 kW & charging connector IEC62196-2 Gun, the input power supply should be of one phase with all required accessories. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS	86500	173000	84375	168750	88467	176934	
ITEM NO.237 Providing & fixing AC Charger of model named as Bharat AC01 with power rating of 3x3.3 KW & charging connector 3 NOS of 16 A Socket, the input power supply should be of three phase with all required accessories. (For 2/3 W & 4 W slow charging) complete as per specification and drawing provided by the Engineer Incharge Approved MR	1	NOS	79600	79600	77625	77625	81390	81390	
ITEM NO.238 Providing & fixing DC Fast Charger of model named as CCS2 with power rating of 30 KW & charging connector 1 NOS of 30 KW CCS2 gun, the input power supply should be of three phase with all required accessories and the output current will be 125 A per Gun. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS	758400	1516800	739800	1479600	775680	1551360	
ITEM NO.239 Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-2	12	NOS	180	2160	174	2088	182	2184	
ITEM NO.240 Supplying, erecting & marking SPMCB 6A to 32A, B-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-3	40	NOS	180	7200	173	6920	181	7240	
ITEM NO.241 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	4	NOS	2850	11400	2756	11024	2890	11560	
ITEM NO.242 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	8	NOS	2800	22400	2722	21776	2854	22832	
ITEM NO.243 Supplying, erecting & commissioning 2 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-1	8	NOS	2200	17600	2136	17088	2240	17920	
ITEM NO.244 Providing & erecting floor/wall mounting, MCCB panel board, with door, suitable for 4 pole incoming 250A, 12 ways 4 pole outgoing, up to 100A MCCBs on iron frame, as per specification no. SW-MCCBPB. (Excluding MCCBs) CSR 5-7-5	1	NOS	73100	73100	71221	71221	74675	74675	
ITEM NO.245 Supplying, erecting, testing & commissioning 50 kVAR, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,3,5,5,7,10,15 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent	1	NOS	280600	280600	273707	273707	286982	286982	

capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC CSR 6-9-18									
ITEM NO 246 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 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 CSR 7-1-21	100	m	930	93000	902	90200	946	94600	
ITEM NO 247 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 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 CSR 7-1-20	30	m	790	23700	761	22830	798	23940	
ITEM NO 248 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 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 7-2-32	200	m	410	82000	398	79600	417	83400	
ITEM NO 249 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 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 7-2-31	250	m	310	77500	299	74750	314	78500	
ITEM NO 250 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 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 7-2-33	250	m	630	157500	605	151250	634	158500	
ITEM NO 251 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	26	Nos	75	1950	73	1898	77	2002	
ITEM NO 252 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GL CSR 7-7-2	6	Nos	100	600	93	558	98	588	
ITEM NO 253 Supplying & erecting single compression type brass cable glands for 3½ core 120 sq mm cable as per specification No. CB-GL CSR 7-7-8	2	Nos	385	770	372	744	390	780	
ITEM NO 254 Supplying & erecting single compression type brass cable glands for 3½ core 150 sq mm cable as per specification No. CB-GL CSR 7-7-9	2	Nos	385	770	372	744	390	780	
ITEM NO 255 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	32	Nos	25	800	24	768	25	800	

ITEM NO.256 Supplying & erecting crimping type aluminium lugs for cable 120 sq mm complete as per specification No. CB-CL/AL CSR 7-10-7	8	Nos	50	400	47	376	49	392
ITEM NO.257 Supplying & erecting crimping type aluminium lugs for cable 150 sq mm complete as per specification No. CB-CL/AL CSR 7-10-8	8	Nos	65	520	59	472	62	496
ITEM NO.258 Supplying, erecting, testing & commissioning of 3 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf ,single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	1	Each	52600	52600	51298	51298	53786	53786
ITEM NO.259 Supplying and erecting 12 V/65Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete CSR 3-8-11	5	Each	6900	34500	6683	33415	7007	35035
ITEM NO.260 Supplying, erecting, testing & commissioning of any size electrolyte aluminium patti or bar in bus bar chamber / in panel or any other purpose, 500 V with require capacity 99.9% aluminium purity with E91E Grade as per IS 5082 & current density 0.8 A per sq mm with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. CP-BB CSR 6-2-11	20	kg	750	15000	723	14460	758	15160
ITEM NO.261 Supplying, erecting, testing & commissioning metal work in CRCA sheet including Iron work for supports with fabrication of boxes, panel boards, etc. including cutting, bending, drilling, welding, riveting, treated with anti-rust treatment and painted with one coat of red lead paint and 2 coats of enamel paint or powder coating complete as per specification no. CP/SH/CR CSR 6-1-1	150	kg	270	40500	261	39150	274	41100
ITEM NO.262 Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 36 ways, on iron frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB CSR 5-4-3	5	NOS	4250	21250	4118	20590	4318	21590
ITEM NO.263 Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete CSR 1-6-1	50	NOS	75	3750	72	3600	75	3750
ITEM NO.264 Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-2	50	NOS	115	5750	108	5400	113	5650
ITEM NO.265 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete CSR 1-6-11	50	NOS	195	9750	186	9300	195	9750
ITEM NO.266 Supplying and erecting modular type 3 pin 6A multi socket with safety shutter on provided plate and box with wiring connections complete. CSR 1-6-10	20	NOS	120	2400	116	2320	122	2440
ITEM NO.267 Supplying and erecting unbreakable concealed type modular switch box with	20	NOS	240	4800	231	4620	242	4840

double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-34								
ITEM NO.268 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-35	12	NOS	240	2880	234	2808	245	2940
ITEM NO.269 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-36	10	NOS	280	2800	269	2690	282	2820
ITEM NO.270 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-38	10	NOS	400	4000	389	3890	408	4080
ITEM NO.271 Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box. CSR 1-6-24	5	NOS	25	125	24	120	25	125
ITEM NO.272 Supplying, fixing, and configuring 48 Ports + 4 SFP combo, layer 2, GB managed ethernet switch, with web view compliant with IEEE 802.3 standards erected in provided rack complete CSR 19-4-20	1	NOS	152600	152600	148779	148779	155995	155995
ITEM NO.273 Supplying, erecting, testing and commissioning of 18HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete.CSR 3-11-7	2	NOS	485100	970200	473202	946404	496152	992304
ITEM NO.274 Supplying, erecting, testing and commissioning of 16HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop	6	NOS	466800	2800800	455315	2731890	477398	2864388

cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-6								
ITEM NO.275 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-5	6	NOS	428500	2571000	417935	2507610	438205	2629230
ITEM NO.276 Supplying, erecting, testing and commissioning of 12HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-4	2	NOS	329700	659400	321588	643176	337185	674370
ITEM NO.277 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working	6	NOS	310900	1865400	303287	1819722	317996	1907976

<p>on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-3</p>								
<p>ITEM NO.278 Supplying, erecting, testing and commissioning of 7HP to 8HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-2</p>	1	NOS	296500	296500	289164	289164	303188	303188
<p>ITEM NO.279 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation.CSR 3-11-22</p>	35	NOS	40500	1417500	39451	1380785	41364	1447740
<p>ITEM NO.280 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 2.0TR (618 cfm) to 2.3TR (671 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid</p>	23	NOS	39000	897000	38002	874046	39845	916435

and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-20									
ITEM NO.281 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR (618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	6	NOS	38600	231600	37640	225840	39466	236796	
ITEM NO.282 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for costal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56	9	NOS	66300	596700	64592	581328	67725	609525	
ITEM NO.283 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10.0TR (8200 cfm) Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power. having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 1236 CFM / 8.0TR CSR 3-11-59	4	NOS	96300	385200	93866	375464	98419	393676	
ITEM NO.284 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 6.5TR Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to	1	NOS	76400	76400	74475	74475	78087	78087	

receive power . having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 988 CFM / 6.0TRCSR 3-11-58								
ITEM NO.285 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-89	105	NOS	2750	288750	2662	279510	2791	293055
ITEM NO.286 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.CSR 3-11-90	140	NOS	2550	357000	2487	348180	2608	365120
ITEM NO.287 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 28.6mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-91	200	NOS	2500	500000	2435	487000	2553	510600
ITEM NO.288 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22.2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92	310	NOS	1700	527000	1634	506540	1713	531030

<p>ITEM NO.289</p> <p>Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.</p> <p>CSR 3-11-93</p>	350	NOS	1350	472500	1272	445200	1334	466900
<p>ITEM NO.290</p> <p>supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.</p> <p>CSR 3-11-94</p>	340	NOS	1150	391000	1119	380460	1173	398820
<p>ITEM NO.291</p> <p>supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete</p> <p>CSR 3-11-95</p>	180	NOS	860	154800	831	149580	871	156780
<p>ITEM NO.292</p> <p>supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.</p> <p>CSR 3-11-96</p>	340	NOS	720	244800	700	238000	734	249560
<p>ITEM NO.293</p> <p>supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges,</p>	45	NOS	560	25200	544	24480	570	25650

strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRV piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRV air conditioning system complete. CSR 3-11-97								
ITEM NO.294 Supplying and installation of high pressure grade required size copper connection Y or T- Joints/refnut complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRV air conditioning system. CSR 3-11-86	90	NOS	6300	567000	6144	552960	6442	579780
ITEM NO.295 Providing and fixing on walls/ ceiling/ floor 50mm dia.CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	100	RMT	800	80000	778.05	77805	816	81600
ITEM NO.296 Providing and fixing on walls /ceiling/ floor 40mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59	150	RMT	590	88500	565.95	84892.5	593	88950
ITEM NO.297 Providing and fixing on walls/ ceiling/ floor 32mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.58	200	RMT	465	93000	452.55	90510	475	95000
ITEM NO.298 Providing and fixing on walls/ ceiling/ floor 25mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.57	300	RMT	405	121500	393.75	118125	413	123900
ITEM NO.299 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CRCSR 6-1-2	1750	SMT	1550	2712500	1482	2593500	1554	2719500
ITEM NO.300 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-3	200	SMT	1550	310000	1503	300600	1576	315200
ITEM NO.301 Supply, fabrication, installation and testing of flexible canvas connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	15	NOS	3050	45750	2952	44280	3095	46425

ITEM NO.302 Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	1500	SMT	1100	1650000	1048	1572000	1099	1648500
ITEM NO.303 Providing and applying of acoustic insulation for air ducts with 25mm thick, 48kg/cu.m fiber glass faced with RP tissue and covered with 26SWG perforated aluminium sheets complete. CSR 3-11-84	150	SMT	1250	187500	1191	178650	1249	187350
ITEM NO.304 Supplying, installing and testing of 25 mm thick underdeck insulation. Insulation material shall be Closed Cell Elastomeric Nitrile Rubber. Thermal conductivity of insulation material shall not exceed 0.035 W/(m K) at mean temperature of 0°C as per EN 12667. Moisture Diffusion Resistance Factor or 'μ' value of insulation material shall be minimum 7,000 without any external barrier as per EN 12086. The insulation shall have fire performance such that it passes Class 1 as per BS476 Part 7 for surface spread of flame as per BS 476 and also pass Fire Propagation requirement as per BS476 Part 6 to meet the Class 'O' Fire category as per 1991 Building Regulations (England & Wales) and the Building Standards (Scotland) Regulations 1990 The insulation material shall have fire performance of V0, HB as per UL 94, 1996. Material should be FM (Factory Mutual), USA approved. The insulation material shall be dust and fibre free. Approved MR	2335	SMT	1250	2918750	1215	2837025	1274	2974790
ITEM NO.305 Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45°. CSR 3-11-88	200	JOB	1400	280000	1364	272800	1430	286000
ITEM NO.306 Supply, installation, testing and commissioning of volume control box with collar for control damper of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-81	8	SMT	6450	51600	6265	50120	6569	52552
ITEM NO.307 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size. CSR 3-11-87	10	SMT	7150	71500	6948	69480	7285	72850
ITEM NO.308 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	2	NOS	4900	9800	4750	9500	4980	9960
ITEM NO.309 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	26	NOS	5650	146900	5500	143000	5767	149942
ITEM NO.310 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	2	NOS	6700	13400	6500	13000	6815	13630
ITEM NO.311 Aluminium Extruded Fresh Air & Exhaust Rain Protection Air Louvers with Bird screen Approved MR	6	NOS	12400	74400	12000	72000	12582	75492
ITEM NO.312 Supplying and erecting iron work, sheet metal work consisting of MS sheets, various sections of iron, plates, chequered plates,	550	KG	205	112750	196	107800	206	113300

rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the site engineer.(FOR OUT DOOR UNIT) CSR 6-1-19									
ITEM NO.313 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall integrated with provided fire alarm system. CSR 3-11-79	2	NOS	49800	99600	48544	97088	50898	101796	
ITEM NO.314 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	10	NOS	5450	54500	5268	52680	5524	55240	
ITEM NO.315 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	10	NOS	16300	163000	15884	158840	16654	166540	
ITEM NO.316 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	1	NOS	5500	5500	5352	5352	5612	5612	
ITEM NO.317 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 1400 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	1	NOS	5100	5100	4932	4932	5171	5171	
ITEM NO.318 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq.mm (32 no. x 0.20mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 KV (Control cable) CSR 1-3-13	350	RMT	55	19250	50	17500	52	18200	
ITEM NO.319 Supplying and erecting HMSPV Conduit 20mm dia. with PVC accessories on wall / ceiling as per specification no. WG-MA/CON. CSR 1-2-3	300	RMT	90	27000	84	25200	88	26400	
ITEM NO.320 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 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/CUCSR 7-2-32	80	RMT	410	32800	398	31840	417	33360	
ITEM NO.321 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 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 7-2-33	174	RMT	630	109620	605	105270	634	110316	

ITEM NO.322 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 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 7-2-34	54	RMT	890	48060	867	46818	909	49086
ITEM NO.323 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG-GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	190	RMT	870	165300	846	160740	887	168530
ITEM NO.324 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG-GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-6	200	RMT	610	122000	590	118000	619	123800
ITEM NO.325 Supplying 6A 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-14	75	NOS	55	4125	53	3975	56	4200
ITEM NO.326 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	4	NOS	5450	21800	5268	21072	5524	22096
ITEM NO.327 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	6	NOS	16300	97800	15884	95304	16654	99924
ITEM NO.328 Supplying and erecting SS enclosure of 1.6mm thick with detachable gland plate suitable for upto 100A MCCB. CSR 5-11-17	16	NOS	1050	16800	988	15808	1036	16576
ITEM NO.329 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	9	NOS	2850	25650	2756	24804	2890	26010
ITEM NO.330 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	7	NOS	2800	19600	2722	19054	2854	19978
ITEM NO.331 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. CSR 5-6-6	7	NOS	3200	22400	3092	21644	3242	22694
ITEM NO.332 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GLCSR 7-7-1	76	NOS	75	5700	73	5548	77	5852
ITEM NO.333 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GL. CSR 7-7-2	18	NOS	100	1800	93	1674	98	1764

ITEM NO.334 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-GL CSR 7-7-3	10	NOS	190	1900	185	1850	194	1940
ITEM NO.335 Supply, installation, testing and commissioning air curtain of 6feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-76	12	NOS	23400	280800	22785	273420	23890	286680
ITEM NO.336 Supply, installation, testing and commissioning air curtain of 4feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-75	10	NOS	20200	202000	19616	196160	20567	205670
ITEM NO.337 Providing & erecting 4 Pole MCCB of 200A,415V capacity with short circuit rating 25 kA (Ics=100% of Icu) adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact and MCCB should have phase barriers both sides, in provided enclosure on iron /GI frame as per specification no. SW-SWR/MCCB CSR 5-5-2	1	NOS	11200	11200	10832.4	10832.4	11358	11358
ITEM NO.338 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1	4	NOS	7150	28600	6969.6	27878.4	7308	29232
ITEM NO.339 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 160A, open execution having staggered termination, phase barrier, shroud termination and terminal cover along with auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no. SW-SWR/COS. CSR 5-1-5	1	NOS	8950	8950	8729	8729	9152	9152
ITEM NO.340 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) 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	20	RMT	330	6600	318	6360	333	6660
ITEM NO.341 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 10 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 7-2-17	20	RMT	490	9800	478	9560	501	10020
ITEM NO.342 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 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/ALCSR 7-1-18	10	RMT	520	5200	499	4990	523	5230

ITEM NO.343 Preparing Lawn (30 cm. depth):- Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. 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, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, elinning rolling etc complete PARK AND GARDEN DSR	2614.45	SMT	710	1856259.5	692	1809199.4	726	1898090.7
ITEM TO.344 Preparing flower Bed:-Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed, Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc, Complete. PARK AND GARDEN DSR	1052.758	SMT	710	747458.18	683	719033.714	716	753774.728
ITEM NO.345 GARDEN SOILS Supplying on site garden soil well sieved 90% to pass through IS sieve of 10 mm size free from 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 90 km. considered) PARK AND GARDEN DSR	942.62	CMT	870	820079.4	840	791800.8	881	830448.22
Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)				0		0		0
ITEM NO.346 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupresus. Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	150	NOS	55	8250	50	7500	52	7800
ITEM NO.347 Palm Varities (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8Ft PARK AND GARDEN DSR	90	NOS	1350	121500	1300	117000	1363	122670
ITEM NO.348 Plants required for Landscaping: (Euphorbia, Hemelia, Malpbegra, Mussanda, Ticoma, Song of India, Golden Bamboo, Buddhas Bamboo, Goiden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	150.00	NOS	285	42750	275	41250	288	43200
ITEM NO. 349 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. PARK AND GARDEN DSR	420.00	SMT	670	281400	652	273840	684	287280

ITEM NO. 350 Common Ornamental Shrubs for Shrubbery (1ft grown in poly bag PARK AND GARDEN DSR	350.00	NOS	20	7000	15	5250	16	5600
ITEM NO.351 Codium variegatum Hybrid croton 6 " to 9 " height excluding polybag MCGM R3-GW-5-37	90.00	NOS	50	4500	46	4140	48	4320
ITRM NO. 352 Samanea saman Rain tree 4' to 5' height excluding polybag MCGM R3-GW-5-295	90	NOS	85	7650	81	7290	85	7650
ITEM NO. 353 Roheo discolor Rhoeo Nana 4" to 6" height excluding polybag MCGM R3-GW-5-145	45	NOS	15	675	12	540	13	585
ITEM NO. 354 Roheo discolor Rhoeo Tall 4" to 6" height excluding polybag MCGM R3-GW-5-146	120	NOS	25	3000	23	2760	24	2880
ITEM NO.355 Delonix regia Gulmohar 4' to 5' height excluding polybag MCGM R3-GW-5-261	50	NOS	85	4250	81	4050	85	4250
ITEM NO.356 Verbena 6 " to 9 " height excluding polybag MCGM R3-GW-5-158	120	NOS	20	2400	17	2040	18	2160
ITEM NO.357 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding polybag MCGM R3-GW-5-40	120	NOS	25	3000	23	2760	24	2880
ITEM NO.358 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding polybag MCGM R3-GW-5-39	120	NOS	25	3000	23	2760	24	2880
ITEM NO.359 Mangifera indica Mango 4' to 5' height excluding polybag MCGM R3-GW-5-284	50	NOS	150	7500	144	7200	151	7550
ITEM NO.360 P.V.C. pipe 15mm dia.10kg/cm2 pressure(class IV) SSR 178/535	200	RMT	35	7000	33.6	6720	35	7000
ITEM NO.361 P.V.C. pipe 20mm dia.10kg/cm2 pressure(class IV) SSR 179/535	150	RMT	65	9750	63	9450	66	9900
ITEM NO.362 P.V.C. pipe 25 mm dia.10kg/cm2 pressure(class IV) SSR 180/535	300	RMT	90	27000	84	25200	88	26400
ITEM NO.363 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.55	250	RMT	290	72500	279.3	69825	293	73250
ITEM NO.364 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.56	250	RMT	335	83750	325.5	81375	341	85250
ITEM NO.365 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.SSR 42.57	210	RMT	405	85050	393.75	82687.5	413	86730
ITEM NO.366 Providing and fixing 50mm diameter water meter with non-return valve including strainer, sockets/ union nut and including water meter box making locking	2	NOS	16800	33600	16328.55	32657.1	17120	34240

arrangements and lock. [Without chamber]. SSR 41.30									
ITEM NO.367 Supplying and erecting GI pipe 15 mm dia. 'B' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-1	45	RMT	195	8775	187	8415	196	8820	
ITEM NO.368 Supplying and erecting ISI mark GI pipe 20 mm dia. 'B' class at position with accessories complete as per specification no. CW- PLB/GP. CSR 16-5-2	65	RMT	245	15925	235	15275	246	15990	
ITEM NO.369 Supplying and erecting ISI mark GI pipe 25 mm. dia. 'B' class at position with accessories complete. Specification no. CW- PLB/GP. CSR 16-5-3	55	RMT	340	18700	327	17985	343	18865	
ITEM NO.370 Supplying and erecting ISI mark GI pipe 32 mm dia. 'B' class at position with accessories complete. Specification no. CW-PLB/GP. CSR 16-5-4	50	RMT	395	19750	381	19050	399	19950	
ITEM NO.371 Supplying and erecting ISI mark GI pipe 40 mm. dia. 'B' class at position with accessories complete. Specification no. CW- PLB/GP. CSR 16-5-5	25	RMT	445	11125	433	10825	454	11350	
ITEM NO.372 Supplying and erecting 25 mm dia. gun metal sluice valve at position with necessary materials complete. CSR 16-6-13	2	NOS	930	1860	903	1806	947	1894	
ITEM NO.373 Supplying and erecting 40 mm. dia. gun metal sluice valve at position with necessary materials complete. CSR 16-6-14	3	NOS	1800	5400	1737	5211	1821	5463	
ITEM NO.374 Ball valves for 50mm dia. SSR 294/538	8	NOS	1750	14000	1676.85	13414.8	1758	14064	
ITEM NO.375 Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF FFA/ARV CSR 13-8-13	6	NOS	910	5460	884	5304	927	5562	
ITEM NO.376 Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfe seat ring, solvent weld - 50 mm. MCGM GW-4-8-a	2	NOS	2650	5300	2563	5126	2687	5374	
ITEM NO.377 Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfe seat ring, solvent weld - 75 mm. MCGM GW-4-8-b	1	NOS	7450	7450	7229	7229	7580	7580	
ITEM NO.378 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete SSR 42.52	40	RMT	850	34000	827.4	33096	868	34720	
ITEM NO.379 Providing and fixing 75 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. completeSSR 42.51	60	RMT	660	39600	637.35	38241	668	40080	
ITEM NO.380 R.C.C pipe Np2 class 150mm dia. 2m long SSR 853/541	10	RMT	375	3750	363.3	3633	381	3810	
ITEM NO.381 Light weight impact type sprinkler with SS retraction spring, 1/2" m threaded inlet full circle with bayonet nozzle 2.5 x 1.8 mm giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, 9 x 12 m, 10 x 12	30	NOS	305	9150	294	8820	308	9240	

m or 12 x 12 m. operating pressure 3 kgf.IS:12232-1 MCGM GW-4-4-d									
ITEM NO.382 Modular sprinkler with plastic stake assembly -operating pressure 1.5 to 3 kgf. flow rate 25 to 400 lph. with nozzle for minimum 90% distribution uniformity at specified spacing MCGM GW-4-4-b	5	NOS	75	375	73	365	77	385	
ITEM NO. 383 Sand Filter 800 Filter, Manufactured by simultaneously injecting fiber and resin. Fitted with PVC collectors, diffuser, pressure gauge, manual air bleed and drain valve. 1.5" PVC Multiport valve and Initial Charge of Filter Media. Make: Pentair and Equivalent Approved MR	3	NOS	87000	261000	84835	254505	88950	266850	
ITEM NO.384 Pump for Pool Filter Type : Basket Strainer Hose Power : 4-6 HP Make : Leo and Equivalent Approved MR	3	NOS	63700	191100	62126	186378	65139	195417	
ITEM NO.385 Suction Sweeper with Maintenance Kit: Vacuum Head, Floating Hose of 9 Meters Length, 2 x 2.4 M Length Telescopic Handle, Leaf Rake, 18" Wall Brush, pH and Chlorine Test Kit, Make : Emaux and Aarav Enterprises Approved MR	3	SET	30800	92400	30019	90057	31475	94425	
ITEM NO.386 Drain Cover Make : Emaux Approved MR	2	NOS	2450	4900	2350	4700	2464	4928	
ITEM NO.387 Suction Cover Make : Emaux Approved MR	2	NOS	2450	4900	2350	4700	2464	4928	
ITEM NO.388 Vacuum Nozzle Make : Emaux Approved MR	2	NOS	1100	2200	1045	2090	1096	2192	
ITEM NO.389 Floor Inlet Make : Emaux Approved MR	6	NOS	940	5640	914	5484	958	5748	
ITEM NO.390 Panel Board For LED Lights(Warm Colour) Made from Mild Steel Sheets to house Drivers with controls. Make : Aarav Enterprises Approved MR.	16	NOS	9650	154400	9398	150368	9854	157664	
ITEM NO.391 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 minimum 2 Year warranty as per specification No FG-ODF/BL.CSR 2-3-19	90	NOS	6300	567000	6115	550350	6412	577080	
ITEM NO.392 Supplying and erecting Uplighter Wall lights (OWL 406) Wall lights led:- 2X18w/ 2X40w with high transitivity diffuser -Clear/Frosted Toughened Glass. CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	20	NOS	4650	93000	4500	90000	4718	94360	
ITEM NO.393 Fountain (SP-ME-TS-75) MCGM GW-4-5				0		0		0	
Foam Bubble/ Geyser jet fitted on universal ball joint MCGM GW-4-5-b	6	NOS	6100	36600	5914	35484	6201	37206	

SS 304 Framed mesh cover MCGM GW-4-5-b	3	NOS	17400	52200	16936	50808	17757	53271
Monobloc Submersible Pump MCGM GW-4-5-c	1	NOS	67800	67800	66128	66128	69335	69335
IP 68 TYPE PProgramable submersible Lights MCGM GW-4-5-d	8	NOS	31400	251200	30579	244632	32062	256496
Fabricated MS powder coated control panel MCGM GW-4-5-e	1	NOS	26100	26100	25404	25404	26636	26636
Necessary G.I / PVC plumbing pipes, fittings , valves MCGM GW-4-5-f	2	SET	52100	104200	50809	101618	53273	106546
Necessary electrical cabling MCGM GW-4-5-g	2	JOB	43500	87000	42340	84680	44393	88786
Spot Light MCGM GW-4-5-h	10	NOS	1950	19500	1882	18820	1973	19730
ITEM NO.394 Installation Programing Caliberation with excecution Digital Analogue Semi Mixing Console Sound Craft SI Impact/ 32 Input Approved MR	1	NOS	332500	332500	324300	324300	340029	340029
ITEM NO.395 Installation Programing Caliberation with excecution Instrumental Microphone Shure SM 57 Approved MR	1	NOS	10300	10300	10005	10005	10490	10490
ITEM NO.396 Installation Programing Caliberation with excecution Vocal Microphone Shure SM 58 Approved MR	1	NOS	11700	11700	11385	11385	11937	11937
ITEM NO.397 Installation Programing Caliberation with excecution Wirelless Handhel Microphone Shure SVX24IN/PG58 Approved MR	1	NOS	26500	26500	25806	25806	27058	27058
ITEM NO.398 Installation Programing Caliberation with excecution Wirelless Lapel Microphone Shure SVX14/CVL Approved MR	1	NOS	27600	27600	26910	26910	28215	28215
ITEM NO.399 Installation Programing Caliberation with excecution Goose Neck Microphone Shure MX 418/C Approved MR	1	NOS	28700	28700	27970	27970	29327	29327
ITEM NO.400 Installation Programing Caliberation with excecution Hi Net Microphone for Chorus PGA 81 Approved MR	1	NOS	12700	12700	12351	12351	12950	12950
ITEM NO.401 Installation Programing Caliberation with excecution Genreal Purpose Microphone Shure PGA 58 Approved MR	1	NOS	5950	5950	5796	5796	6077	6077
ITEM NO.402 Installation Programing Caliberation with excecution Drumkit Microphone PGDMK -7 Approved MR	1	SET	53100	53100	51750	51750	54260	54260
ITEM NO.403 Installation Programing Caliberation with excecution Satge Box Approved MR	14	NOS	10700	149800	10350	144900	10852	151928
ITEM NO.404 Installation Programing Caliberation with excecution Amphenol XLR & RCA Connector Approved MR	1	SET	35400	35400	34500	34500	36173	36173
ITEM NO.405 Installation Programing Caliberation with excecution 32 U WQ Exhaust Rack With Shelf & Power Approved MR	1	NOS	51700	51700	50370	50370	52813	52813
ITEM NO.406 Installation Programing Caliberation with excecution Snake Cables & Connector Percon Approved MR	75	RMT	1800	135000	1725	129375	1809	135675
ITEM NO.407 Installation Programing Caliberation with excecution Speaker Cable 2.5 sqmm Approved MR	150	RMT	230	34500	220	33000	231	34650

ITEM NO 408 Installation Programming Calibration with execution Speaker Cable 4.00 Sqmm Approved MR	300	RMT	400	120000	390	117000	409	122700
ITEM NO 409 Installation Programming Calibration with execution Sommer Interconnect Cables Approved MR	1	SET	42500	42500	41400	41400	43408	43408
ITEM NO 410 2000W active, portable loudspeaker system; 10-inch woofer; 1.0-inch compression driver; 90 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. Approved MR	4	NOS	138000	552000	134620	538480	141149	564596
ITEM NO 411 18" ported, 1500W subwoofer with integrated casters. Approved MR	2	NOS	276800	553600	269985	539970	283079	566158
ITEM NO 412 2000W active portable loudspeaker system; 12-inch woofer; 1.0-inch compression driver; 75 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. INCLUDES 1x EU CABLE IN CARTON Approved MR	4	NOS	139800	559200	136300	545200	142911	571644
ITEM NO.413 2000W active, portable loudspeaker system; 12-inch woofer; 1.0-inch compression driver; 105 degree conical waveguide; dual angle pole socket; presets and user adjustable DSP. For use as main or stage monitor. INCLUDES 1x EU CABLE IN CARTON Approved MR	2	NOS	154100	308200	150282	300564	157571	315142
ITEM NO.414 Unified Series Core with 24 local I/O channels, 128x128 network I/O channels, dual LAN ports, telephone POTS, 16x16 GPIO, 16 AEC channels, 1RU Approved MR	1	NOS	442500	442500	431595	431595	452527	452527
ITEM NO 415 4 channels, 2000 watts burst power/ch @ 4Ω, Q-LAN network input from Q-Sys Core Approved MR	2	PC	312800	625600	305100	610200	319897	639794
ITEM NO 416 4 channels, 1400 watts burst power/ch @ 4Ω, Q-LAN network input from Q-Sys Core Approved MR	1	PC	253200	253200	246980	246980	258959	258959
ITEM NO 417 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means SSR 21.02 / 153	2185.35	CMT	225	491703.75	217.35	474985.8225	228	498259.8
ITEM NO 418 Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	50	CMT	280	14000	270.9	13545	284	14200
ITEM NO 419 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	2235.35	CMT	485	1084144.75	468.37	1046970.88	491	1097556.85
ITEM NO 420 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	447.07	CMT	130	58119.1	126	56330.82	132	59013.24
ITEM NO 421 Filling in plinth and floors with contractors material/brought from outside and approved	4082.55	CMT	1250	5103187.5	1212.59	4950459.305	1271	5188921.05

by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. SSR 21.37 / 157								
ITEM NO 422 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR 21.38 / 157	404.915	CMT	3350	1356465.25	3240.42	1312094.664	3398	1375901.17
ITEM NO423 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 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) (PCC) SSR 24.10 / 176	296.6875	CMT	8650	2566346.88	8391.86	2489759.964	8799	2610553.31
ITEM NO 424 Providing and laying Cast in situ/Ready Mix cement concrete M-30 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 stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surface 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) SSR 25.15/178	225.2295	CMT	9400	2117157.3	9130.61	2056482.725	9573	2156122
ITEM NO 425 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal fo R.C.C. columns as per detailed designs and drawing 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) SSR 25.35/180	84.96	CMT	16600	1410336	16143.56	1371556.858	16927	1438117.92
ITEM NO 426 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel 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	128.52	CMT	15000	1927800	14552.81	1870327.141	15259	1961086.68

mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25 54 / 181									
ITEM NO 427 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, 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) SSR 25 74 / 183	89.735	CMT	16800	1507548	16300.01	1462681.397	17091	1533660.89	
ITEM NO 428 Providing and fixing in position TMT - FE - 500 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. SSR 26 33 / 188	103	MT	96600	9949800	94188.15	9701379.45	98756	10171868	
ITEM NO 429 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete SSR 27 05 / 197	680.9391 45	CMT	10300	7013673.1 9	10027.16	6827885.757	10513	7158713.23	
ITEM NO 430 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 1 kg per 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 SSR 32.11 / 209	4142.63	SMT	720	2982693.6	700.64	2902492.283	735	3044833.05	
ITEM NO.430A Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	630	SMT	315	198450	305.4	192402	320	201600	
ITEM NO 431 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface, scaffolding etc. complete. SSR 32.32/211	3372.63	SMT	680	2293388.4	659.4	2223912.222	691	2330487.33	
ITEM NO 432 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32.27/210	762.5	SMT	155	118187.5	151.2	115290	159	121237.5	
ITEM NO.433 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per	50	SMT	940	47000	913.5	45675	958	47900	

drawing etc. complete.(Weight of 5.5 kg/sq.m.) SSR 38.04/233								
ITEM NO.434 Providing, fixing transporting and lifting upto 75ft of 80/114 mm corrugated Jinroc Roof Panel. Continuous line Mineralwool / Rockwool insulated corrugated panel having trapezoidal profile with max crest height of 34mm at maximum pitch of 250mm with Top & Bottom 0.5mm TCT PPGI sheet. The stonewool insulation shall be non-combustible grade of density 100 Kg/m3 with permissible tolerance as per IS 8183 and core shall be certified by EUCEB as noncarcinogenic, bio-soluble. The insulation material should be completely non-combustible having class A1 as per EN13501-1, shall have melting point of more 10000C as per ASTM E794; approved by fire test standards UL 723 and ASTM E84, the SDI and FSL value should be 0 as per the UL 723 testing. The Stonewool slab shall be cut into Lamella, rotated & uniformly glued through online oscillation process using PU based glue of reputed make and ensure high adhesive uniformity & proper bonding with sheet. Panel shall be joined together using tongue & groove joinery with max tolerance of 3mm and shall be packed online before the transportation to avoid scratches. The top profiled sheet of 0.5mm TCT PPGI and bottom Micro Ribbed of 0.5mm PPGI								
Sheet shall be of minimum 240 MPa RMP 120 GSM without guard film, 5- 7microns epoxy primer on both side of the sheet and polyester top coat 20-25 micron. The sheet shall have plastic protective guard film of minimum 25 micron to avoid scratches during transportation – Kingspan Jindal. Providing and fixing Flashing for aesthetic and support (girth up to 600 mm) Providing and fixing Gutter (girth up to 900 mm), (PVC nozzle length 300mm) (PPGI - 0.5mm thick) Fire Rated 2 Hr Approved MR	889.2	SMT	6800	6046560	6609	5876722.8	6930	6162156
ITEM NO 435 Providing Autoclaved Aerated Concrete Block masonry of Ecolite or equivalent make conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock 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 1) - 1972) SSR 27.15/198	58.512	CMT	7950	465170.4	7707	450951.984	8081	472835.472
ITEM NO 436 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc. complete. With colour Anodising with box SSR 39.41 / 253	7.2	SMT	5950	42840	5777.1	41595.12	6057	43610.4
ITEM NO 437 a) Supplying and fixing in position b) Powder Coated Aluminium four track sliding	216	SMT	7150	1544400	6962.55	1503910.8	7300	1576800

<p>windows with outer frame made from section of over all size 122 mm x 45 mm, bottom section with drain section track weighing 1.83Kilogramper metre and top and side section of size 122x 31.75 mm weighing 1.15Kilogramper running metre with shutter sections made of 18 mm x 40 mm size having average weight of 0.6Kilogramper running metre (or as required size) with change in proportionate weight, with 6 mm float glass in three equal panels and alluminium coated stainless steel mosquito net in one (2/3 of opening) panel fixed with new neoprene gasket, shutters to be provided with nylon encased stainless steel rollers, necessary locks and handles complete. SSR 39.45B/255</p>								
<p>ITEM NO 438 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc. complete. b) With powder coating Note Whilearriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered.SSR 39.55/257</p>	10.8	SMT	6800	73440	6596.1	71237.88	6916	74692.8
<p>ITEM NO 439 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39.53B/257</p>	108	SMT	6200	669600	6001.8	648194.4	6293	679644
<p>ITEM NO.440 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below: S.No. Name of the test Test Method Specified Parameter 1 Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2 Vicat Softening Temperature EN ISO - 306 Shall not be < 750C 3 Charpy, Impact Strength EN ISO - 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity EN ISO - 178 Shall not be < 2200 N/mm2 5 Mean Breaking Stress for welded corner (a) For the tensile bending test EN - 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS 4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7 Classification 1 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa 11 Tensile Strength EN ISO 527 Shall not be < 30 MPa.</p>								
<p>All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door</p>								

shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54.09/517								
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	60	SMT	11300	678000	11019.75	661185	11554	693240
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm.	64.8	SMT	10400	673920	10060.05	651891.24	10548	683510.4
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	24	SMT	9000	216000	8759.1	210218.4	9184	220416
ITEM NO 441 Extra For Double Glazed 8 mm thick plain / frosted / tinted glass MCGM R3-CS-AW-15-f	324	SMT	2600	842400	2510	813240	2632	852768
ITEM NO 442 Providing and laying telephone black / Amba White / Cadburybrown / Ruby 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/moulding the sharp edges wherever necessary, curing, etc. complete. SSR 33 68/220	178.11	SMT	4750	846022.5	4623.29	823454.1819	4848	863477.28
ITEM NO 443 Providing and laying full body heavy duty, scratch resistant, high abrasion resistant vitrified mirror / glossy/ matt finish tiles for flooring decorative type having size 800 X 800, 1000 X 1000, 800 X 2400 mm (approved size) etc. of 10 to 12 mm thickness and conforming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, approved colour grout, curing and clearing etc. complete. Approved MR	1280	SMT	4200	5376000	4069	5208320	4266	5460480
ITEM NO 444 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thickness 30 MM), with base of 8 mm thk Marine grade plywood. Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	50	SMT	11300	565000	10980	549000	11513	575650
ITEM NO 445 Wooden floor tiles (including skirting) Providing & laying Hardwood flooring (strip format)with standard specifications, Board constructedwith 3 layers. Top layer of 3 to 6 mm thk veneer. Core material of high density fiber board, and balancing layer, Wood species of as per selection (oak, Walnutm Teak, Ash and other exotic species). The surface to be pre- finished with UV hardner acrylic hardner, free of formaldehyde and solvents. Finish of Top layer to be Matt or Satin or brushed having resistance to house hold chemicals & stains and not to change colour. RA Spec. As directed by Engineer-In-Charge.	100	SMT	6850	685000	6645	664500	6967	696700
ITEM NO446 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material of Ambuja / Mor Chap or equivalent make) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc complete SSR 32.30/211	254.4	SMT	620	157728	600.6	152792.64	630	160272

ITEM NO 447 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR 40.01 / 264	720	SMT	2300	1656000	2201.85	1585332	2309	1662480
ITEM NO. 448 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR								
Gym equipment								
Forearm twirl	6	NOS	31600	189600	30791	184746	32284	193704
SIT up board	6	NOS	56500	339000	55066	330396	57737	346422
Air walker	6	NOS	76500	459000	74603	447618	78221	469326
8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+aerial stroller)	6	NOS	491100	2946600	479004	2874024	502236	3013416
ITEM NO.449 Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46.19/297	150	SMT	50	7500	47.25	7087.5	50	7500
ITEM NO.450 Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. SSR 46.09/296	100	CMT	365	36500	351.75	35175	369	36900
ITEM NO.451 Dismantling stone masonry in lime or cement mortar including stacking the materials as directed with all leads, lifts etc. SSR 46.11/296	50	CMT	410	20500	399	19950	418	20900
ITEM NO.452 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete.SSR 46.29/297	168	CMT	1600	268800	1523.55	255956.4	1597	268296
ITEM NO 453 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthen 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 10.0 to 19.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) SSR 12.24/86	2500	HRS	245	612500	234.15	585375	246	615000
ITEM NO. 454 BAFFLE WOOD CEILING Suspended wood baffles with the help of cables upto 6mm/required MS/GI/Aluminium section from the roof having acoustic properties and Elongated various shape baffles made with High Density Board, Solid Wood Durable Coating, Corrosion Resistant, Tamper Proof with approved Finish material Completed as per specification and drawings as per Engineer in charge Approved MR	264	SMT	16100	4250400	15650	4131600	16409	4331976
ITEM NO 455 Providing & Fixing in position, Acoustical Panelling made from 12mm wp Ply wood & 1.5mm laminate on, 50 x 50 mm Sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut-Outs, decorative mouldings / finishing-items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour, finishing etc complete SSR 51.04/352	312.5	SMT	5500	1718750	5344.5	1670156.25	5604	1751250

ITEM NO.456 Providing & Fixing in position. Fabric wrapped Compressed polyester fibre nonwoven 9mm panels above the wood wool board panelling or existing sal wood frame, using adhesive, as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour. finishing etc complete SSR 51.11/354	337.5	SMT	3200	1080000	3097.5	1045406.25	3248	1096200
ITEM NO.457 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size: 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4 40 mm thick and cement slurry, 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 as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S. & P.) or Equivalent. MCGM R3-RW-3-38	250	SMT	1150	287500	1090	272500	1143	285750
ITEM NO. 458 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. MCGM R3-RW-3-37	360	SMT	3650	1314000	3547	1276920	3719	1338840
ITEM NO 459 Providing & fixing in the footpath Combi-Paver having average crushing strength not less than 80 N/mm ² as per technical specifications and IS Code 15658:2006; shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer.NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S. & P.) or Equivalent. Approved MR	910	SMT	1900	1729000	1850	1683500	1940	1765400
ITEM NO 460 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.	406	SMT	1950	791700	1873.29	760555.74	1964	797384

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 Mortar 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-in-charge or Landscape architect etc. complete. (prior approval of superintending Engineer will be necessary) SSR 54.01 / 513								
ITEM NO 461 Providing and casting in situ or precast tapering R.C.C. M-20 Semi 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 Incharge. Using Concrete Batching and Mixing Plant SSR 7.05/69	450	RMT	2450	1102500	2368.01	1065604.5	2483	1117350
ITEM NO 462 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 titanium oxide, and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufacturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/ 346	2871.88	SMT	405	1163111.4	390.6	1121756.328	410	1177470.8
ITEM NO 463 Supply and Installation of 65" Crystal 4K UHD Smart TV Make Samsung, sony Complete Approved MR	5	NOS	160000	800000	156000	780000	163566	817830
ITEM NO 464 Supply and Installation of Computer with monitor 21" Intel i7, Ram 16 GB ,Storage Graphics 4GB capable for Running software for all software .Storage 1 TB +256 SSD With Keyboard Mouse Complete Approved MR	5	NOS	279900	1399500	273000	1365000	286241	1431205
ITEM NO 465 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm. HDMI port, USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears. complete as per specification provided by engineer in charge Approved MR	4	NOS	184600	738400	180000	720000	188730	754920
ITEM NO 466 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears. complete as per specification provided by engineer in charge Approved MR	3	NOS	830400	2491200	810000	2430000	849285	2547855

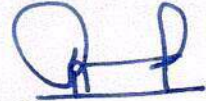
ITEM NO.467 Supplying and fixing Stone sculpture/statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	1	JOB	1665800	1665800	1625000	1625000	1703813	1703813
ITEM NO.468 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	13550	KG	250	3387500	242	3279100	254	3441700

वरील कामी मे. गजानन कंस्ट्रक्शन यांनी रु.20,03,68,741/- (अंदाजपत्रकिय दराची) निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05सप्टेंबर 2024 अन्वये सदर कामास तत्वतः मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

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 असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाद्वारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(अनिलकुमार पवार, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना