

MIRA-BHAINDAR MUNICIPAL CORPORATION
SCHEDULE 'B'

Proposed Construction of A Mahila Bhavan on a Amenity open space plot village Goddev, Golden Nest, within the Mira Bhayandar Municipal Corporation Area.

Item No	Quantity as per Sanctioned Estimate	Item of Work	Estimated Rate			Unit	Total Amount according to estimated quantities	Specification		Additional Specification
			In Figures		In Words			Clause No	Page No	
			Rs.	Ps.	Rs.					
1	2	3	4	5	6	7	8	9	10	11
1		SUB STRUCTURE								
1	1.00	ITEM NO 01 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters . Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site foundation and remedies. SSR 1.57/20	40656	0	Rupees Fourty Thousand Six Hundred FiftySix Only	Report	40656.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
2	5.00	ITEM NO 02 Cutting down trees including trunks and branches with girths above 30cm to 60cm and stacking the materials neatly with all lifts and lead of 1000m. As directed and earth filling in the depression/pit if any. SSR 2.01/23	536	55	Rupees Five Hundred ThirtySix Paise FiftyFive Only	NOS.	2682.75			MORTH 201 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
3	5.00	ITEM NO 03 Cutting down trees including trunks and branches with girths above 60cm to 90cm and stacking the materials neatly with all lifts and lead of 1000m. As directed and earth filling in the depression/pit if any. SSR 2.02/23	889	35	Rupees Eight Hundred EightyNine Paise ThirtyFive Only	NOS.	4446.75			MORTH 201 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
4	1165.79	ITEM NO 04 Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area . SSR 2.07/23	4	2	Rupees Four Paise Twenty Only	SMT	4896.32			MORTH 201 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

5	19.00	ITEM NO 05 Empty boring for 525 to 600 mm dia. bored R.C.C. cast in situ piles including withdrawal of shell, removal of earth to a distance of 50 metres etc. complete. Spec :(As directed by Engineer in Charge) SSR 22.52/171	1414	4	Rupees One Thousand Four Hundred Fifteen Paise Fourty Only	RMT	26892.60			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
6	1824.00	ITEM NO 06 Empty boring for 725 to 1050 mm dia. bored R.C.C. cast in situ piles including withdrawal of shell, removal of earth to a distance of 50 metres etc. complete. Spec :(As directed by Engineer in Charge) SSR 22.54/171	1559	25	Rupees One Thousand Five Hundred FiftyNine Paise TwentyFive Only	RMT	2844072.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
7	63.31	ITEM NO 07 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	3240	42	Rupees Three Thousand Two Hundred Fourty Paise FourtyTwo Only	CMT	205150.34			Bd.A. 12 PageOne Number 264 As per Instruction given by Executive Engineer/
8	41.29	ITEM NO 08 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) SSR 24.10/176	8391	86	Rupees Eight Thousand Three Hundred NinetyOne Paise EightySix Only	CMT	346491.51			Bd.E.4 Page One Number 289 and B-7, Page One Number 38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

9	19.00	ITEM NO 09 Providing and laying cast in situ / Ready Mix Cement Concrete M-30 for bored piles each of load capacity and as per design and of 600 mm diameter or as directed placed through steel shells sunk to the required depth through all strata except rock excluding provision of reinforcement as per detailed drawings and design approved by the Engineer-in- charge including placing 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) by tremie arrangements, compaction of concrete including chipping and dressing and withdrawal of shell etc. complete. (Excluding steel reinforcement) SSR 22.29/166	6260	96	Rupees Six Thousand Two Hundred Sixty Paise NinetySix Only	RMT	118958.24			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
10	1920.00	ITEM NO 10 Providing and laying cast in situ / Ready Mix Cement Concrete M-30 for bored piles each of load capacity and as per design and of 800 mm diameter. or as directed placed through steel shells sunk to the required depth through all strata except rock excluding provision of reinforcement as per detailed drawings and design approved by the Engineer-in- charge includingplacing 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) by tremie arrangements, compaction of concrete including chipping and dressing and withdrawal of shell etc. complete. (Excluding steel reinforcement) SSR 22.33/167	8449	16	Rupees Eight Thousand Four Hundred FortyNine Paise Sixteen Only	RMT	16222387.20			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
11	97.00	ITEM NO 11 Chipping and dressing of the R.C.C. piles upto 0.60 meter including cleaning reinforcement and removal of dismantled materials upto a distance of 50 meter beyond the building area etc. for providing pile caps. Spec :(As directed by Engineer in Charge.) SSR 22.55/171	781	2	Rupees Seven Hundred EightyOne Paise Twenty Only	NOS.	75776.40			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

12	1843.00	ITEM NO 12 Providing bentonite slurry process for various diameter of piles vide Item Nos 1 (i to xxiv) above. Spec : (As directed by Engineer in Charge) SSR 22.56/171	84	0	Rupees EightyFour Only	RMT	154812.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
13	5.00	ITEM NO 13 Chiseling through pile shells in hard strata like boulders, soft and hard rocks Beyond 550 mm and upto and inclusive of 750 mm dia. including removing and stacking the loose materials etc. complete and disposing of the unserviceable materials outside complete. SSR 22.40 / 169	1505	7	Rupees One Thousand Five Hundred Five Paise Seventy Only	RIG HRS	7528.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
14	480.00	ITEM NO 14 Chiseling through pile shells in hard strata like boulders, soft and hard rocks Beyond 750 mm and upto and inclusive of 900 mm dia including removing and stacking the loose materials etc. complete and disposing of the unserviceable materials outside complete. SSR 22.41 / 169	1741	95	Rupees One Thousand Seven Hundred FortyOne Paise NinetyFive Only	RIG HRS	836136.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
15	1.00	ITEM NO 15 Carrying out load test for 1.5 times the proposed safe working load on the pile in driven position above 550 mm and upto 650 mm diameter including construction of test cap, use of accessories and instruments including providing graphs as per I.S. code or Std.Specifications and dismantling the test cap after testing and cleaning the site complete SSR 22.45/170	185572	8	Rupees One Lakh EightyFive Thousand Five Hundred SeventyTwo Paise Eighty Only	NOS.	185572.80			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
16	2.00	ITEM NO 16 Carrying out load test for 1.5 times the proposed safe working load on the pile in driven position above 750 mm and upto 825 mm diameter including construction of test cap, use of accessories and instruments including providing graphs as per I.S. code or Std.Specifications and dismantling the test cap after testing and cleaning the site complete. SSR 22.47/170	281554	35	Rupees Two Lakh EightyOne Thousand Five Hundred FiftyFour Paise ThirtyFive Only	NOS.	563108.70			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

17		ITEM NO 17 Carrying out low strain pile integrity test on 300mm / 350 mm / 400mm diameter pile including all arrangements for test, equipments/accessories, materials, labour, submission of test report etc but excluding the cost of installation of job pile (installation of pile shall be paid seperately as per relevent items)all complete as per specification and as directed by the engineer-in-charge. MCGM R3-CS-PLG-14								
	1.00	600 mm MCGM R3-CS-PLG-14.3	2750	0	Rupees Two Thousand Seven Hundred Fifty Only	NOS.	2750.00			As per Instruction given by Executive Engineer/ Site
	96.00	800 mm MCGM R3-CS-PLG-14.4	3850	0	Rupees Three Thousand Eight Hundred Fifty Only	NOS.	369600.00			As per Instruction given by Executive Engineer/ Site
18	330.31	ITEM NO 18 Providing and laying Ready Mix cement concrete M-35 of trap metal for R.C.C. pile caps as per detailed designs and drawings, including bailing out water manually, centering, formwork, laying/ pumping, compacting, finishing and curing etc. 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) complete.(Excluding steel reinforcement) SSR 22.61 / 172(RA)	9444	56	Rupees Nine Thousand Four Hundred FourtyFour Paise FiftySix Only	CMT	3119651.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
19	130.90	ITEM NO 19 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	94188	15	Rupees NinetyFour Thousand One Hundred EightyEight Paise Fifteen Only	MT	12329228.84			Bd.F.17, Page One Number 306 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SUPER STRUCTURE			0					

20	5.00	ITEM NO 20 Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. SSR 46.09/296	351	75	Rupees Three Hundred FiftyOne Paise SeventyFive Only	CMT	1758.75			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
21	1.50	ITEM NO 21 Dismantling stone masonry in lime or cement mortar including stacking the materials as directed with all leads, lifts etc. SSR 46.11/296	399	0	Rupees Three Hundred NinetyNine Only	CMT	598.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
22	194.25	ITEM NO 22 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	1523	55	Rupees One Thousand Five Hundred TwentyThree Paise FiftyFive Only	CMT	295953.76			As per Instruction given by Executive Engineer/ Site Engineer during execution of work(Upto M30)
23	10.00	ITEM NO.23 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	47	25	Rupees FourtySeven Paise TwentyFive Only	SMT	472.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
24	720.00	ITEM NO 24 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	234	15	Rupees Two Hundred ThirtyFour Paise Fifteen Only	HRS	168588.00			BR 4 Page No 104.105 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
25	1808.69	ITEM NO 25 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	217	35	Rupees Two Hundred Seventeen Paise ThirtyFive Only	CMT	393118.77			Bd.A.1 Page One Number 259 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

26	1317.00	ITEM NO 26 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	270	9	Rupees Two Hundred Seventy Paise Ninety Only	CMT	356775.30			Bd.A.1 Page One Number 259 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
27	355.50	ITEM NO 27 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 3m to 4.5m) By Mechanical Means SSR 21.04/153 Pg 6/ xix a	325	8	Rupees Three Hundred TwentyFive Paise Eight Only	CMT	115565.94			Bd.A.1 Page One Number 259 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
28	206.70	ITEM NO 28 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	126	0	Rupees One Hundred TwentySix Only	CMT	26044.20			Bd.A.10 PageOne Number 262 As per Instruction given by Executive Engineer/
29	2221.61	ITEM NO 29 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	1212	59	Rupees One Thousand Two Hundred Twelve Paise FiftyNine Only	CMT	2693907.16			Bd.A.11 Page One Number 263 As per Instruction given by Executive Engineer/
30	3476.24	ITEM NO 30 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	468	37	Rupees Four Hundred SixtyEight Paise ThirtySeven Only	CMT	1628167.81			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

31	1160.48	ITEM NO 31 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-I) to the soil along the external face of building by punching holes of 1.2 of 1.5 C.M. diameter about 30 -60 cm deep at 15 cm c/c as close to the wall as possible and to inject 0.5 percent of aldrin or clorophyrifos at the rate of 7.5 litres per hole and sealing the same with proper filling and covering 10 years guarantee on bond paper. SSR 21.25/156	184	8	Rupees One Hundred EightyFour Paise Eighty Only	SMT	214456.70			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
32	317.33	ITEM NO 32 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	3240	42	Rupees Three Thousand Two Hundred Fourty Paise FourtyTwo Only	CMT	1028285.72			Bd.A. 12 PageOne Number 264 As per Instruction given by Executive Engineer/
33	217.43	ITEM NO 33 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) SSR 24.10/176	8391	86	Rupees Eight Thousand Three Hundred NinetyOne Paise EightySix Only	CMT	1824665.62			Bd.E.4 Page One Number 289 and B-7, Page One Number 38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

34	53.90	ITEM NO 34 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	9130	61	Rupees Nine Thousand One Hundred Thirty Paise SixtyOne Only	CMT	492149.01			Bd.F.3 Page One Number 298 and B.7, Page One Number38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
35	10.80	ITEM NO 35 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	16143	56	Rupees Sixteen Thousand One Hundred FourtyThree Paise FiftySix Only	CMT	174350.45			Bd.F.5 Page One Number 300 and B.7,Page.One Number 38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

36	490.23	ITEM NO 36 Providing and laying Cast in situ/Ready Mix cement concrete M-35 of trap / granite/quartzite/ gneiss metal for 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 without SCAD Aenabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.37/180	16240	16	Rupees Sixteen Thousand Two Hundred Fourty Paise Sixteen Only	CMT	7961414.12			Bd.F.5 Page One Number 300 and B.7,Page.One Number 38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
37	45.54	ITEM NO. 37 Providing and laying Cast in situ/Ready Mix cement concrete in M-30 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing 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) omplete. (prior approval of superinteding Engineer will be necessary) SSR no. 26.19/185(RA)	18094	46	Rupees Eighteen Thousand NinetyFour Paise FourtySix Only	CMT	824021.71			Bd.F.11 Page One Number 304 and B.7, Page One Number 38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

38	395.28	ITEM NO 38 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	14552	81	Rupees Fourteen Thousand Five Hundred FiftyTwo Paise EightyOne Only	CMT	5752475.05			Bd.F.6 Page One Number 300 and B.7, Page One Number38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
39	555.90	ITEM NO 39 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	16300	1	Rupees Sixteen Thousand Three Hundred Paise One Only	CMT	9061225.25			Bd.F.8 Page One Number 302 and B.7, Page One Number38 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
40	248.00	ITEM NO 40 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	94188	15	Rupees NinetyFour Thousand One Hundred EightyEight Paise Fifteen Only	MT	23358661.20			Bd.F.17, Page One Number 306 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

41	0.50	ITEM NO 41 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	125431	95	Rupees One Lakh TwentyFive Thousand Four Hundred ThirtyOne Paise NinetyFive Only	MT	62715.98			Bd.C.8 Page One Number 278 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
42	1.50	ITEM NO 42 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 23.01/173	106936	2	Rupees One Lakh Six Thousand Nine Hundred ThirtySix Paise Twenty Only	MT	160404.30			Bd.C.2 Page One Number 275 Fabrication work shall include the making of special or customized steel structures, and all related works as per drawings and site requirements
43	10.00	ITEM NO.43 Providing and fixing double scaffolding system (cup lock type) on The exterior side of building/structure, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works. SSR 46.42/299	292	95	Rupees Two Hundred NinetyTwo Paise NinetyFive Only	SMT	2929.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work(For Double Height Area only)

44	115.14	ITEM NO 44 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.12/206	1375	49	Rupees One Thousand Three Hundred SeventyFive Paise FourtyNine Only	SMT	158373.92			Bd.J.2 Page One Number 355 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
45	120.60	ITEM NO 45 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with water proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with water proofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3 butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.13/207	1430	9	Rupees One Thousand Four Hundred Thirty Paise Nine Only	SMT	172468.85			Bd.J.2 Page One Number 355 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

46	53.38	ITEM NO 46 Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortar 1:3 on vergin concrete slab with waterproofing compound @ 1Kilogram/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1 Kilogram/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc. complete. SSR.31.26/ Pg 208	7930	5	Rupees Seven Thousand Nine Hundred Thirty Paise Fifty Only	CMT	423330.09			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
47	345.95	ITEM NO 47 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. SSR 31.04 / 205	1373	24	Rupees One Thousand Three Hundred SeventyThree Paise TwentyFour Only	SMT	475072.38			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

48	10.00	ITEM NO 48 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 sqm /kg with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete. SSR 31.09/206	645	75	Rupees Six Hundred FourtyFive Paise SeventyFive Only	SMT	6457.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
49	36.83	ITEM NO 49 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc. complete. SSR 31.01/205	453	6	Rupees Four Hundred FiftyThree Paise Sixty Only	SMT	16703.82			Bd.J.2 Page One Number 355 As per Instruction given by Executive Engineer/
50	2333.33	ITEM NO 50 Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete. SSR 32.26/210	59	85	Rupees FiftyNine Paise EightyFive Only	RMT	139650.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
51	129.63	ITEM NO 51 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	10027	16	Rupees Ten Thousand TwentySeven Paise Sixteen Only	CMT	1299836.79			Bd.G.5 Page One Number 315 As per Instruction given by Executive Engineer/ Site Engineer during
52	950.65	ITEM NO 52 Providing Autoclaved Aerated Concrete Block masonry of 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 I) - 1972) SSR 27.15	7707	0	Rupees Seven Thousand Seven Hundred Seven Only	CMT	7326694.89			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

53	1.73	ITEM NO 53 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in superstructure including striking joints, racking out joints watering and scaffolding etc. complete SSR 27.13/198	9094	76	Rupees Nine Thousand NinetyFour Paise SeventySix Only	CMT	15688.46			As per Instruction given by Executive Engineer/ Site Engineer during execution of work and BDG- 2 and 5
54	1.80	ITEM NO 54 Providing uncoursed rubble masonry of trap / granit / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc.complete. SSR 28.04/199	7855	27	Rupees Seven Thousand Eight Hundred FiftyFive Paise TwentySeven Only	CMT	14139.49			Bd.H.4 Page One Number 331 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
55	1.80	ITEM NO 55 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc.complete SSR 28.10/146	13754	93	Rupees Thirteen Thousand Seven Hundred FiftyFour Paise NinetyThree Only	CMT	24758.87			Bd.H.12 Page One Number 333 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
56	7914.42	ITEM NO 56 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	700	64	Rupees Seven Hundred Paise SixtyFour Only	SMT	5545159.72			Bd.L.7 Page One Number 369 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
57	7187.04	ITEM NO 57 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	305	4	Rupees Three Hundred Five Paise Fourty Only	SMT	2194920.64			Bd. L.2 Page One Number 368 As per Instruction given by Executive Engineer/ Site Engineer during

58	241.60	ITEM NO 58 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	151	2	Rupees One Hundred FiftyOne Paise Twenty Only	SMT	36529.92			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
59	4385.06	ITEM NO 59 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) 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	600	6	Rupees Six Hundred Paise Sixty Only	SMT	2633667.94			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
60	6252.56	ITEM NO 60 Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. SSR 35.21 / 225	37	8	Rupees ThirtySeven Paise Eighty Only	SMT	236346.82			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
61	1651.52	ITEM NO 61 Providing and applying pearl/ luster finish paint of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc. complete. SSR 35.23 / 225	226	8	Rupees Two Hundred TwentySix Paise Eighty Only	SMT	374564.38			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

62	3853.54	ITEM NO 62 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 hoursAfter applying acrylic wall putty with appropriate prpportion 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 role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.) SSR 36.21/229	288	75	Rupees Two Hundred EightyEight Paise SeventyFive Only	SMT	1112710.56			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
63	50.00	ITEM NO 63 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	659	4	Rupees Six Hundred FiftyNine Paise Fourty Only	SMT	32970.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work(Any approved Texture as per drawing)
64	10.00	ITRM NO.64 Labour charges for providing groove in external plaster having width and spaced as directed by engineer incharge etc. complete. SSR 32.22	51	45	Rupees FiftyOne Paise FourtyFive Only	RMT	514.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

65	6439.87	ITEM NO 65 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 Manufaturer 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	390	6	Rupees Three Hundred Ninety Paise Sixty Only	SMT	2515415.06			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
66	485.06	ITEM NO 66 Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 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, curing and clearing etc. complete. a) Flooring SSR 33.40 / 217	1253	84	Rupees One Thousand Two Hundred FiftyThree Paise EightyFour Only	SMT	608181.36			Bd.M. 12 Page One Number 385 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
67	1181.05	ITEM NO 67 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	4069	0	Rupees Four Thousand SixtyNine Only	SMT	4805700.59			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

68	196.84	ITEM NO 68 Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. 18mm thk. Jaisalmer Stone/ Yellow Marble MCGM R3-CS-FL-28-i	2893	0	Rupees Two Thousand Eight Hundred NinetyThree Only	SMT	569463.91			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
69	196.84	ITEM NO 69 Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 18 mm thk. White marble of superior quality and white cement float MCGM R3-CS-FL-01-e	2321	0	Rupees Two Thousand Three Hundred TwentyOne Only	SMT	456870.28			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
70	196.84	ITEM NO 70 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.06/213	1329	14	Rupees One Thousand Three Hundred TwentyNine Paise Fourteen Only	SMT	261630.58			Bd.M.3 Page One Number 380 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
71	196.84	ITEM NO 71 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. SSR 33.34/216	4244	99	Rupees Four Thousand Two Hundred FourtyFour Paise NinetyNine Only	SMT	835592.32			Bd.M. 3 B/Page One Number 380 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

72	934.47	ITEM NO 72 Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 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, curing and clearing etc. complete.b) Skirting SSR 33.41 / 217	1332	59	Rupees One Thousand Three Hundred ThirtyTwo Paise FiftyNine Only	SMT	1245270.71			Bd.M. 12 Page One Number 385 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
73	213.52	ITEM NO 73 Providing and laying vitrified matt fininsh tiles having size 590 mm to 605 mm x 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float, filling joints, curing and cleaning etc. complete.(Antiskid) SSR 33.42/217	1697	99	Rupees One Thousand Six Hundred NinetySeven Paise NinetyNine Only	SMT	362554.82			Bd.M.12 Page One Number 385 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
74	5.00	ITEM NO 74 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. SSR 33.67/220	1275	29	Rupees One Thousand Two Hundred SeventyFive Paise TwentyNine Only	SMT	6376.45			Bd. M-12 page One Number 385 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
75	5.00	ITEM NO 75 Providing and laying ceramic tiles having size 30cm.x60cm. confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33.27/ 215	1476	89	Rupees One Thousand Four Hundred SeventySix Paise EightyNine Only	SMT	7384.45			Bd.M.13 Page One Number 386. As per Instruction given by Executive Engineer/ Site Engineer during execution of work

76	369.09	ITEM NO 76 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. ~~SSR 33.35/216~~	4400	39	Rupees Four Thousand Four Hundred Paise ThirtyNine Only	SMT	1624129.60			Bd. M.22B/Page One Number 390 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
77	8.91	ITEM NO.77 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone partition with full moulding the edges etc. complete . Both side polish ~~SSR 33.36/216~~	4224	45	Rupees Four Thousand Two Hundred TwentyFour Paise FourtyFive Only	SMT	37639.85			Bd.M.35 B/Page One Number 393 As per Instruction given by Executive Engineer/ Site Engineer during
78	10.00	ITEM NO.78 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. Approved MR Spec. As directed by Engineer-In-Charge.	6645	0	Rupees Six Thousand Six Hundred FourtyFive Only	SMT	66450.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
79	4.11	ITEM NO 79 Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete ~~SSR 39.01 / 245~~	210052	5	Rupees Two Lakh Ten Thousand FiftyTwo Paise Fifty Only	CMT	862951.12			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

80	114.56	ITEM NO 80 Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish , scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary SSR 34.09/224	870	45	Rupees Eight Hundred Seventy Paise FourtyFive Only	SMT	99717.79			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
81	89.16	ITEM NO 81 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	3232	95	Rupees Three Thousand Two Hundred ThirtyTwo Paise NinetyFive Only	SMT	288249.82			BD-T-34 Page One Number 499 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
82	4.32	ITEM NO 82 Providing and fixing solid core flush door shutter in double 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 39.95/263	3973	2	Rupees Three Thousand Nine Hundred SeventyThree Paise Twenty Only	SMT	17164.22			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
83	85.97	ITEM NO.83 Providing & fixing in position 35 mm thick 1st quality water proof Single Leaf Flush Door for w.c. with 1.5mm thick laminate on both sides with 12x35mm lipping patti on all edges. Rate is inclusive of s.s.fixtures & fittings, such as handles on both sides, tower bolts, locking arrangement,, door stopper of make (ozone,Hettich,Hafle) 450 x 150mm aluminum ventilation grill powder coated, as per architect's detailed drg.and design complete.Size of door 950mm x 2.35mm.D6,D10,D11 MCGM R3-CS-WW-32	10847	0	Rupees Ten Thousand Eight Hundred FourtySeven Only	SMT	932559.98			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

84	5.04	ITEM NO 84 Providing and fixing ISI marked double swing flush door shutters conforming to IS :2202 (Part I) 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 51.64/369	13125	0	Rupees Thirteen Thousand One Hundred TwentyFive Only	SMT	66150.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
85	3.60	ITEM NO 85 P/F TW frame fully glazed door with shutters with full swing (180degrees) fixed with double spring hinge with fixed glazed portions on top and side of the openable portion. MCGM R3-CS-WW-29	4958	0	Rupees Four Thousand Nine Hundred FiftyEight Only	SMT	17848.80			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
86	9.00	ITEM NO.86 Providing and Fixing Fully Glazed double shutter automatic Door Opening having following features Slim line modern Design Australian Made Designed for new standards Compact modular motor DesignHigh security electric locking No exposed wiring Energy Efficient Electronics Lock 600 VA UPS MCGM R3-CS-WW-28	22412	0	Rupees TwentyTwo Thousand Four Hundred Twelve Only	SMT	201708.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
87	8.00	ITEM NO 87 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 Incharge. Approved MR	400	0	Rupees Four Hundred Only	NOS	3200.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

88	44.00	ITEM NO 88 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	7425	0	Rupees Seven Thousand Four Hundred TwentyFive Only	NOS	326700.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
89		ITEM NO.89 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 Superitending Engineer.								
	48.60	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.	1647	45	Rupees One Thousand Six Hundred FourtySeven Paise FourtyFive Only	RMT	80066.07			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

90	22.68	ITEM NO. 90 b)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 sealing in the grooves in the shutter on all edges except bottom, without any external lipping.	9464	7	Rupees Nine Thousand Four Hundred SixtyFour Paise Seventy Only	SMT	214659.40			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
91	0.90	ITEM NO.91 c) Vision Panel: 1 HR rated E Class clear high stress fire rated glass is pre fabricated strategically inside theshutter 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	35148	75	Rupees ThirtyFive Thousand One Hundred FourtyEight Paise SeventyFive Only	SMT	31633.88			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

92		ITEM NO 92 Providing of 2 Hour Rated Acoustic Fire Door to effectively control noise in conference rooms, broadcasting studios, theatres and music practice rooms. duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 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 accoustic fire doors are tested with NCBN technology ("Non Combustible by Nature") duly tested for sound insulation as per ISO 10140-2 / ASTM E 90 for sound transmission loss evaluation of 42db in reverberation chamber at ARAI. Pg 400			0					
	6.60	a)Door Frame: Providing & Fixing Frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified 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 70 mm spray quoted with 2 coats of Intumescent paint of minimum 200 micron, with 1 row of Brush- Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed in the groove of the Frame for fire and smoke sealing, etc. complete as per direction of Engineer in Charge SSR 51.172/400	2032	8	Rupees Two Thousand ThirtyTwo Paise Eighty Only	RMT	13416.48			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

93	4.32	ITEM NO. 93 b)Shutter: Supplying & Fixing of 75mm thick asbestos free, fire, heat and smoke resistant composite Acoustic Door Shutter complying with with fire performance - FD 120 as per IS:3614 (part - II) comprising of 2x12mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in vaccum pressure impregnation vessels under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141) internal timber (Malaysian Hard Wood, densified to 810 Kilogram/cum) frame work of 100x36 mm with 36mm thick infill of ceramic fiber (density 128 Kilogram/cum), vermaculite mix faced with 6mm Fire retardant High Density fibre ply, internally lipped with hardwood beading and pasted in Hydraulic Press under 25 MPa, spray quoted with 2 coats of in tumescent paint of minimum 300 micron, and with single row of Brush- Type intumescent strip of size 10mmx4mm affixed on periphery for fire and smoke sealing in the slit on all edges of shutter except bottom and placement of 3 mm thick rubber membrane, at the inside face, sandwiched between calcium silicate board & high density fire retardant ply, without any external lipping with triple rebatting in shutters, etc complete. Providing of Fire Barrier Systems to prevent the spread of fire and smoke within roof and ceiling voids. SSR 51.173/400	16142	7	Rupees Sixteen Thousand One Hundred FortyTwo Paise Seventy Only	SMT	69736.46			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
94	2.10	ITEM NO 94 Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. SSR 39.59/258	3669	75	Rupees Three Thousand Six Hundred SixtyNine Paise SeventyFive Only	SMT	7706.48			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

95	0.00	ITEM NO 95 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear) SSR 39.25 / 249	5573	4	Rupees Five Thousand Five Hundred SeventyThree Paise Fourty Only	SMT	0.00			BD-T-55 PageOne Number 510 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
96	393.28	ITEM NO 96 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	4623	29	Rupees Four Thousand Six Hundred TwentyThree Paise TwentyNine Only	SMT	1818233.62			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

97	355.32	ITEM NO 97 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 o.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	5777	1	Rupees Five Thousand Seven Hundred SeventySeven Paise Ten Only	SMT	2052719.17			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
98	29.52	ITEM NO 98 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 While arriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered. SSR 39.55/257	6596	1	Rupees Six Thousand Five Hundred NinetySix Paise Ten Only	SMT	194716.87			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
99	0.72	ITEM NO 99 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	6001	8	Rupees Six Thousand One Paise Eighty Only	SMT	4321.30			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

100	21.60	ITEM NO 100 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete. SSR 39.68 / 259	3640	35	Rupees Three Thousand Six Hundred Fourty Paise ThirtyFive Only	SMT	78631.56			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
101		ITEM NO.101 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.			0					

		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								
	4.00	Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	11019	75	Rupees Eleven Thousand Nineteen Paise SeventyFive Only	SMT	44079.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	4.80	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.	10060	5	Rupees Ten Thousand Sixty Paise Five Only	SMT	48288.24			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	1.20	Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm	8759	1	Rupees Eight Thousand Seven Hundred FiftyNine Paise Ten Only	SMT	10510.92			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
102		ITEM NO.102 Providing and fixing of factory made uPVC Louver window (White Colour) comprising of uPVC multi-chambered with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with 1.5 mm thick G. I. Section. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below:								As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		S.No. Name of the test Test Method Specifie 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								
		All corners of frame shall be fusion welded. Both vertical sides of the frame, adjustable louver mechanism having one lever or fixed louver bracket shall be fitted with the of 4 mm Frosted Annealed glass. Window will 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								
	1.35	a.Louver Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm. SSR 54.11/519	9693	6	Rupees Nine Thousand Six Hundred NinetyThree Paise Sixty Only	SMT	13086.36			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
103		ITEM NO.103 Providing and fixing of factory made uPVC Sliding window & door (White Colour) complete, comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash 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:								As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		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								As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		All corners of frame and sash will be fusion welded. After placing 5 mm Float Annealed glass in the sash, uPVC glazing bead, interlock, EPDM / TPE gasket, brush shall be provided including touch lock and rollers & proper drainage system shall be provided. Window / Door will 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 54.08 / 516			0		0.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	3.00	2 Track 2 / 4 Sash (Big Series) window frame of size 67 x 54 mm & Sash of size 64 x 47 mm	7686	0	Rupees Seven Thousand Six Hundred EightySix Only	SMT	23058.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	3.00	3 Track 3 / 6 Sash (Big Series) window frame of size 122 x 54 mm & Sash of size 64 x 47 mm	8952	3	Rupees Eight Thousand Nine Hundred FiftyTwo Paise Thirty Only	SMT	26856.9			

104	309.708	ITEM NO 104 Supply and installation of cubicles of width and depth as perAthena 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 affixed 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 6063 T5-50 micron epoxy powder coated for surface protection, Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section,Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated.etc complete. SSR 51.162/395	11755	8	Rupees Eleven Thousand Seven Hundred FiftyFive Paise Eighty Only	SMT	3640865.306			As per Instruction given by Executive Engineer/ Site Engineer during execution of work Inclusive of any Pattern and colour on external laminate
105	5.00	ITEM NO 105 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	2201	85	Rupees Two Thousand Two Hundred One Paise EightyFive Only	SMT	11009.25			Bd.U.1 Page One Number 537 As per Instruction given by Executive Engineer/ Site Engineer during
106	5.00	ITEM NO.106 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	4560	0	Rupees Four Thousand Five Hundred Sixty Only	SMT	22800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

107	5.00	ITEM NO.107 Aluminium Fins:- Providing and Fixing Horizontal fins with 100 mm x 40 mmx 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	4900	0	Rupees Four Thousand Nine Hundred Only	SMT	24500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
108	11.50	ITEM NO.108 ACP Cladding: - Providing,applying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwiched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre) SSR 51.100/378	4063	5	Rupees Four Thousand SixtyThree Paise Fifty Only	SMT	46730.25			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
109	728.36	ITEM NO.109 Providing and laying in position terracotta jali of 80 mm thick Providing and laying in position terracotta jali(Decorative) of 80 mm thick decorative type as per specification provided by the engineer in charge and drawings including fixtures and fabrications etc complete Approved MR	3080	0	Rupees Three Thousand Eighty Only	SMT	2243351.88			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

110	384.00	ITEM NO. 110 Structural Glazing : - Providing & fixing of fabrication and installation of Structural Glazing system in the form of fixed panels, using designed aluminium extruded sections mullions and transoms with cover system section complete having anodize /Powder coating of approved colour and shade and make and fixed on the brick masonry/RCC/structural frames through adequately designed brackets glass shall be fixed to frame with structural silicone sealant/backer rod and weather silicone sealant non streaking /non staining of Dow corning/GE or approved equivalent to make structural glazing air and water tight as per standards. with EPDM gaskets in each section with Saint Gobain make 6 mm reflective toughened glass having SHGC of 0.2 - 0.3, UValue of 3 - 4 W/ sq.mK VLT of 20-40% fixed with glazed panel of Sash frame with T Patti toggle, colour of glass as approval by architect, all aluminium sections joints with aluminium clit angles of 16 gauge, Galvanized M.S. Brackets for frame fixing and all other necessary Hardware fittings Complete as per Drawing and Green Specification. Approved MR	12200	0	Rupees Twelve Thousand Two Hundred Only	SMT	4684800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work As per green building norms
111	15.00	ITEM NO.111 Openable in Glazing:- Providing and Fixing Openable Panel in above itemwith additional 4 Bar Hinges, Handle cum Locking arrangements, With additional aluminium anodized frame for Opneable, and flashing for water dripping. (Including fitting to operate from ground floor). As per specification provided by engineer incharge Approved MR	2650	0	Rupees Two Thousand Six Hundred Fifty Only	NOS	39750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

112	10.00	ITEM NO.112 Dry wall cladding with clay tile; Designing, supplying and fixing of Clay tile of Wienerberger (Red Series or Grey Series) or Equivalent with suitable size and thickness not less than 20 mm as per manufacturer with approved colour and pattern with composition of finest powdered clay and colour mixtures. The clay tile shall be fixed on the suitable framing system by using continuous aluminium profiled section as per manufacturer with suitable size and spacing to withstand the structural design criteria specified in the technical specification by using necessary HDG brackets, SS316 grade anchor bolts etc as per manufacturer specification. Cladding joints should be with open groove system. with prior approval of concerned Superintending Engineer. SSR 50.25/335	11119	5	Rupees Eleven Thousand One Hundred Nineteen Paise Fifty Only	SMT	111195			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
113	5.00	ITEM NO.113 Casting & fixing Decorative Precast Circular Column,Rectangle Band,Cornice,Window Decorative Sill,Elevational Element Having Precast Shell of thickness 60mm-80mm , M25 concrete with approved chemical to have crack free member,including reinforcement ,Scaffolding,lifting ,transportation complete Specification provided by the engineer in charge Approved MR	6100	0	Rupees Six Thousand One Hundred Only	SMT	30500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
114	5.00	ITEM NO.114 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	913	5	Rupees Nine Hundred Thirteen Paise Fifty Only	SMT	4567.5			Bd.R.5, Page One Number 453 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
115	287.28	ITEM NO 115 Providing and fixing 40mm diameter and 1.5 mm thick Stainless steel hand railing in S.S.304 Grade including fabricating ,fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete SSR 40.06/264	1281	0	Rupees One Thousand Two Hundred EightyOne Only	RMT	368005.68			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

116	10.00	ITEM NO 116 Providing and fixing 900mm high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick at top,40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating ,fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete	4939	2	Rupees Four Thousand Nine Hundred ThirtyNine Paise Twenty Only	RMT	49392			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
117	153.90	ITEM NO 117 Providing and Fixing mat finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing,fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior approval of sample and brand by Ex.Engineer is necessary before use) SS4 40.08 /265	3722	25	Rupees Three Thousand Seven Hundred TwentyTwo Paise TwentyFive Only	RMT	572854.275			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
118	750.79	ITEM NO. 118 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 concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside 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 38.51/243	1857	45	Rupees One Thousand Eight Hundred FiftySeven Paise FourtyFive Only	SMT	1394551.171			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

119	563.09	ITEM NO.119 Providing and fixing Modular false ceiling of 600 x 600 mm center to center and 13 mm thick square mineral fiber board to be fixed on frame work of alluminium sections for suspended false ceiling consisting of alluminium T 2"x1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m at 60 cms center center and fixed with ½" x ½" (15 x 15 mm) flanges weighing 0.19 Kilogram/m suspended on 6 mm dia mild steel rod weighing 0.22 Kilogram/m, fixed on wall and beams including rounding of the edges with alluminium T of 2" x 1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m etc. (all alluminium sections shall be anodized) including all labour, material, lifts etc. complete. SSR 38.52/243	2696	4	Rupees Two Thousand Six Hundred NinetySix Paise Fourty Only	SMT	1518318.572			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
120	375.39	ITEM NO.120 Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles of size 15mm 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 (BS 476 pt - 6 & 7) in module size of 600 x 600 x 15mm , suitable for Green Building application, with Recycled content of 66% GW and 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 Sections 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 38.47/242	3022	95	Rupees Three Thousand TwentyTwo Paise NinetyFive Only	SMT	1134797.292			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
121	10.00	ITEM NO. 121 Providing and fixing Designer Fabric ceiling with finish with strings Complete as per Drawings and Spec. As directed by Engineer-In-Charge. Approved MR	15400	0	Rupees Fifteen Thousand Four Hundred Only	SMT	154000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

122	9.71	ITEM NO. 122 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	15650	0	Rupees Fifteen Thousand Six Hundred Fifty Only	SMT	152035.055			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
123	2.00	ITEM NO 123 Providing and fixing Aluminium open cell(150mmx150mm) 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 STEel big Clip,panel Coupler,GS wall angle. complete as per specification and drawing provided by the Engineer Incharge Approved MR	2850	0	Rupees Two Thousand Eight Hundred Fifty Only	SMT	5700			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
124	30.00	ITEM NO 124 Providing and fixing Internal signage ss brush finish 2 mm thick . Spec. As directed by Engineer-In-Charge. Approved MR	2400	0	Rupees Two Thousand Four Hundred Only	NOS	72000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
125	40.00	ITEM NO.125 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	2950	0	Rupees Two Thousand Nine Hundred Fifty Only	NOS.	118000			Each English alphabet, numeral, and each Marathi akshar (character) shall be counted as one single letter. As per Instruction given by Executive

126	10.00	ITEM NO.126 Providing and Fixing laser cut 3-4 mm Acrylic letters of height upto 24 inches with, with all other necessary Hardware for fittings and Labour all Inclusive.including profile LED back lighting .complete Approved MR	2850	0	Rupees Two Thousand Eight Hundred Fifty Only	LETTERS	28500			Each English alphabet, numeral, and each Marathi akshar (character) shall be counted as one single letter. As per Instruction
127	2.00	ITEM NO.127 Providing and fixing MBMC Logo on entrance gate Approved MR	28000	0	Rupees TwentyEight Thousand Only	NOS.	56000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
128	8.00	ITEM NO 128 C.I.Man hole cover 100 kg. SSR 51/532	8121	75	Rupees Eight Thousand One Hundred TwentyOne Paise SeventyFive Only	NOS.	64974			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
129	5.00	ITEM NO 129 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight C. I. cover of 75 kg with lid and frame fixed in cement concrete. SSR 42.10/274	16489	94	Rupees Sixteen Thousand Four Hundred EightyNine Paise NinetyFour Only	NOS.	82449.7			Bd.V.43, Page One Number 574 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
130	734.38	ITEM NO.130 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	1850	0	Rupees One Thousand Eight Hundred Fifty Only	SMT	1358603			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

131	10.00	ITEM NO.131 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.	1873	29	Rupees One Thousand Eight Hundred SeventyThree Paise TwentyNine Only	SMT	18732.9			Approved shape stamp concrete as per drawing As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		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 superinteding Engineer will be necessary) SSR 54.01 / 513								0

132	10.00	ITEM NO.132 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	3547	0	Rupees Three Thousand Five Hundred FourtySeven Only	SMT	35470			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
133	10.00	ITEM NO.133 GRASS JOINT PAVING: Providing and laying machine cut machine polished kota stone flooring for Grass joint paving, 25mm to 30mm thick required width in plain pattern on bed of 1:6 C. M. including cement float, curing, polishing and cleaning including removing unwanted stuff as directed. Excavation for Planting of Lawn Digging of Soft surface up to 30 Cm. as per drawing and specification provided by Engineer In-charge. Approved MR	1596	0	Rupees One Thousand Five Hundred NinetySix Only	SMT	15960			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
134	60.00	ITEM NO. 134 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	2765	0	Rupees Two Thousand Seven Hundred SixtyFive Only	RMT	165900			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
135	27.96	ITEM NO.135 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per Square Metre area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.complete. SSR 6.12A/48	699	3	Rupees Six Hundred NinetyNine Paise Thirty Only	SMT	19552.428			MORTH 803.4 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

136	130.00	ITEM NO.136 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 In-charge. Using Concrete Batching and Mixing Plant SSR 7.05/69	2368	1	Rupees Two Thousand Three Hundred SixtyEight Paise One Only	RMT	307841.3			MORTH 408 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
137	21.60	ITEM NO.137 Providing and fixing mild steel grill gate as per the detailed drawing including hinges, locking arrangements and painting in three coats of oil paint of approved colour and shade etc. complete.(weight 18 Kilogram. to 20 Kilogram. Per Sq.m.) Spec.One Number: As directed by Engineer-in-charge SSR 23.09/ 174	2205	0	Rupees Two Thousand Two Hundred Five Only	SMT	47628			Spec. One Number As directed byEngineer in Charge.
138	4795.00	ITEM NO.138 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	242	0	Rupees Two Hundred FourtyTwo Only	KG	1160390			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
139	10.00	ITEM NO.139 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. SSR 46.39/298	2665	95	Rupees Two Thousand Six Hundred SixtyFive Paise NinetyFive Only	RMT	26659.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

140	81.45	ITEM NO 140 Providing and installing Nylon net for protection from Birds entry in Entrance Lobby. MCGM R3-CS-RM-133	224	0	Rupees Two Hundred TwentyFour Only	SMT	18244.8			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
141	2.00	ITEM NO. 141 Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia Horizontal support 18mm Dia. intermediate support with M.S. cap- (type-I) logo panel etc. including cutting welding, riveting, oil painting with navy blue colour or any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed.(Design details vide Drg.No.4F-A1.1, 4FA1.2, A1.3 in the catalogue of street Furniture (Vol.I) published by B.M.C.) MCGM R3-RT-16-28	19076	0	Rupees Nineteen Thousand SeventySix Only	NOS	38152			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
142	2.00	ITEM NO.142 Square tree guard : Providing, fabrication and fixing M.S. Square tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap-(type-I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed. (Design details vide Drg.No.4F-C1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer. MCGM R3-RT-16-30	19323	0	Rupees Nineteen Thousand Three Hundred TwentyThree Only	NOS	38646			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

143	1	ITEM NO.143 Providing and fixing thematic murals created in mix media in different shape and size as per required artwork made out of 8mm, 12mm and 19mm thick marine plywood and BTC wood and fibre coating in imported silicon rubber painted MCGM CE4-09-002- FA141C	366121	0	Rupees Three Lakh SixtySix Thousand One Hundred TwentyOne Only	NOS	366121			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
144	30	ITEM NO.144 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	126	0	Rupees One Hundred TwentySix Only	SQ.FT	3780			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
145	1.00	ITEM NO.145 P/F MURAL MADE IN FIBRE RAINFORCED PLASTIC AS PER GIVEN ART WORK OF REQUIRED SIZES MCGM CE4-07-076-FF-47A	10940	0	Rupees Ten Thousand Nine Hundred Fourty Only	SMT	10940			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
146	1.00	ITEM NO.146 MURAL IN PAINT (3D) MCGM CE5-10-024- FAIR1	8016	0	Rupees Eight Thousand Sixteen Only	SMT	8016			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		LANDSCAPE								
147	10.00	ITEM NO.147 Providing on site well established (free from weeds /disease etc.) ready to fix lawn turf in slabs/ rolls of required variety as directed Specification (Mexican or Korian Grass Turf , Selection No.1 American blue grass, / Barmuda etc ready to fix lawn turf in Slabs/ Rolls of required variety as directed Rates Including breakage,& Transportation Damage losses.) Garden DSR Pg no 14 S.no 47	225	75	Rupees Two Hundred TwentyFive Paise SeventyFive Only	SMT	2257.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

148	131.88	ITEM NO. 148 Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms. PARK AND GARDEN DSR page no.11 Sr. no 3	75	285	Rupees SeventyFive Paise TwentyNine Only	SMT	9928.5858			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
149	98.91	ITEM NO 149 GARDEN SOIL:- Supplying on site garden soil well sieved 80 % to pass through I.S. 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 Transporting, loading -unloading etc (.Lead charges per 70 km. considered Excluding royalty.) GARDEN DSR 22-23 Page 8 sr.no.1	1575	0	Rupees One Thousand Five Hundred SeventyFive Only	CMT	155783.25			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
150	39.56	ITEM NO.150 FARM YARD MANURE: - Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box. (Farma) Item includes Transporting, loading -unloading etc (.Lead charges per 50 km. considered.) GARDEN DSR 22-23 Page 8 sr.no.2	1627	5	Rupees One Thousand Six Hundred TwentySeven Paise Fifty Only	CMT	64390.41			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)								
151	40.00	ITEM NO.151 Plant should be well Developed, Healthy conition, Plant should be Pest and disese Free. Croton Petra Pot Size 8" Height Of Plant 30 cm to 45 cm Park and Garden DSR pg no 34 Sr .no 10 (b).3	215	25	Rupees Two Hundred Fifteen Paise TwentyFive Only	NOS	8610			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

152	4.00	ITEM NO.152 Palms Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged. Areca Palm Size 18" x 18" Height Of Plant 7 to 8 ft Park and Garden DSR pg no 35 Sr .no.11(d) 1	1312	5	Rupees One Thousand Three Hundred Twelve Paise Fifty Only	NOS	5250			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
153	50.00	ITEM NO.153 Flowering Shrubs Specification:- Well Developed ,Fresh, Healthy half in bloom, free from pest and diseases. Aboli/Crossandra Bag Size 6" Pots Height Of Plant 15 cm to 30 cm Park and Garden DSR pg no 15 Sr .no 1(a) 01	73	5	Rupees SeventyThree Paise Fifty Only	NOS	3675			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
154	12.00	ITEM NO. 154 Supplying on site well decomposed Farmyard Manure (i. e. 1-part FYM) for excavation area of depth of 20 cms (consolidated thickness). Quantity of FYM 0.054cum x 1550/cum = 83.70/- Park and Garden DSR pg no 13 dr .no 38B	87	885	Rupees EightySeven Paise EightyNine Only	SMT	1054.62			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
155	10.00	ITEM NO. 155 Foliage Trees Minimum Girth 8 to 10 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves ,clear trunk, well Developed Canopy,Healthy conditionFree from pest and diseases,well seteled in appropriate size of Plybag,uniform in size and root system are undamaged. KaduNeem Bag Size18" x 18" Height Of Plant 8 ft to 10 ft Park and Garden DSR pg no 26 Sr .no.6 (c). 7	504	0	Rupees Five Hundred Four Only	NOS	5040			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
156	5.00	ITEM NO. 156 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	2343	0	Rupees Two Thousand Three Hundred FourtyThree Only	NOS	11715			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
157	5.00	ITEM No.157 Plant Protection measures for tree having girth between 2'to 5' MCGM R3-GW-8-22	289	0	Rupees Two Hundred EightyNine Only	NOS	1445			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		CREEPERS								
158	40.00	ITEM NO.158 Quisqualis 24indica 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-205	17	0	Rupees Seventeen Only	NOS	680			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
159	150.00	ITEM NO. 159 Bougainvillea purviana Thimma 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-20	35	0	Rupees ThirtyFive Only	NOS	5250			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

160	20.00	ITEM NO.160 Codiaeum variegatum Hybrid croton 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-37	46	0	Rupees FourtySix Only	NOS	920			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
161	10.00	ITRM NO. 161 Samanea saman Rain tree 4' to 5 ' height excluding pollybag MCGM R3-GW-5-295	81	0	Rupees EightyOne Only	NOS	810			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

162	20.00	ITEM NO. 162 Roheo discolor Rhoeo Nana 4" to 6" height excluding pollybag MCGM R3-GW-5-145	12	0	Rupees Twelve Only	NOS	240			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
163	20.00	ITEM NO. 163 Roheo discolor Rhoeo Tall 4" to 6" height excluding pollybag MCGM R3-GW-5-146	23	0	Rupees TwentyThree Only	NOS	460			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

164	5.00	ITEM NO.164 Delonix regia Gulmohar 4' to 5 ' height excluding pollybag MCGM R3-GW-5-261	81	0	Rupees EightyOne Only	NOS	405			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
165	15.00	ITEM NO.165 Verbena 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-158	17	0	Rupees Seventeen Only	NOS	255			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

166	15.00	ITEM NO.166 Chlorophytum laxum Dwarf Chlorophytum 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-40	23	0	Rupees TwentyThree Only	NOS	345			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
167	20.00	ITEM NO.167 Chlorophytum comosum Spider Plant 6 “ to 9 “ height excluding pollybag MCGM R3-GW-5-39	23	0	Rupees TwentyThree Only	NOS	460			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

168	5.00	ITEM NO.168 Mangifera indica Mango 4' to 5 ' height excluding pollybag MCGM R3-GW-5-284	144	0	Rupees One Hundred FourtyFour Only	NOS	720			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
169	15.00	ITEM NO.169 Plumeria acutifolia 4 ' Ft. height excluding pollybag MCGM R3-GW-5-201	403	0	Rupees Four Hundred Three Only	NOS	6045			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work

170	20.00	ITEM NO.170 Good quality, durable, well finished on edge with good strength. 36" x 18" x 18" Garden DSR Page No. 9	840	0	Rupees Eight Hundred Fourty Only	NOS	16800			Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable) As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SANITARY FIXTURES								
171	40.00	Providing and fixing European type wall-hung white water closet of approved make with push valve concealed type with cover plate 32mm size of approved make including soil pipe,vent pipe up to outside face of wall ,100mm dia. G.I. plug bend inlet pipe all fittings, cuttingand making good walls, floors etc. complete. SSR 42.86	15777	3	Rupees Fifteen Thousand Seven Hundred SeventySeven Paise Thirty Only	Nos.	631092			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
172	16.00	Providing and fixing Orissa type white glazed earthenware water closet pan of size 260mm x440mm x580mm with approved make Slim wall hung cistern with installation including or P trap with cast iron soil and vent pipe up to outside face of the wall 1:2:4 brickbat lime concrete bedding without flushing tank and its accessories etc.complete. SSR 48.42	3525	9	Rupees Three Thousand Five Hundred TwentyFive Paise Ninety Only	Nos.	56414.4			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

173	60.00	Providing and fixing Oval Type Under Counter Wash Hand Basin of 420 x 590 x 195mm size with pillar cock, C.P.Angular stop cock, long thread of approved make continental including SS bottle trap of necessary pipe connection up to the outside face of the wall, having Telephonic Black / Colour Granite of 180 mm thick fixed on Black Kadappa Framework, etc. Complete as directed by Engineer in charge. SSR 48.35	20883	45	Rupees Twenty Thousand Eight Hundred EightyThree Paise FourtyFive Only	Nos.	1253007			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
174	16.00	Providing and fixing C.P. Two way BIB cock jaquar continental including necessary sockets/union nut etc. complete. SSR 42.80	1531	95	Rupees One Thousand Five Hundred ThirtyOne Paise NinetyFive Only	Nos.	24511.2			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
175	40.00	Providing and fixing 15 mm diameter PVC Aqua kraft type super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete SSR 43.39	808	5	Rupees Eight Hundred Eight Paise Fifty Only	Nos.	32340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
176	60.00	Providing and fixing C.P. pillar cock long neck with aerator of approved make including necessary sockets/union nut etc. complete. SSR 42.82	1706	25	Rupees One Thousand Seven Hundred Six Paise TwentyFive Only	Nos.	102375			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
177	130.00	Providing and fixing C.P. Angular stop cock with wall flange approved make or equivalent including necessary sockets/union nut etc. complete. SSR 42.79	2821	35	Rupees Two Thousand Eight Hundred TwentyOne Paise ThirtyFive Only	Nos.	366775.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
178	70.00	Providing and fixing 10 cm PVC nahani trap with grating etc.complete. SSR 42.67	565	95	Rupees Five Hundred SixtyFive Paise NinetyFive Only	Nos.	39616.5			BD.V 32 A page 551 As per Instruction given by Executive Engineer/ Site Engineer during

179	8.00	Supplying and erecting ultra violet storage type water purifier (RO+UV+UF) with softener for safe drinking water consisting of UV germicidal tube of 8W capacity choke made of copper wire and two indicator lamps with output of purified water minimum 0.33 litre/min with activated carbon filter and softener operating on 230 V single phase A.C. supply with UV fail & filter change indication system .(for TDS more than 200) CSR-3-5-1	15761	0	Rupees Fifteen Thousand Seven Hundred SixtyOne Only	Nos.	126088			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
180	22.00	Providing and fixing coloured glazed earthenware lipped flat back /corner type urinal with PVC 5liter flushing cistern with fittings, capacity with fittings, inlet pipe and stop tap, brackets for fixing thecistern, P.V.C .flush pipe with fittings including lead soil pipe,lead trap and soil pipe connection upto the outside face of the wall. SSR 41.61	5027	4	Rupees Five Thousand TwentySeven Paise Fourty Only	Nos.	110602.8			Bd.V.27 Page One Number 564 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
181	2.00	Providing and making ISI Mark ferrule connection of 32 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. SSR 42.75	4152	75	Rupees Four Thousand One Hundred FiftyTwo Paise SeventyFive Only	Nos.	8305.5			Bd.V. 4 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		INTENAL WATER SUPPLY SYSTEM								
182		Providing and fixing on walls/ ceiling/ floor 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.								
	635.00	15mm dia. SSR-42.55	279	3	Rupees Two Hundred SeventyNine Paise Thirty Only	Rmt.	177355.5			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

	540.00	20mm dia. SSR-42.56	325	5	Rupees Three Hundred TwentyFive Paise Fifty Only	Rmt.	175770			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	275.00	25mm dia. SSR-42.57	393	75	Rupees Three Hundred NinetyThree Paise SeventyFive Only	Rmt.	108281.25			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	355.00	32mm dia SSR-42.58	452	55	Rupees Four Hundred FiftyTwo Paise FiftyFive Only	Rmt.	160655.25			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	175.00	40mm dia. SSR-42.59	565	95	Rupees Five Hundred SixtyFive Paise NinetyFive Only	Rmt.	99041.25			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work

	90.00	50mm dia. SSR-42.60	778	5	Rupees Seven Hundred SeventyEight Paise Five Only	Rmt.	70024.5			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
183	120.00	Supplying and erecting GI pipe 32 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-10	405	0	Rupees Four Hundred Five Only	Rmt.	48600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
184	150.00	Supplying and erecting GI pipe 40 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-11	461	0	Rupees Four Hundred SixtyOne Only	Rmt.	69150			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
185	620.00	Supplying and erecting GI pipe 50 mm dia 'C' class position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-12	680	0	Rupees Six Hundred Eighty Only	Rmt.	421600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
186	10.00	Supplying and erecting GI pipe 75/80 mm dia 'C' class position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-14	1073	0	Rupees One Thousand SeventyThree Only	Rmt.	10730			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
187	120.00	Supplying and erecting GI pipe 100mm dia 'C' class position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-15	1466	0	Rupees One Thousand Four Hundred SixtySix Only	Rmt.	175920			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

188	16.00	Supplying and erecting 20 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-31	956	0	Rupees Nine Hundred FiftySix Only	Nos.	15296			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
189	10.00	Supplying and erecting 25 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-32	1260	0	Rupees One Thousand Two Hundred Sixty Only	Nos.	12600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
190	35.00	Supplying and erecting 32/40 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-33	1476	0	Rupees One Thousand Four Hundred SeventySix Only	Nos.	51660			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
191	25.00	Supplying and erecting 50 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-34	1524	0	Rupees One Thousand Five Hundred TwentyFour Only	Nos.	38100			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
192	8.00	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	884	0	Rupees Eight Hundred EightyFour Only	Nos.	7072			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
193	4.00	Providing and fixing 50 mm dia meter water meter with non-return valve including strainer, sockets/union nut, including water meter box making locking arrangement and lock. (without chamber). SSR-41.30	16328	55	Rupees Sixteen Thousand Three Hundred TwentyEight Paise FiftyFive Only	Nos.	65314.2			Bd.V.7 Page One Number 554 As per Instruction given
194	4.00	Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90 cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes ,BrickMasonry, plastering from inside and C.I. lid cover of 75 Kilogram with lid and frame fixed in cement concrete. SSR-42.11	15298	5	Rupees Fifteen Thousand Two Hundred NinetyEight Paise Fifty Only	Nos.	61194			Bd.V.43 Page One Number 574 As per Instruction given by Executive Engineer/ Site Engineer during

195	3.00	Providing and fixing 40mm. Dia Ball cock medium type with PVC float including sockets and necessary fittings and tested as per municipal requirements etc. complete. SSR-42.36	1270	5	Rupees One Thousand Two Hundred Seventy Paise Fifty Only	Nos.	3811.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SOIL, WASTE, VENT & RAIN WATER PIPES								
196	200.00	Providing, laying and fixing P.V.C. pipe of 40 mm dia. with fittings such as bends, tees, reducers, clamps,etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.25	316	5	Rupees Three Hundred Sixteen Paise Five Only	Rmt.	63210			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
197	160.00	Providing, laying and fixing P.V.C. pipe of 50 mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.26	443	1	Rupees Four Hundred FourtyThree Paise Ten Only	Rmt.	70896			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
198	300.00	Providing, laying and fixing P.V.C. pipe of 75mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.27	452	55	Rupees Four Hundred FiftyTwo Paise FiftyFive Only	Rmt.	135765			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
199	1150.00	Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.28	623	7	Rupees Six Hundred TwentyThree Paise Seventy Only	Rmt.	717255			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
200	220.00	P.V.C. pipe 160mm dia.Soil Pipe SSR PAGE NO.535 SR.NO.193	808	5	Rupees Eight Hundred Eight Paise Fifty Only	Rmt.	177870			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

201	4.00	Providing and fixing 30cm x 30cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap. SSR 42.02	1680	0	Rupees One Thousand Six Hundred Eighty Only	NOS.	6720			Bd.V.38, Page One Number 572 As per Instruction given by Executive Engineer/ Site Engineer during
202	4.00	Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover of 75 Kilogram with lid and frame fixed in cement concrete. SSR 42.11	15298	5	Rupees Fifteen Thousand Two Hundred NinetyEight Paise Fifty Only	NOS.	61194			Bd.V.43 Page One Number 574 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
203	2.00	Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and air-tight 75 mm thick R.C.C. cover medium duty 100 Kilogram etc. complete. SSR 42.16	10450	65	Rupees Ten Thousand Four Hundred Fifty Paise SixtyFive Only	NOS.	20901.3			Bd.V.43 Page One Number 574 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
204	1350.00	Providing and fixing Ductile iron Man Hole Covers/ Strom Water Grating and Grating with frame of Various sizes, weight and types and load bearing capacity as per EN-124, equivalent NECO with prior approval of concerned Superitending Engineer. SSR 50.85	302	4	Rupees Three Hundred Two Paise Fourty Only	KG.	408240			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
205	100.00	Providing, laying and fixing, jointing Eco-drain 160 mm SN4 Nu-Drain Upvc pipes or of equivalent make, manufacture as per EN13476 or equivalent as per I.S.15328 with fittings such a bends, tees , coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete. SSR 43.31	533	4	Rupees Five Hundred ThirtyThree Paise Fourty Only	Rmt.	53340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

206	10.00	Providing, laying and fixing, jointing Eco-drain 200 mm SN4 Nu-Drain Upvc pipes or of equivalent make, manufacture as per EN13476 or equivalent as per I.S.15328 with fittings such as bends, tees, couplers etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete. SSR 43.32	979	65	Rupees Nine Hundred SeventyNine Paise SixtyFive Only	Rmt.	9796.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
207	3.00	Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	565	95	Rupees Five Hundred SixtyFive Paise NinetyFive Only	Nos.	1697.85			BD.V 32 A page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		PUMPS								
208	2.00	Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 415V, Single phase 50 cycles A.C. supply of 5.625 kW/7.5 HP with discharge 900/120 Litres per Minute (LPM)) for head of 57 TO 22 m & 75 mm suction/ 65 mm delivery pipe on provided C.C.foundation as per specification No. WP-CGP CSR 12-3-4	41089	0	Rupees FortyOne Thousand EightyNine Only	Nos.	82178			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		DOMESTIC PUMP FLOW RATE- 335 LPM (1 working + 1 standby)								
		HEAD- 60 M								
209	2.00	Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 415V, Single phase 50 cycles A.C. supply of 3.75 kW/5 HP with discharge 120/840 Litres per Minute (LPM)) for head of 21/42 m & 65 mm suction/ 50 mm delivery pipe on provided C.C.foundation as per specification No. WP-CGP CSR 12-3-2	28285	0	Rupees TwentyEight Thousand Two Hundred EightyFive Only	Nos.	56570			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FLUSHING PUMP FLOW RATE- 225 LPM (1 working + 1 standby)								
		HEAD- 60 M								

210	2.00	Supplying, erecting, testing and commissioning of minimum three & above star rated 230 V, single phase, 50 Hz, A.C. supply submersible pump set of 0.75 kW/1HP for erection on open well, pump having delivery head from 34 to 15 m and discharge from 5 to 180 lpm & 32 mm suction/25 mm delivery dia. as per specification no. WP-OSP. CSR 12-3-5	16218	0	Rupees Sixteen Thousand Two Hundred Eighteen Only	Nos.	32436			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SUMP PUMP FLOW RATE- 180 LPS (1 working + 1 standby)								
		HEAD- 10 M								
211	2.00	Supplying & erecting pressure booster pump, single phase, 50 Hz, A.C. supply of 0.75 kW/ 1 HP, with discharge of 480 to 13 lpm for 10 to 50 m head & 25 mm suction/ 25 mm delivery pipe, for domestic pressure boosting applications (with 24 ltr water tank) as per specification no. WP-PP CSR 12-6-2	23964	0	Rupees TwentyThree Thousand Nine Hundred SixtyFour Only	Nos.	47928			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		DOMESTIC BOOSTER PUMP FLOW RATE- 170 LPM (1 working + 1 standby)								
		HEAD- 20 M								
212	2.00	Supplying & erecting pressure booster pump, single phase, 50 Hz, A.C. supply of 0.75 kW/ 1 HP, with discharge of 480 to 13 lpm for 10 to 50 m head & 25 mm suction/ 25 mm delivery pipe, for domestic pressure boosting applications (with 24 ltr water tank) as per specification no. WP-PP CSR 12-6-2	23964	0	Rupees TwentyThree Thousand Nine Hundred SixtyFour Only	Nos.	47928			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FLUSHING BOOSTER PUMP FLOW RATE- 480 LPM (1 working + 1 standby)								
		HEAD- 20 M								
213	2.00	Supplying & erecting Minimum three & above star rated Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1.125 kW/1.5HP with discharge 198/50 Litres per Minute (LPM)) for head of 15/37.5 m & 40 mm suction/ 32 mm delivery pipe on provided C.C.foundation as per specification No. WP-CGP CSR 12-1-3	12555	0	Rupees Twelve Thousand Five Hundred FiftyFive Only	Nos.	25110			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		IRRIGATION PUMP FLOW RATE- 120 LPM (1 working + 1 standby)								
		HEAD- 15 M								

214	8.00	Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-23	6439	0	Rupees Six Thousand Four Hundred ThirtyNine Only	Nos.	51512			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
215	8.00	Supplying and erecting 75/80 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-5	4595	0	Rupees Four Thousand Five Hundred NinetyFive Only	Nos.	36760			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
216	16.00	Supplying and erecting 75/80 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF VL/BFV CSR 13-7-19	3222	0	Rupees Three Thousand Two Hundred TwentyTwo Only	Nos.	51552			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
217	5.00	Supplying and erecting 65 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-18	2709	0	Rupees Two Thousand Seven Hundred Nine Only	Nos.	13545			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
218	4.00	Supplying and erecting 50 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-17	2508	0	Rupees Two Thousand Five Hundred Eight Only	Nos.	10032			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
219	8.00	Supplying and erecting 100 mm dia. Pressure gauge, 0-300 PSI or 0-14 kg per cm square fitted with 12 / 15 mm dia. Padcock valve, erected with provided G.I. pipe, elbow etc. complete as per specification no. FF-FFA/PG CSR 13-8-14	810	0	Rupees Eight Hundred Ten Only	Nos.	6480			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
220	3.00	Supplying, erecting, testing and commissioning of water level controller 230/415V, A.C. supply , four way under ground & over head tank operation only. CSR 12-4-15	1305	0	Rupees One Thousand Three Hundred Five Only	Nos.	3915			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		PLUMBING PANELS (ELECTRICAL PART)								

221	2.00	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	1059	0	Rupees One Thousand FiftyNine Only	Nos.	2118			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		Bus bar with enclosure with all control accessories of 100A Motor control center for fully functioning as Plumbing pump panel with in W+S configuration as per Electrical SLD.								
222	1.00	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	71221	0	Rupees SeventyOne Thousand Two Hundred TwentyOne Only	Nos.	71221			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
223	1.00	Providing & erecting floor/wall mounting, MCCB panel board, with door, suitable for 4 pole incoming 250A, 6 ways 4 pole outgoing, up to 100A MCCBs on iron frame, as per specification no SW-MCCBPB. (Excluding MCCBs) CSR 5-7-3	49808	0	Rupees FourtyNine Thousand Eight Hundred Eight Only	Nos.	49808			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		Out Going								
224	6.00	Supplying, erecting, testing and commissioning of automatic control panel for single phase, 230 V, A.C. supply submersible/ centrifugal pump set upto 3 HP consisting of D.O.L. starter of suitable relay range, S.P.P., combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection. CSR 12-4-20	4342	0	Rupees Four Thousand Three Hundred FourtyTwo Only	Nos.	26052			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
225	6.00	Supplying, erecting, testing and commissioning of automatic control panel for three phase , 415 V, A.C. supply, submersible/ centrifugal pump set upto 7.5 HP consisting of D.O.L. starter having relay range 9-14 A, S.P.P., combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc. CSR 12-4-17	6673	0	Rupees Six Thousand Six Hundred SeventyThree Only	Nos.	40038			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

226	8.00	Supplying, erecting & marking DP MCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	510	0	Rupees Five Hundred Ten Only	Nos.	4080			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
227	8.00	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	1059	0	Rupees One Thousand FiftyNine Only	Nos.	8472			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
228	90.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 2 core 2.5 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 7-2-8	146	0	Rupees One Hundred FortySix Only	Rmt.	13140			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
229	10.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 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 (PROVISIONAL) CSR 7-2-14	175	0	Rupees One Hundred SeventyFive Only	Rmt.	1750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
230	90.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 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 7-2-15	244		Rupees Two Hundred FortyFour Only	Rmt.	21960			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

231	90.00	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	299	0	Rupees Two Hundred NinetyNine Only	Rmt.	26910			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
232	100.00	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 150mm width&75mmheight complete with necessary coupler plates & hardware. CSR 7-11-6	590	0	Rupees Five Hundred Ninety Only	Rmt.	59000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
233	3.00	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 earth wire) CSR 9-2-5	168	0	Rupees One Hundred SixtyEight Only	KG	504			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		ELECTRICAL WIRING			0					
234	50.00	Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no.1.2.3 CSR 1-1-1	214	0	Rupees Two Hundred Fourteen Only	Rmt.	10700			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
235	3500.00	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	104	0	Rupees One Hundred Four Only	Rmt.	364000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
236	12050.00	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	90	0	Rupees Ninety Only	Rmt.	1084500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

237	2500.00	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	116	0	Rupees One Hundred Sixteen Only	Rmt.	290000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
238	10000.00	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	102	0	Rupees One Hundred Two Only	Rmt.	1020000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
239	10.00	Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC..(PROVISIONAL QTY) CSR 1-1-11	153	0	Rupees One Hundred FiftyThree Only	Rmt.	1530			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
240	10.00	Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC.(PROVISIONAL QTY) CSR 1-1-12	139	0	Rupees One Hundred ThirtyNine Only	Rmt.	1390			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
241	600.00	Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	19	0	Rupees Nineteen Only	Rmt.	11400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
242	13500.00	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 CSR 1-3-1	46	0	Rupees FourtySix Only	Rmt.	621000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
243	5000.00	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	23	0	Rupees TwentyThree Only	Rmt.	115000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

244	11250.00	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 CSR 1-3-2	71	0	Rupees SeventyOne Only	Rmt.	798750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
245	8000.00	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	36	0	Rupees ThirtySix Only	Rmt.	288000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
246	50.00	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 Continuous earth wire size shall be selected as per IS 732:2019 (PROVISIONAL QTY) CSR 1-3-3	247	5	Rupees Two Hundred FourtySeven Paise Fifty Only	Rmt.	12375			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
247	100.00	Supplying & erecting mains with 3x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW (PROVISIONAL QTY) CSR 1-3-6	107	0	Rupees One Hundred Seven Only	Rmt.	10700			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
248	50.00	Supplying and erecting ISI mark Ceiling rose / Batten holder / Slanting holder / hanging cord switch / hanging bell push / pendent holder bakelite base 6A. erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished double wooden block/ ISI mark PVC junction box. CSR 1-5-5	43	0	Rupees FourtyThree Only	Nos.	2150			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
249	540.00	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	72	0	Rupees SeventyTwo Only	Nos.	38880			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
250	70.00	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	108	0	Rupees One Hundred Eight Only	Nos.	7560			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

251	5.00	Supplying and erecting modular type switch one way 16/20 A on provided plate and box with wiring connections complete with neon indicator. CSR 1-6-7	128	0	Rupees One Hundred TwentyEight Only	Nos.	640			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
252	180.00	Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-10	116	0	Rupees One Hundred Sixteen Only	Nos.	20880			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
253	70.00	Supplying and erecting modular type 3 pin 6 / 16A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-11	186	0	Rupees One Hundred EightySix Only	Nos.	13020			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
254	4.00	Supplying and erecting modular type T.V. socket single outlet on provided plate and box with wiring connections complete CSR 1-6-14	109	0	Rupees One Hundred Nine Only	Nos.	436			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
255	3.00	Supplying and erecting modular type telephone socket one gang with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-15	114	0	Rupees One Hundred Fourteen Only	Nos.	342			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
256	35.00	Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-17	152	0	Rupees One Hundred FiftyTwo Only	Nos.	5320			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
257	230.00	Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box. CSR 1-6-24	24	0	Rupees TwentyFour Only	Nos.	5520			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

258	50.00	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	231	0	Rupees Two Hundred ThirtyOne Only	Nos.	11550			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
259	54.00	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	234	0	Rupees Two Hundred ThirtyFour Only	Nos.	12636			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
260	15.00	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	269	0	Rupees Two Hundred SixtyNine Only	Nos.	4035			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
261	5.00	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	298	0	Rupees Two Hundred NinetyEight Only	Nos.	1490			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
262	100.00	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	389	0	Rupees Three Hundred EightyNine Only	Nos.	38900			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
263	13.00	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 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 1-6-39	454	0	Rupees Four Hundred FiftyFour Only	Nos.	5902			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

264	35.00	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 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 1-6-40	544	0	Rupees Five Hundred FourtyFour Only	Nos.	19040			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
265	10.00	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-41	614	0	Rupees Six Hundred Fourteen Only	Nos.	6140			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
266	1.00	Supplying and erecting modular popup Box 8 module with provided AV/ HDMI , RJ 45,6 A electrical sockets and switch on provided table . CSR 1-6-57	3162	0	Rupees Three Thousand One Hundred SixtyTwo Only	Nos.	3162			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
267	10.00	Supplying, erecting & terminating 2 pair telephone copper cable 0.5 mm dia. with high density polyethylene insulation, polyester taped, nylon rip cord & grey colour sheathed with FR PVC, confirming to ITD specification S/WS 113C laid in provided PVC casing-n-capping/conduit as per specification no. WG-TW CSR 19-1-1	24	0	Rupees TwentyFour Only	m	240			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
268	50.00	Supplying, erecting & terminating 10 pair, 0.5mm dia, jelly filled unarmoured telephone copper cable with poly-al laminate moisture barrier, laid in provided PVC casing-n-capping/conduit as per specification no. WG-TW CSR 19-1-9	110	0	Rupees One Hundred Ten Only	m	5500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
269	50.00	Supplying, erecting & terminating co-axial copper cable low voltage grade tri shielded RG-6 as per specification no. WG-TW CSR 19-1-19	42	0	Rupees FourtyTwo Only	m	2100			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

270	1.00	Supplying, installing, testing & commissioning digital (hybrid) type EPABX of 6x 32 universal extensions suitable upto 96 extensions compliant to IEC61000, EN 60950, CISPR 22, IS:9000 part 2/section 4 having LAN/WAN port, USB port, RS232 port as per specification complete as per specification no. WG CSR 19-2-26	66769	0	Rupees SixtySix Thousand Seven Hundred SixtyNine Only	Nos.	66769			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
271	1000.00	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 (Data/Tel Points) CSR 19-3-1	57	0	Rupees FiftySeven Only	RM	57000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		LIGHT FITTINGS								
272	60.00	Supplying and erecting LED square / circular Max. 11 W down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-3	807	0	Rupees Eight Hundred Seven Only	NOS	48420			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
273	400.00	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 CSR 2-1-5	1544	0	Rupees One Thousand Five Hundred FortyFour Only	NOS	617600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

274	140.00	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 2.5kV, 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. (provisional) CSR 2-1-6	1945	0	Rupees One Thousand Nine Hundred FortyFive Only	NOS	272300			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
275	42.00	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	2487	0	Rupees Two Thousand Four Hundred EightySeven Only	NOS	104454			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
276	10.00	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	2887	0	Rupees Two Thousand Eight Hundred EightySeven Only	NOS	28870			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

277	15.00	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 complete with all fixtures As per Drawing and Specification. Approved MR	2150	0	Rupees Two Thousand One Hundred Fifty Only	NOS	32250			Including all fixtures, color of light as specified, Testing & commissioning As per Instruction given by Executive Engineer/
278	15.00	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 complete with all fixtures As per Drawing and Specification. Approved MR	4500	0	Rupees Four Thousand Five Hundred Only	NOS	67500			Including all fixtures, color of light as specified, Testing & commissioning As per Instruction given by Executive Engineer/
279	10.00	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.(5 M Each) (Provisional) CSR 2-1-10	1889	0	Rupees One Thousand Eight Hundred EightyNine Only	NOS	18890			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
280	8.00	Supply, Installation Testing and Commissioning of the following light fixture with all necessary accessories to make it complete. LED Hanging Light- 20W Approved MR	7540	0	Rupees Seven Thousand Five Hundred Fourty Only	NOS	60320			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

281	10.00	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 transperent. h) All suspended fixtures shall be provided with SS caps to put around suspension at flase 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: LED DECORATIVE HANGING LIGHT FITTINGS Approved MR	26200	0	Rupees TwentySix Thousand Two Hundred Only	NOS	262000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
282	50.00	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	2580	0	Rupees Two Thousand Five Hundred Eighty Only	Rmt.	129000			Including all fixtures, color of light as specified, Testing & commissioning
283	10.00	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. (Provisional) CSR 2-1-12	1915	0	Rupees One Thousand Nine Hundred Fifteen Only	NOS	19150			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

284	2.00	Supplying, installing, testing and commissioning 15W PA Column Speakers with 15W RMS power in aluminium extruded cabinet, Moulded Plastic Covers & Metal mesh grill, frequency response 150-15,000Hz, operates on 100V line with power taps of 15/10/5/2.5W in black or white color, With Mounting clamps & Necessary hardware, as per decision by Engineer-in charge complete as per specification no. PA-CS CSR 19-7-16	2824	0	Rupees Two Thousand Eight Hundred TwentyFour Only	NOS	5648			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
285	2.00	Supplying, installing, testing and commissioning 30W PA Column Speakers with 30W RMS power in aluminium extruded cabinet, Moulded Plastic Covers & Metal mesh grill, 100V transformer with rotary switch for power tap selection, frequency response 150-10,000Hz, with power taps of 30/20/10/5 W in black or white color as per the decision of Engineer-in charge, complete with mounting clamps & necessary hardware complete as per specification no. PA-CS CSR 19-7-17	3882	0	Rupees Three Thousand Eight Hundred EightyTwo Only	NOS	7764			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
286	2.00	Supplying & erecting 2-Way Compact PA Wall Speaker of 16W High Fidelity sound with rated voltage 100V, power taps of 16W, 8W, 4W, Power Taps can be selected through an easily accessible rotary switch, Low impedance 8Ω, frequency response 85-20000Hz. Weather Resistant speaker with movable mounting bracket with required screws complete as per specification no. PA-CPAWS CSR 19-7-18	3514	0	Rupees Three Thousand Five Hundred Fourteen Only	NOS	7028			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
287	2.00	Supplying & erecting 2-Way Compact PA Wall Speaker of 32W High Fidelity sound with rated voltage 100V, power taps of 32W, 16W, 8W, Power Taps can be selected through an easily accessible rotary switch Low impedance 8Ω, frequency response 80-20000Hz. Weather Resistant speaker with movable mounting bracket with required screws, complete as per specification no. PA-CPAWS CSR 19-7-19	5335	0	Rupees Five Thousand Three Hundred ThirtyFive Only	Each	10670			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

288	1.00	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	27671	0	Rupees TwentySeven Thousand Six Hundred SeventyOne Only	NOS	27671			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
289	1.00	Supplying, erecting, testing & commissioning Mixer Amplifier 120W RMS Power with Built-in MP3 player with remote control for USB, SD/MMC card reader, with min 5 Mic & 2 Aux Input, bluetooth facility, frequency response 50-15,000Hz ±3dB, Signal to noise ratio between 60dB to 65dB min 5 LED array for output level monitoring. It Shall have Line Output to connect a Booster Amplifier and Preamplifier Output. The Amplifier shall have Speaker Outputs - 4Ω, 8Ω, (Low Impedence) and 70V & 100V/(High Impedence), and can operate on 220-240V Power Supply & DC : 12V (facility to instant transfer to DC power if AC power fails) complete as per specification no. PA-MA CSR 19-7-10	14667	0	Rupees Fourteen Thousand Six Hundred SixtySeven Only	NOS	14667			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
290	600.00	Making suitable size recess in any type of false ceiling for erection of flush type down lighter and finishing the background to match the original surface upto 20W as per specification No. FG-IDF/LED. CSR 2-1-13	63	0	Rupees SixtyThree Only	NOS	37800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
291	42.00	Making suitable size of recess in any type of false ceiling for erection of flush type LED panel light 600mm x 600mm / 1200x300mm and finishing the background to match the original ceiling surface as per specification No. FGIDF/ LED. CSR 2-1-14	138	0	Rupees One Hundred ThirtyEight Only	NOS	5796			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

292	20.00	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	1423	0	Rupees One Thousand Four Hundred TwentyThree Only	NOS	28460			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
293	15.00	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	1299	0	Rupees One Thousand Two Hundred NinetyNine Only	NOS	19485			Including all fixtures, color of light as specified, Testing & commissioning
294	10.00	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	1416	0	Rupees One Thousand Four Hundred Sixteen Only	NOS	14160			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
295	8.00	Supplying and erecting anodized aluminium mirror light LED fitting (2 feet) 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	455	0	Rupees Four Hundred FiftyFive Only	NOS	3640			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

296	40.00	Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 22W 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 2-1-18	802	0	Rupees Eight Hundred Two Only	NOS	32080			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
297	10.00	Supplying and erecting integrated LED street light fitting 23 to 25W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty as per specification No. FGODF/ SL.(provisional) CSR 2-3-2	2136	0	Rupees Two Thousand One Hundred ThirtySix Only	NOS	21360			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
298	10.00	Light fixtures complete with: a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation. b) Lamp of specified wattage c) Electronic ballast of suitable capacity as per specification SITC of IP67 linear surface-mounted LED luminaire. Extruded H shaped aluminum profile. Downlighter/Wall mounted CFL (SP-ME-TS- 19) MCGM R3-ME-4-3-f	22210	0	Rupees TwentyTwo Thousand Two Hundred Ten Only	NOS	222100			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

299	5.00	Light fixtures complete with: a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation. b) Lamp of specified wattage c) Electronic ballast of suitable capacity as per specification R3-ME-4-4 Industrial Flood light Symmetrical, Integral type luminaire with 250W metal halide lamp with control gear and filament as per specification MCGM R3-ME-4-4-a	10644	0	Rupees Ten Thousand Six Hundred FourtyFour Only	NOS	53220			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
300	5.00	Supplying and erecting decorative type LED street light pole (as per approved design) with fitting 25 to 30 W IP65 & IK08 class, All fixing accessories, mounting Brackets etc. necessary for completeness of installation. system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty. as specification provided by engineer incharge. Approved MR	25000	0	Rupees TwentyFive Thousand Only	NOS	125000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
301	1.00	Supplying and erecting integrated LED Highbay Fitting 70W IP65 & IK08 class having die cast aluminium housing with polycarbonate diffuser with integrated optics, having system lumens output of Min.10000 Lumens, min. efficacy of 145 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L50B50, including driver complete with 2 Year warranty as per specification No FG-ODF/LED (provisional) CSR 2-5-1	10348	0	Rupees Ten Thousand Three Hundred FourtyEight Only	NOS	10348			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
302	1.00	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.(provisional) CSR 2-3-20	6834	0	Rupees Six Thousand Eight Hundred ThirtyFour Only	NOS	6834			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

303	1.00	Supplying and erecting Concealed type foot/step light Max. 5W having IP67, IK10 rated Pressure die cast housing having system lumens output of Min. 500 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, SDCM<5, p.f. >0.95, operating range of 230-270V, surge protection of 2.5 kV, Life class of 25,000 Hrs at L70B50, including driver by making necessary arrangement / recess in wall to make it flush with surface with minimum 2 Year warranty.(Facade Light-provisional) CSR 2-3-23	2778	0	Rupees Two Thousand Seven Hundred SeventyEight Only	NOS	2778			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
304	1.00	Supplying and erecting cabin fan of A.C. 230 V. 50 cycles 250 mm. /300 mm. sweep complete with necessary brackets for fixing cabin fans, wire etc.(provisional) CSR 2-9-11	1848	0	Rupees One Thousand Eight Hundred FortyEight Only	NOS	1848			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
305	2.00	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6 m in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG-BKT/BPC. (provisional) CSR 2-6-1	720	0	Rupees Seven Hundred Twenty Only	NOS	1440			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
306	10.00	SITC of IP67 flexible 24 V linear LED stripColor temperature (CCT) (provisional) MCGM R3-ME-4-34-h	7403	0	Rupees Seven Thousand Four Hundred Three Only	Mtr	74030			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
307	70.00	Supplying and erecting Energy Saving BLDC Ceiling fan 230 V A.C. 50 cycles 1200 mm, max. energy consumption of 28W having service ratio (CMM/W) of Min. 8 , PF>0.9, THD<10% with IR remote control/compatible speed regulator, Temperature Rise of Max. 40 deg. C, having external mounted control PCB completely erected in position as per specification no. FG-FN/CF CSR 2-9-22	4499	0	Rupees Four Thousand Four Hundred NinetyNine Only	Each	314930			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
308	70.00	Supplying & fixing anchor type fastener fan hook, with 2 nos. of 10 mm dia x 75 mm long with necessary materials for ceiling fan. CSR 2-10-2	107	0	Rupees One Hundred Seven Only	Each	7490			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

309	70.00	Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and within any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab. CSR 2-10-5	186	0	Rupees One Hundred EightySix Only	Each	13020			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
310	70.00	Supplying and erecting „B“ class G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire. CSR 2-10-6	241	0	Rupees Two Hundred FourtyOne Only	m	16870			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
311	1.00	Providing & erecting 3m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL(provisional) CSR 8-2-9	10552	0	Rupees Ten Thousand Five Hundred FiftyTwo Only	NOS	10552			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		UPS								
312	1.00	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. AP-UPS (Without batteries) CSR 3-7-8	290248	0	Rupees Two Lakh Ninety Thousand Two Hundred FourtyEight Only	Nos.	290248			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
313	8.00	Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. for 15 mins battery backup CSR 3-8-12	9549	0	Rupees Nine Thousand Five Hundred FourtyNine Only	Nos.	76392			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SOLAR								

314	1.00	Supplying, installing, testing and commissioning of 5 kWp ON-GRID Solar pV System / Plant consisting Solar PV Poly Crystalline Panel (335 Wp X 30 Nos.) and Solar ON-GRID Inverter of similar capacity (THD<3%) with interconnecting wires / cables up to solar ON GRID inverter, proper base plate, canopy box to house Inverter and necessary accessories i.e. ACDB/ DCDB, MCB etc. wiring up to solar Inverter in casing and capping, display board, sign board, two distinct earthing, lightning arrester, liasoning charges, remote monitoring system with maintaining card/chip for 5 years including net charges for RMS System, complete upto net meter installation and export to the grid with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per Specification no. ESD-RT-ONG CSR 4-5-2	290614	0	Rupees Two Lakh Ninety Thousand Six Hundred Fourteen Only	Each	290614			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SWITCHGEARS, DBs, PANELS								
315	1.00	Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 315-320A, 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 5-1-7	17093	0	Rupees Seventeen Thousand NinetyThree Only	Nos.	17093			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
316	10.00	Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-1	250	0	Rupees Two Hundred Fifty Only	Nos.	2500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
317	25.00	Supplying, erecting & marking SP MCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-2	174	0	Rupees One Hundred SeventyFour Only	Nos.	4350			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
318	260.00	Supplying, erecting & marking SP MCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-3	173	0	Rupees One Hundred SeventyThree Only	Nos.	44980			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

319	10.00	Supplying, erecting & marking SP MCB 40A to 63A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-4	369	0	Rupees Three Hundred SixtyNine Only	Nos.	3690			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
320	1.00	Supplying, erecting & marking SP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-5	351	0	Rupees Three Hundred FiftyOne Only	Nos.	351			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
321	1.00	Supplying, erecting & marking DPMCB 6A to 32A ,B-series with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as perspecification no. SW-MCB CSR 5-3-7	510	0	Rupees Five Hundred Ten Only	Nos.	510			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
322	1.00	Supplying, erecting & marking TP MCB 40A to 63A, with rated short-circuit breaking capacity(Icn) 10kA in provided distribution board as per specificationno. (provisional) SW-MCB CSR 5-3-11	992	0	Rupees Nine Hundred NinetyTwo Only	Nos.	992			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
323	20.00	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	1059	0	Rupees One Thousand FiftyNine Only	Nos.	21180			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
324	50.00	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	1329	0	Rupees One Thousand Three Hundred TwentyNine Only	Nos.	66450			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
325	20.00	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.- Floor LDB/PDB/ACDB CSR 5-4-2	3317	0	Rupees Three Thousand Three Hundred Seventeen Only	Nos.	66340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

326	10.00	Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 12 ways/phase (36 poles), with door, 1.2mm thickness surface/flush mounted, IP43 Protection provided on iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB- Floor Lighting and pOwer DB CSR 5-4-3	4118	0	Rupees Four Thousand One Hundred Eighteen Only	Nos.	41180			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
327	6.00	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 -Lifts,UPS CSR 5-4-15	408	0	Rupees Four Hundred Eight Only	Nos.	2448			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
328	20.00	Supplying and erecting blanking plate of suitable size on MCBDB. CSR 5-4-16	17	0	Rupees Seventeen Only	Nos.	340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
329	1.00	Supplying & erecting triple pole and neutral distribution board (TPNDB), 3 pole MCCB as incomer & outgoing SP MCB (24 poles) or TP MCB of 8 ways (24 poles), with door, 1.2mm thickness, surface/flush mounted, on provided iron/GI frame (vertical busbar type) as per specification no. SW-SWR/MCBDB1-AC VTPN DB CSR 5-4-18	8890	0	Rupees Eight Thousand Eight Hundred Ninety Only	Nos.	8890			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
330	2.00	Supplying & erecting triple pole and neutral distribution board (TPNDB), 3 pole MCCB as incomer & outgoing SP MCB (36 poles) or TP MCB of 12 ways (36 poles), with door, 1.2mm thickness, surface/flush mounted, on provided iron/GI frame (vertical busbar type) as per specification no. SW-SWR/MCBDB1- Lighting & Power DB CSR 5-4-19	9991	0	Rupees Nine Thousand Nine Hundred NinetyOne Only	Nos.	19982			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
331	15.00	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 alarmcontact. 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	6969	6	Rupees Six Thousand Nine Hundred SixtyNine Paise Sixty Only	Nos.	104544			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

332	1.00	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	10832	4	Rupees Ten Thousand Eight Hundred ThirtyTwo Paise Fourty Only	Nos.	10832.4			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
333	1.00	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	13310	4	Rupees Thirteen Thousand Three Hundred Ten Paise Fourty Only	Nos.	13310.4			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
334	2.00	Providing & erecting 4 Pole MCCB 415V, 250A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact.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 5-5-4	19029	6	Rupees Nineteen Thousand TwentyNine Paise Sixty Only	Nos.	38059.2			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
335	7.00	Providing & erecting 4 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	23994	0	Rupees TwentyThree Thousand Nine Hundred NinetyFour Only	Nos.	167958			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

336	1.00	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-MCCB CSR 5-5-7	33016	8	Rupees ThirtyThree Thousand Sixteen Paise Eighty Only	Nos.	33016.8			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
337	120.00	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	2136	0	Rupees Two Thousand One Hundred ThirtySix Only	Nos.	256320			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
338	30.00	Supplying, erecting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-2	2327	0	Rupees Two Thousand Three Hundred TwentySeven Only	Nos.	69810			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
339	6.00	Supplying, erecting & commissioningpole 2 RCCB 63A,, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-3	2815	0	Rupees Two Thousand Eight Hundred Fifteen Only	Nos.	16890			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
340	2.00	Supplying, erecting & commissioningpole 4 pole RCCB 63A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB--Litft CSR 5-6-6	3092	0	Rupees Three Thousand NinetyTwo Only	Nos.	6184			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
341	1.00	Providing & erectingfloor/wallmounting, MCCB panelboard, withdoor, suitable for 4 poleincoming 250A, 8 ways 4 pole outgoing, upto 100A MCCBs on iron frame,as per specification no. SW-MCCBPB. (Excluding MCCBs) CSR 5-7-4	54900	0	Rupees FiftyFour Thousand Nine Hundred Only	Nos.	54900			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

342	1.00	Providing & erecting incoming and outgoing cable alley ssuitable for MCCB panel board with door,250A incoming and 8way outgoing or 400A incoming and 6 way out going made from CRCA sheet 1.6mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and DB complete. (provsional) CSR 5-7-13	18063	0	Rupees Eighteen Thousand SixtyThree Only	Set	18063			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
343	1750.00	Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treament and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. For manufacturing of panel, CRCA sheet of min 1.6 mm to 1.8 mm thickness shall be used for external enclosure and min 1.2 to 1.4 mm thickness for internal separation and min 2 mm to 2.4 mm thickness shall be used for cable entry / gland plate . CSR 6-1-1	261	0	Rupees Two Hundred SixtyOne Only	kg.	456750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
344	1050.00	Supplying, erecting, testing & commisioning 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 Note:- Nut, bolts holding the lugs to bus bar shall be of bimetallic/ brass/ cadmium plated steel. CSR 6-2-11	723	0	Rupees Seven Hundred TwentyThree Only	kg.	759150			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
345	1.00	Supplying and erecting LT CT multifunction DLMS compliance energy meter of accuracy of class 0.5, 3x240V, 50 Hz with optical & RS 232 port, backlit LCD, measures & displays trivector energy, load survey, TOD, tamper detection & logging, power ON /OFF events, instantaneous parameters of rating 1/5 A with display in absence of power complete with zero adjustment & test certificate from manufacturer erected on provided M.S. box and connected to CTs. CSR 6-5-5	8982	0	Rupees Eight Thousand Nine Hundred EightyTwo Only	Nos.	8982			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

346	5.00	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	9436	0	Rupees Nine Thousand Four Hundred ThirtySix Only	Nos.	47180			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
347	1.00	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 (PROVISIONAL) CSR 6-5-13	12298	0	Rupees Twelve Thousand Two Hundred NinetyEight Only	Nos.	12298			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

348	1.00	Supplying, erecting and commissioning of IoT System Controller / Gateway for electrical and allied services with Inbuilt GPRS, WiFi, LAN Capabilities for Multifunction Meters, Level Sensors , temperature sensors etc. and able to collect data from communicable device of available protocol on real time basis with following specifications 1) ARM based Controller (1.6 Ghz processor with 1.2 GB RAM) with inbuilt 16GB memory 2) Inbuilt 4G/3G/GPRS modem with fallback and suitable antenna to communicate with cloud 3) Data services must be from at least two reliable service providers and system should support automatic switching to 2nd service provider in case of low network without any intervention. System should support changing of service providers without changing SIM cards 4) Gateway must have Modbus, MBUS, Ethernet and DLMS any other future open-source protocol (that uses RS485 or TCP port) must be provided free of cost for theperiod of at least 1 year 5) Must have one RS485 and one ethernet port 6) Thecontroller must send data with TLS encryption and the data on controller must beencrypted 7) Operable with 230V AC supply. Gateway shall collect maximum 15 20 devices for data collection 8) Software shall support for AI application with critical alarm on mobile app as per specification no. CP-IoT CSR 6-5-20	175924	0	Rupees One Lakh SeventyFive Thousand Nine Hundred TwentyFour Only	Nos.	175924			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
349	1.00	Supplying, erecting and commissioning of Input Output card 20 Channel for accessibility of input from potential free contact and same to be used to monitor the status of circuit breaker/meters/sensors etc., i.e On/ Off/Trip Status and shall be able to communicate through RS 485 Port as per specification no. CP-IoT CSR 6-5-22	16353	0	Rupees Sixteen Thousand Three Hundred FiftyThree Only	Nos.	16353			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
350	7.00	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	355	0	Rupees Three Hundred FiftyFive Only	Nos.	2485			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

351	3.00	Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. CSR 6-7-2	1175	0	Rupees One Thousand One Hundred SeventyFive Only	Nos.	3525			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
352	42.00	Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. CSR 6-7-5	362	0	Rupees Three Hundred SixtyTwo Only	Nos.	15204			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
353	1.00	Supplying, erecting & marking of surge arrestor/ 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 6-8-4	17646	0	Rupees Seventeen Thousand Six Hundred FourtySix Only	Nos.	17646			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
354	1.00	Supplying, erecting, testing & commisioning 150 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 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 I _n , peak inrush current capacity 300 I _n 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 6-9-21	546192	0	Rupees Five Lakh FourtySix Thousand One Hundred NinetyTwo Only	Nos.	546192			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		CABLES								

355	75.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 25 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(use of FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-1-15	258	3	Rupees Two Hundred FiftyEight Paise Thirty Only	RM	19372.5			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
356	140.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (round) 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 (Wire Armoured)use of FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable CSR 7-1-21	1082	4	Rupees One Thousand EightyTwo Paise Fourty Only	RM	151536			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
357	95.00	Supplying, erecting & terminating FRLS 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.FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable CSR 7-1-23	1449	0	Rupees One Thousand Four Hundred FourtyNine Only	RM	137655			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
358	28.00	Supplying, erecting & terminating FRLS 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(use of FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-1-16	311	85	Rupees Three Hundred Eleven Paise EightyFive Only	RM	8731.8			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
359	60.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 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.use of FRLS-XLPE insulation instead of FR-XLPE insulated CSR 7-1-22	1157	1	Rupees One Thousand One Hundred FiftySeven Paise Ten Only	RM	69426			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

360	100.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 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 7-1-24	1731	0	Rupees One Thousand Seven Hundred ThirtyOne Only	RM	173100			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
361	50.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 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(use of FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-14	175	0	Rupees One Hundred SeventyFive Only	RM	8750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
362	10.00	Supplying, erecting & terminating FRLS 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	487	56	Rupees Four Hundred EightySeven Paise FiftySix Only	RM	4875.6			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
363	540.00	Supplying, erecting & terminating FRLS 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(FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-31	304	98	Rupees Three Hundred Four Paise NinetyEight Only	RM	164689.2			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
364	120.00	Supplying, erecting & terminating FRLS 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(FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-32	405	96	Rupees Four Hundred Five Paise NinetySix Only	RM	48715.2			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

365	420.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) 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(FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-33	617	1	Rupees Six Hundred Seventeen Paise Ten Only	RM	259182			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
366	160.00	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(FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-34	884	34	Rupees Eight Hundred EightyFour Paise ThirtyFour Only	RM	141494.4			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
367	10.00	Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG GI sheet of 400 mm width & 100 mm height with required standard accessories.(provisional) CSR 7-11-4	915	0	Rupees Nine Hundred Fifteen Only	Rmt	9150			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
368	120.00	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 400 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-9	1018	0	Rupees One Thousand Eighteen Only	Rmt	122160			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
369	20.00	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	590	0	Rupees Five Hundred Ninety Only	Rmt	11800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
370	150.00	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 200 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete CSR 7-6-15	677	0	Rupees Six Hundred SeventySeven Only	Rmt	101550			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

371	60.00	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 500 mm width & 75 mm height complete with necessary coupler plates & hardware' CSR 7-11-10	1189	0	Rupees One Thousand One Hundred EightyNine Only	Rmt	71340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		EARTHING								
372	10.00	Supplying, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories of GI materials & recording the results as per specification no. EA-EP - Electrical Panel, LPS, Lifts CSR 9-1-4	1537	0	Rupees One Thousand Five Hundred ThirtySeven Only	Nos.	15370			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
373	1.00	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 (PROVISIONAL) CSR 9-1-5	12357	0	Rupees Twelve Thousand Three Hundred FiftySeven Only	Nos.	12357			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
374	1.00	Supplying, installing and testing earthing with copper earth plate size 60 x 60 x 0.315 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover with minimum 25 kg Carbon based environment friendly back fill ground enhancing compound complete with all accessories of copper materials & recording the results as per specification no EA-EP/EF- UPS CSR 9-1-6	15816	0	Rupees Fifteen Thousand Eight Hundred Sixteen Only	Nos.	15816			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
375	120.00	Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification no EA-EP. (STRIP SIZE TO BE AS PER ELECTRICAL SLD, ALL EARTH PITS TO BE INTERCONNECTED FOR EQUIPOTENTIAL BONDING,LPS GRID AT TERRACE) CSR 9-2-3	236	0	Rupees Two Hundred ThirtySix Only	KG	28320			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

376	50.00	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	168	0	Rupees One Hundred SixtyEight Only	KG	8400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
377	2.00	Supplying & erecting conventional spike type air termination suitable to carry lightning stroke made up of heavy gauge (C class) 40 mm dia 1.2mtr copper pipe of standard length with 5 Nos. copper spikes fixed on copper ball of size 100mm as air terminals duly threaded in copper pipe erected on provided foundation in an approved manner as per spicification no. EA-LA CSR 9-3-1	6411	0	Rupees Six Thousand Four Hundred Eleven Only	Each	12822			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
378	1.00	Supplying, erecting, testing and commissioning of diesel generating set with alternator of 250 kVA output continuous rating, 3 phase, 415 V, 50 Hz, 0.8 p.f., A.C. supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %, with performance class G2/G3 and maximum fuel consumption 42.30 ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads, with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA sheet, sound absorbing material to restrict sound level up to 75 dB at 1.0 m, provided with first filling of oil, diesel not less than 425 ltr etc., on provided M20 grade CC foundation and obtaining necessary approval from Electrical Inspector as per specification no. GEN-DG CSR 11-1-18	1847424	0	Rupees Eighteen Lakh FourtySeven Thousand Four Hundred TwentyFour Only	Nos.	1847424			0

379	1.00	Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for Diesel generating set above 200 kVA upto 250 kVA capacity 3 phase, 415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF. CSR 11-2-15	217080	0	Rupees Two Lakh Seventeen Thousand Eighty Only	Nos.	217080			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
380	2.00	Supplying, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories of GI materials & recording the results as per specification no. EA-EP - DG Body Earthing CSR 9-1-4	1537	0	Rupees One Thousand Five Hundred ThirtySeven Only	Nos.	3074			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
381	2.00	Supplying, installing and testing earthing with copper earth plate size 60 x 60 x 0.315 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover with minimum 25 kg Carbon based environment friendly back fill ground enhancing compound complete with all accessories of copper materials & recording the results as per specification no EA-EP/EF- DG Neutral Earthing CSR 9-1-6	15816	0	Rupees Fifteen Thousand Eight Hundred Sixteen Only	Nos.	31632			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FIRE ALARM ACCESSORIES (FF-FAAS) (Addressable)								
382	50.00	Supplying, installing, testing and commissioning remote response indicators suitable to operate on 5 - 28 V dc supply having FR Polymer ABS Housing complete as per specification no. FF-FAAS/RR1 CSR 13-9-8	210	0	Rupees Two Hundred Ten Only	Each	10500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
383	1000.00	Supplying, installing, testing and commissioning FR, XLPE armoured cable 2 core 1.5 sq.mm. copper conductor complete erected on wall/ ceiling complete as per specification no. CB-LT/CU CSR 13-9-9	112	0	Rupees One Hundred Twelve Only	m	112000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

384	1.00	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 Batterie 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 no FF-AFAS/CP. CSR 13-10-2	172095	0	Rupees One Lakh SeventyTwo Thousand NinetyFive Only	Each	172095			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
385	170.00	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_Reff2020_EN 54 /VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition. FFAFAS/ SD. CSR 13-10-5	2380	0	Rupees Two Thousand Three Hundred Eighty Only	NOS	404600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
386	15.00	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 - 1988mreaffirmed 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	2714	0	Rupees Two Thousand Seven Hundred Fourteen Only	NOS	40710			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

387	10.00	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	3779	0	Rupees Three Thousand Seven Hundred SeventyNine Only	NOS	37790			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
388	6.00	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	3730	0	Rupees Three Thousand Seven Hundred Thirty Only	NOS	22380			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
389	10.00	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/ISM CSR 13-10-12	3055	0	Rupees Three Thousand FiftyFive Only	NOS	30550			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
390	10.00	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	3579	0	Rupees Three Thousand Five Hundred SeventyNine Only	NOS	35790			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

391	10.00	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	7837	0	Rupees Seven Thousand Eight Hundred ThirtySeven Only	NOS	78370			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
392	RO	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-Provisional CSR 13-10-16	74506	0	Rupees SeventyFour Thousand Five Hundred Six Only	NOS	-			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		LIFTS								
393	2.00	SITC of Electric Traction Passenger Lift with · Rated capacity :- 14 Passenger/952Kg · Floors :- G+7 floor (8Stops/8 Landings) · Travel :- 21 to 29.4 mtrs · Location of Lift Machine:- MR · Rated speed :- 1.5mps VS · Car/Landing door clear opening of 900 mm wide x 2000mm · Clear Car size of mm wide x mm deep x 2250mm high · Lift shaft available having clear size of mm wide x mm deep, ...mm Pit depth, ...mm Overhead. CSR 17-1-16	2639332	0	Rupees TwentySix Lakh ThirtyNine Thousand Three Hundred ThirtyTwo Only	JOB	5278664			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		Doors type :- COPO/TOPO Doors with frame made from SS 304 grade solid(non-claded) sheet of 1.5mm thick in hairline finish for car and all landing doors with SS door architraves/frames. The lift doors shall have minimum 1 hour fire rating (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory) · Lift car enclosure made from SS 304 grade solid(non-claded) sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with LED lights having light intensity of at least 100 lux in car, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. The lift car interior design shall be done as per the directions of engineer in charge. · COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with / without attendant key switch, OWD with audiovisual alarm, VAS in Marathi, Hindi & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor								
--	--	--	--	--	--	--	--	--	--	--

		LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings · Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, The Controller shall have necessary Protections such as overcurrent, overvoltage, over speed, overheat for all devices including lift motor and travel direction protection, protection for phase loss at input or output, Ascending Car Overspeed Protection etc. various operation modes such as maintenance, change direction by attendant, full load bypass, VIP call operation, self leveling operation, call cancel facility, auto return to home landing, fireman evacuation operation, door open/close operation from COP etc. The system can record information for minimum 30 latest faults, with Real-time clock management and Handheld keypad with LCD screen for view and setting of parameters, The control panel duly wired with proper size & strength, copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class								
--	--	--	--	--	--	--	--	--	--	--

		· ARD complete with necessary SMF VRLA batteries shall be such that minimum three consecutive rescue operations can be performed without recharging for the maximum travel distance between two consecutive served stops. ARD have a suitable audio alarm with visual indication or voice annunciation in the lift car or lift controller to indicate “Low battery”. · Fireman controller having fireman switch at fire Landing. · CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 90 days with 20” FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge. · Lift Machine of Gearless PMSM of suitable kW with duty cycle of minimum 120 starts/hr (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory), with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength								
		· Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work · Minor civil work such as alteration work if any necessary for erection of landing door frames and it's accessories e.g. sill, header, hole pass etc complete with plaster finish, civil work for erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails, providing and fixing steel girders/RCC work having adequate strength for mounting and hoisting lift machine etc. complete as per specification no. LFT. General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge. · The above rate includes Fully Comprehensive AMC for one year from the date of commissioning								

394	2.00	For Lift having 800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade solid(non-claded) landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows indicators, extension of guide rails, shaft wiring with trunking, traveling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete A1-2	143479	0	Rupees One Lakh FourtyThree Thousand Four Hundred SeventyNine Only	Floor	286958			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
395	2.00	For Full Collective control system, add as below. For Lift travelling above First floor & up to Sixth floor B	27532	0	Rupees TwentySeven Thousand Five Hundred ThirtyTwo Only	Each	55064			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
396	4.00	Supplying, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories of GI materials & recording the results as per specification no. EA-EP -lift CSR 9-1-4	1537	0	Rupees One Thousand Five Hundred ThirtySeven Only	Nos.	6148			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
397	2.00	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	1503	0	Rupees One Thousand Five Hundred Three Only	Nos.	3006			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
398	2.00	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	408	0	Rupees Four Hundred Eight Only	Each	816			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
399	2.00	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. -LIFT CSR 5-6-6	3092	0	Rupees Three Thousand NinetyTwo Only	Each	6184			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

400	80.00	Supplying, erecting & terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 25 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(FRLS-XLPE insulation instead of FR-XLPE insulated armoured cable) CSR 7-2-35	1412	7	Rupees One Thousand Four Hundred Twelve Paise Seventy Only	RM	113016			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		CCTV			0					
401	5.00	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	4641	0	Rupees Four Thousand Six Hundred FourtyOne Only	NOS	23205			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
402	2500.00	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 (Camera Points) CSR 19-3-1	57	0	Rupees FiftySeven Only	RM	142500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
403	10.00	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	302	0	Rupees Three Hundred Two Only	RM	3020			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
404	2.00	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	243	0	Rupees Two Hundred FourtyThree Only	NOS	486			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
405	1.00	Supplying, fixing, and configuring 48 ports managed gigabit switch 10/100/1000 Mbps + 4SFP+ ports & 2X10G RJ-45 ports compliant with IEEE 802.3 af/at standards & supports OSPF/policy based routing/stacking erected in provided rack complete CSR 19-4-18	73461	0	Rupees SeventyThree Thousand Four Hundred SixtyOne Only	NOS	73461			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

406	2.00	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	11017	0	Rupees Eleven Thousand Seventeen Only	NOS	22034			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
407	1.00	Supplying and fixing 24 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 (provisional) CSR 19-5-8	5691	0	Rupees Five Thousand Six Hundred NinetyOne Only	NOS	5691			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
408	1.00	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	815	0	Rupees Eight Hundred Fifteen Only	NOS	815			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
409	3.00	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	5270	0	Rupees Five Thousand Two Hundred Seventy Only	NOS	15810			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
410	2.00	Supplying and fixing 9U wall mount rack (Dimension-DxWxH – 500x550x480 mm) as per specification no. WG-NAS/RAK CSR 19-5-19	9615	0	Rupees Nine Thousand Six Hundred Fifteen Only	NOS	19230			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
411	1.00	Supplying and fixing 15U wall mount rack (Dimension-DxWxH – 500x550x747 mm) as per specification no. WG-NAS/RAK CSR 19-5-21	12853	0	Rupees Twelve Thousand Eight Hundred FiftyThree Only	NOS	12853			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

412	10.00	Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with features as mentioned 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	7917	0	Rupees Seven Thousand Nine Hundred Seventeen Only	NOS	79170			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		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.								

		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.								
413	70.00	Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features as mentioned 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	7854		Rupees Seven Thousand Eight Hundred FiftyFour Only	NOS	549780			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		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.								As per Instruction given by Executive Engineer/ Site Engineer during execution of work
--	--	---	--	--	--	--	--	--	--	--

		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.								
414	3.00	Supplying, installing, testing & commissioning of 32/40 Ch Network Video Recorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI1/VGA1 outputs, provided Atleast one HDMI output of 4K resolution, atleast one VGA output with output up to 1920x1080, Support H.265 or higher, H.264, MJPEG, Supports Redundant Dual Power, Incoming Bandwidth 320 Mbps with minimum 8 SATA ports, ANR Technology, CSR 19-6-16	60689	0	Rupees Sixty Thousand Six Hundred EightyNine Only	NOS	182067			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
415	8.00	Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, 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-15 days storage calculation CSR 19-6-21			Rupees TwentyThree Thousand Seven Hundred TwentyTwo Only	NOS	189776			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

416	1.00	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	24069		Rupees TwentyFour Thousand SixtyNine Only	NOS	24069			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		PUBLIC ADDRESS SYSTEM								
417	10.00	Supplying Installing, testing and commissioning of PA Gooseneck Microphone with Base and frequency response 50-16000Hz, 150Ω to 200Ω impedance,sensitivity 3 to 5.5mV/PA with minimum length(excluding pedestal) of 585mm(23") long, felxible stem gooseneck condenser microphone & Heavy Duty Metal Base having on/off switch, LED indication and Suitable for 48V phantom supply as per specification no. PA-GM CSR 19-7-6	4687	0	Rupees Four Thousand Six Hundred EightySeven Only	NOS	46870			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
418	385.00	Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no.1.2.3 CSR 1-1-1	214	0	Rupees Two Hundred Fourteen Only	RM	82390			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

419	3.00	Supplying, erecting, testing & commissioning Mixer Amplifier 250W RMS Power with Built-in Digital Player, MP3 Player with USB/ SD/ MMC Card Reader, Bluetooth with remote and having min 6 Mic & 2 Aux Inputs with Box Speaker/Driver Unit selector switch. Frequency response 50-15,000Hz ±3dB. 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 4Ω, 8Ω/(Low Impedence) and 70V & 100V/(High Impedence) & It can instant transfer to DC power if AC power fails. Signal to noise ratio between 60dB to 65dB complete as per specification no. PA-MA CSR 19-7-11	20117	0	Rupees Twenty Thousand One Hundred Seventeen Only	NOS	60351			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
420	104.00	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	2334	0	Rupees Two Thousand Three Hundred ThirtyFour Only	NOS	242736			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
421	1750.00	Supplying, erecting, testing and commissioning of multistrand annealed bare copper conductor, transparent PVC insulated 2C x 1.5 sqmm speaker wire in provided trunking/conduit etc.complete as per specification no. PA-TSPWR CSR 19-7-26	57	0	Rupees FiftySeven Only	RM	99750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		MISCELLANEOUS			0					
422	2.00	Providing pair of duly tested rubber hand gloves as per IS :47705 suitable for working upto 22 kV supply complete. CSR 10-5-23	693	0	Rupees Six Hundred NinetyThree Only	Each	1386			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

423	10.00	Supplying and fixing PVC synthetic elastomer electrically insulating mat with class A insulation conforming to IS: 15652– 2006 having 2 mm thickness upto 3.3 kV CSR 10-5-25	2972	0	Rupees Two Thousand Nine Hundred SeventyTwo Only	Sq. m.	29720			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
424	2.00	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	1495	0	Rupees One Thousand Four Hundred NinetyFive Only	Each	2990			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
425	2.00	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	84375	0	Rupees EightyFour Thousand Three Hundred SeventyFive Only	NOS.	168750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
426	2.00	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	77265	0	Rupees SeventySeven Thousand Two Hundred SixtyFive Only	NOS.	154530			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
427	2.00	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	739800	0	Rupees Seven Lakh ThirtyNine Thousand Eight Hundred Only	NOS.	1479600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FIRE FIGHTING PIPE								

428		Supplying and erecting G.I. pipe 'C' class ERW with necessary fittings duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete as per specification no. FF-PP								
1	30.00	a)200mm dia CSR 13-6-10	3631	0	Rupees Three Thousand Six Hundred ThirtyOne Only	Rmt.	108930			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
2	300.00	b)150mm dia CSR 13-6-9	2463	0	Rupees Two Thousand Four Hundred SixtyThree Only	Rmt.	738900			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
3	50.00	c)100mm dia CSR 13-6-8	1640	0	Rupees One Thousand Six Hundred Fourty Only	Rmt.	82000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
4	100.00	d)80mm dia CSR 13-6-7	1164	0	Rupees One Thousand One Hundred SixtyFour Only	Rmt.	116400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
5	200.00	b)65mm dia CSR 13-6-6	916	0	Rupees Nine Hundred Sixteen Only	Rmt.	183200			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
6	150.00	c)50mm dia CSR 13-6-5	719	0	Rupees Seven Hundred Nineteen Only	Rmt.	107850			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

7	110.00	d)40mm dia CSR 13-6-4	473	0	Rupees Four Hundred SeventyThree Only	Rmt.	52030			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
8	140.00	c)32mm dia CSR 13-6-3	426	0	Rupees Four Hundred TwentySix Only	Rmt.	59640			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
9	675.00	d)25mm dia CSR 13-6-2	363	0	Rupees Three Hundred SixtyThree Only	Rmt.	245025			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
B		FIRE HYDRANT SYSTEM								
429	9.00	Supplying and erecting gun metal single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-35	8030	0	Rupees Eight Thousand Thirty Only	NOS.	72270			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
430	9.00	Supplying and installing wall mounting swinging hose reel drum fitted with 19 mm dia. 30m long high pressure polypropylene (Polyhose) along with necessary accessories complete as per specification no. FF-FFA/HV CSR 13-8-2	7023	0	Rupees Seven Thousand TwentyThree Only	NOS.	63207			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
431	18.00	Supplying and erecting 63 mm dia, reinforced rubber lined (R.R.L.) hose pipe, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR-13-8-4	5491	0	Rupees Five Thousand Four Hundred NinetyOne Only	NOS.	98838			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
432	9.00	Supplying and erecting gun metal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specificationno.FF FFA/NZ CSR 13-8-7	2023	0	Rupees Two Thousand TwentyThree Only	NOS.	18207			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

433	4.00	Supplying and erecting brass orifice plate having 6 mm. thickness, 160 mm outer dia with required diameter of inner hole at every double outlet hydrant valve as per specification no. FF-FFA/OP CSR 13-8-17	1075	0	Rupees One Thousand SeventyFive Only	NOS.	4300			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
434	9.00	Supplying and erecting M.S./CRCA cabinet for housing Floor Hydrant valve, hose pipe, hose reel and branch pipe (size 1000 x 736 x 736 mm.) made from 16 SWG sheet and angle iron 25 x 25 x 4 mm. having front doors with viewing glass (8"x6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) CSR 13-8-20	16660	0	Rupees Sixteen Thousand Six Hundred Sixty Only	NOS.	149940			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
435	4.00	Supplying and erecting 20/25 mm 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	884	0	Rupees Eight Hundred EightyFour Only	NOS.	3536			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
436	150.00	Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 100 mm ring main of fire fighting system. (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibreglass). CSR 13-6-11	262	0	Rupees Two Hundred SixtyTwo Only	Rmt.	39300			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
437	200.00	Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 150 mm ring main of fire fighting system. (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibre glass). CSR 13-6-12	364	0	Rupees Three Hundred SixtyFour Only	Rmt.	72800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		SPRINKLER SYSTEM								
438		Supplying and erecting Ball Valve complete with PN16 pressure rating, as per specification no. FF-VL/BV								

	14.00	a)50 mm dia CSR-13-7-41	3388	0	Rupees Three Thousand Three Hundred EightyEight Only	NOS.	47432			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	2.00	b)32 mm dia CSR-13-7-40	2433	0	Rupees Two Thousand Four Hundred ThirtyThree Only	NOS.	4866			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	5.00	C)25 mm dia CSR-13-7-39	1475	0	Rupees One Thousand Four Hundred SeventyFive Only	NOS.	7375			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
439		Supplying and erecting cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV								
1	3.00	200 mm dia CSR 13-7-22	10285	0	Rupees Ten Thousand Two Hundred EightyFive Only	NOS.	30855			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
2	8.00	150 mm dia CSR 13-7-21	6416	0	Rupees Six Thousand Four Hundred Sixteen Only	NOS.	51328			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
3	15.00	100 mm dia CSR 13-7-20	4317	0	Rupees Four Thousand Three Hundred Seventeen Only	NOS.	64755			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

4	10.00	80 mm dia CSR13-7-19	3222	0	Rupees Three Thousand Two Hundred TwentyTwo Only	NOS.	32220			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
5	10.00	65 mm dia CSR 13-7-18	2709	0	Rupees Two Thousand Seven Hundred Nine Only	NOS.	27090			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
6	1.00	50 mm dia CSR 13-7-17	2508	0	Rupees Two Thousand Five Hundred Eight Only	NOS.	2508			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
440	9.00	Supplying, erecting, testing and commissioning vane type water flow detector 100 mm dia. with 1) Visual switch activation 2) Rugged switch assembly 3) Heavy duty aluminium pipe saddles 4)Durable metal enclosure 5) Steel U bolts for secure mounting 6) Two SPDT (Single pole double track) synchronised switches 7) serviceable without draining pipes. as per specification no. FF SPR/WFD CSR-13-11-5	8755	0	Rupees Eight Thousand Seven Hundred FiftyFive Only	NOS.	78795			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
441	375.00	Supplying, erecting, testing and commissioning of Upright/ Pendent quartzoid bulb sprinkler, 15 mm (½") dia. NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR./UP CSR-13-11-1	448	0	Rupees Four Hundred FourtyEight Only	NOS.	168000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

442	200.00	Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1000 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-7	666	0	Rupees Six Hundred SixtySix Only	NOS.	133200			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
443	175.00	Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1200 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-8	705	0	Rupees Seven Hundred Five Only	NOS.	123375			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
444	1.00	Supplying and erecting, testing and commissioning of 100mm dia. installation control valve (Alarm Valve) of cast iron body, brass / bronze working parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gong bell to sound continuous alarm when the wet riser/sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box, ball valves, MS pipes of required size, flanges, orifice plate, gasket etc. complete as per specification no. FF-VL/ICV CSR 13-07-42	33560	0	Rupees ThirtyThree Thousand Five Hundred Sixty Only	NOS.	33560			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FIRE PUMP & EQUIPMENT			0					

445	2.00	Supplying, installation, testing and commissioning of main fire pump (MFP/ EP) suitable for water discharge of 1600 to 1800 LPM at 70 to 55 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 30kW or of suitable kW capacity for manual/automatic operation & consisting of following : (a) Horizontal type, single stage, centrifugal/split casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation on with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/EP CSR-13-1-2	176861	0	Rupees One Lakh SeventySix Thousand Eight Hundred SixtyOne Only	NOS.	353722			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	0.00	Head :-90 M								
	0.00	Flow:- 950 lpm								

446	1.00	Supplying, installation, testing and commissioning of main fire pump (MFP/DP) suitable for water discharge of 2280 to 2850 LPM at 90 to 60 m head driven by 76 HP or suitable HP capacity diesel engine at required working speed suitable for manual/automatic operation and consisting of following : (a) Horizontal type, single stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12/24 volts DC electric starting equipment with battery of required AH capacity with necessary charger suitable to work on 230v, 50Hz AC supply, diesel tank of minimum 150ltr capacity with first filling of diesel up to 100% level with necessary piping with valves up to engine , exhaust pipe extended upto 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications etc. as required. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with engine assembly and accessories duly painted	605498	0	Rupees Six Lakh Five Thousand Four Hundred NinetyEight Only	NOS.	605498			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	------	--	--------	---	---	------	--------	--	--	--

447	2.00	Supplying, installation, testing and commissioning of jockey fire pump (JP) suitable for water discharge of 180 to 240 LPM at 90 to 70 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 9.3 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR-13-2-2	97914	0	Rupees NinetySeven Thousand Nine Hundred Fourteen Only	NOS.	195828			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		Head :-90 M								
		Flow:- 950 lpm								

448	1.00	Supplying, installation, testing and commissioning of booster fire pump [BP] suitable for water discharge of 450 LPM at 35 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, single/multi stage, centrifugal casing pump of cast iron body & bronze/CI impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/BP CSR-13-3-1	45951	0	Rupees FourtyFive Thousand Nine Hundred FiftyOne Only	NOS.	45951			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
449	6.00	Supplying and erecting 100 mm dia. pressure gauge , 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. pad cock valve, erected with provided G.I. pipe, elbow etc. complete as per specification no. FF-FFA/PG CSR-13-8-14	810	0	Rupees Eight Hundred Ten Only	NOS.	4860			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
450	3.00	Supplying and erecting 150 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR-13-7-25	14147	0	Rupees Fourteen Thousand One Hundred FourtySeven Only	NOS.	42441			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
451	3.00	Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR-13-7-23	6439	0	Rupees Six Thousand Four Hundred ThirtyNine Only	NOS.	19317			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

452	3.00	Supplying and erecting 150 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR-13-7-7	11651	0	Rupees Eleven Thousand Six Hundred FiftyOne Only	NOS.	34953			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
453	3.00	Supplying and erecting 75/80 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR-13-7-5	4595	0	Rupees Four Thousand Five Hundred NinetyFive Only	NOS.	13785			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
454		Supplying and erecting cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV								
1	0.00	a)200 mm dia CSR 13-7-22	10285	0	Rupees Ten Thousand Two Hundred EightyFive Only	NOS.	0			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
2	6.00	b)150 mm dia CSR 13-7-21	6416	0	Rupees Six Thousand Four Hundred Sixteen Only	NOS.	38496			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
3	2.00	C)100 mm dia CSR 13-7-20	4317	0	Rupees Four Thousand Three Hundred Seventeen Only	NOS.	8634			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
4	2.00	d)80 mm dia CSR 13-7-19	3222	0	Rupees Three Thousand Two Hundred TwentyTwo Only	NOS.	6444			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

5	0.00	d)65 mm dia CSR 13-7-18	2709	0	Rupees Two Thousand Seven Hundred Nine Only	NOS.	0			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
6	3.00	d)50 mm dia CSR 13-7-17	2508	0	Rupees Two Thousand Five Hundred Eight Only	NOS.	7524			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
455	5	Supplying and erecting 12/15mm dia pressure switch with provided isolation valve, G.I. nipple, elbow, etc complete as per specification no. FF-FFA/PS CSR 13-8-15	1853	0	ousand Eight Hundred	NOS.	9265			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
456	36	S u p p l y i n g & erecting Carbon Dioxide (CO2) fire extinguisher of 4.5 kg. capacity cartridge type conform to IS 2878 /15683 complete erected with necessary clamp made from 50 x 6 mm. M. S. flat with nut & bolts routed in wall complete. CSR 13-14-1	9943	0	ousand Nine Hundred F	NOS.	357948			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		FIRE HYDRANT SYSTEM (EXTERNAL)								
457	1.00	Supplying and erecting M.S./CRCA cabinet for housing Fire Brigade / SIAMESE connections (size 1250 x 400 x 300 mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8" x 6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003 CSR 13-8-19	8624	0	Rupees Eight Thousand Six Hundred TwentyFour Only	NOS.	8624			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
458	4.00	Supplying and erecting gun metal single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-35	8030	0	Rupees Eight Thousand Thirty Only	NOS.	32120			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

459	8.00	Supplying and erecting 63 mm dia, reinforced rubber lined (R.R.L.) hose pipe, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR 13-8-4	5491	0	Rupees Five Thousand Four Hundred NinetyOne Only	NOS.	43928			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
460	4.00	Supplying and erecting gun metal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specification no. FF FFA/NZ CSR 13-8-7	2023	0	Rupees Two Thousand TwentyThree Only	NOS.	8092			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
461	1.00	Supplying and erecting 150 mm dia fire brigade header suitable for supplying water in fire tank complete as per specification no. FF-FA/FBC CSR 13-8-10	9937	0	Rupees Nine Thousand Nine Hundred ThirtySeven Only	NOS.	9937			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
462	1.00	Supplying and erecting fire brigade header (Siamese connection) of 150 mm dia, for supplying water in fire tank complete as per specification no. FF FA/FMC CSR 13-8-11	12169	0	Rupees Twelve Thousand One Hundred SixtyNine Only	NOS.	12169			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		ELECTRICAL PANEL (FIRE PUMP PANEL)								
463	100.00	Supplying, erecting & terminating PVC armoured cable 3 core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU (FS cables to be considered for fire pump set) CSR 7-2-17	478	0	Rupees Four Hundred SeventyEight Only	Rmt.	47800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
464	60.00	Supplying, erecting & terminating PVC armoured cable 3 core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU (FS cables to be considered for fire pump set) CSR 7-2-16	318	0	Rupees Three Hundred Eighteen Only	Rmt.	19080			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

465	60.00	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	761	0	Rupees Seven Hundred SixtyOne Only	Rmt.	45660			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
466	120.00	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	590	0	Rupees Five Hundred Ninety Only	Rmt.	70800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
467	1.00	Fire Pump Control Panel (FF-FCP) Supplying, erecting, testing & commissioning of fire pump control panel (FCP) of cubical construction, floor mounted type, fabricated from minimum 2 mm thick CRCA sheet, compartmentalised with hinged lockable doors, with enclosure protection class IP54, duly powder coated or painted with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003), cable alley, interconnection with suitable size solid copper busbar strip of adequate size for all power connections having switchgears and accessories, mountings and internal wiring with adequate size copper conductor cable, earth terminals, numbering etc. complete in all respect, suitable for satisfactory operation of main fire pump and jockey (pressurisation) pumps (1 working + 1 standby) with necessary accessories, wiring & cabling along with allied accessories with following incoming and outgoings, suitable for automatic & manual operation on 415V, 3 phase, 50Hz ac supply as per specifications the capacity of electric motor driven pump are as follows FF-MFP/ECP the features and switchgears are as specified in in the DSR (To refer Panel SLD for further details) CSR 13-5-1	183701	0	Rupees One Lakh EightyThree Thousand Seven Hundred One Only	No.	183701			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

468	1.00	For main electric motor driven fire hydrant system pump of 55 kW capacity & relevant capacity jockey pump add Rs.... CSR 13-5-1 (A-4)	69433	0	Rupees SixtyNine Thousand Four Hundred ThirtyThree Only	No.	69433			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
469	1.00	For main electric motor driven fire sprinkler system pump of 55kW capacity (1Working) & relevant capacity jockey pumps (1working) add Rs.... CSR 13-5-1 (B-5)	239808	0	Rupees Two Lakh ThirtyNine Thousand Eight Hundred Eight Only	No.	239808			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
470	1.00	For addition of standby main diesel engine driven fire pump (1standby) CSR 13-5-1 (D)	69162	0	Rupees SixtyNine Thousand One Hundred SixtyTwo Only	No.	69162			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
471	1.00	For addition of booster pump for fire hydrant/sprinkler for 11kW centrifugal type booster pump 1no(1working) , add Rs..... CSR 13-5-1 (E-2)	18872	0	Rupees Eighteen Thousand Eight Hundred SeventyTwo Only	No.	18872			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
472	60.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 1.5 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 for control cabling of pressure gauges and diesel engine. CSR 7-2-31	304	98	Rupees Three Hundred Four Paise NinetyEight Only	m	18298.8			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
473	120.00	Supplying and erecting PVC insulated PVC round sheathed FR 1.5 sq.mm (30 no. x 0.25mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 kV CSR 1-3-14	70	0	Rupees Seventy Only	m	8400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		HVAC								
		AC UNITS - ODU & IDU								

474	3.00	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	473202	0	Rupees Four Lakh SeventyThree Thousand Two Hundred Two Only	Nos.	1419606			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	------	--	--------	---	--	------	---------	--	--	---

475	2.00	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 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	455315	0	Rupees Four Lakh FiftyFive Thousand Three Hundred Fifteen Only	Nos.	910630			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	------	--	--------	---	--	------	--------	--	--	--

476	1.00	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	417935	0	Rupees Four Lakh Seventeen Thousand Nine Hundred ThirtyFive Only	Nos.	417935			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	------	---	--------	---	---	------	--------	--	--	---

477	3.00	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 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 3-11-4	321588	0	Rupees Three Lakh TwentyOne Thousand Five Hundred EightyEight Only	Nos.	964764			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	------	---	--------	---	---	------	--------	--	--	---

478	1.00	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 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 3-11-3	303287	0	Rupees Three Lakh Three Thousand Two Hundred EightySeven Only	Nos.	303287			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
479	10.00	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. (3.0 TR - 1183 CFM) CSR 3-11-22	39451	0	Rupees ThirtyNine Thousand Four Hundred FiftyOne Only	Nos.	394510			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

480	6.00	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 2.6TR (918 cfm) to 2.8TR (1100 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. (2.6 TR - 865 CFM) CSR 3-11-21	38847	0	Rupees ThirtyEight Thousand Eight Hundred FourtySeven Only	Nos.	233082			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
481	7.00	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. (2.0 TR - 830 CFM) CSR 3-11-20	38002	0	Rupees ThirtyEight Thousand Two Only	Nos.	266014			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

482	22.00	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. (1.5 TR - 724 CFM) CSR 3-11-19	37640	0	Rupees ThirtySeven Thousand Six Hundred Fourty Only	Nos.	828080			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
483	24.00	Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 2 way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 1.8TR (565 cfm) to 2.0TR (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. (2.0 TR - 614 CFM) CSR 3-11-28	64688	0	Rupees SixtyFour Thousand Six Hundred EightyEight Only	Nos.	1552512			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

484	1.00	Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.3TR (421 cfm) to 1.7TR (586 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3-core copper flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anticorrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge. (1.5 TR - 459 CFM) CSR 3-11-15	23254	0	Rupees TwentyThree Thousand Two Hundred FiftyFour Only	Nos.	23254			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
485	1.00	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	48544	0	Rupees FourtyEight Thousand Five Hundred FourtyFour Only	NOS.	48544			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		PIPING								
486	100.00	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	2662	0	Rupees Two Thousand Six Hundred SixtyTwo Only	m	266200			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

487	100.00	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	2487	0	Rupees Two Thousand Four Hundred EightySeven Only	m	248700			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
488	150.00	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	2435	0	Rupees Two Thousand Four Hundred ThirtyFive Only	m	365250			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
489	100.00	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	1634	0	Rupees One Thousand Six Hundred ThirtyFour Only	m	163400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

490	150.00	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	1272	0	Rupees One Thousand Two Hundred SeventyTwo Only	m	190800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
491	250.00	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. CSR 3-11-94	1119	0	Rupees One Thousand One Hundred Nineteen Only	m	279750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
492	300.00	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	831	0	Rupees Eight Hundred ThirtyOne Only	m	249300			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

493	250.00	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	700		Rupees Seven Hundred Only	m	175000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
494	300.00	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	544	0	Rupees Five Hundred FourtyFour Only	m	163200			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
495	85.00	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	6144	0	Rupees Six Thousand One Hundred FourtyFour Only	Nos.	522240			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
496	10.00	Providing and fixing on walls/ ceiling/ floor 50mm dia.CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	778	5	Rupees Seven Hundred SeventyEight Paise Five Only	RMT	7780.5			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during

497	50.00	Providing and fixing on walls /ceiling/ floor 40mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessar yand conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59	565	95	Rupees Five Hundred SixtyFive Paise NinetyFive Only	RMT	28297.5			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during
498	100	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	452	55	Rupees Four Hundred FiftyTwo Paise FiftyFive Only	RMT	45255			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
499	150	Providing and fixing on walls/ ceiling/ floor 25mm dia.CPVC pip ewith 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	393	75	Rupees Three Hundred NinetyThree Paise SeventyFive Only	RMT	59062.5			BD.V 5 page 551 As per Instruction given by Executive Engineer/ Site Engineer during execution of work
500	1700	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-6	590	0	es Five Hundred Ninety	RMT	1003000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		AIR DISTRIBUTION								
501	800.00	Supplying, erecting, testing & commisioning 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/CR CSR 6-1-2	1482	0	Rupees One Thousand Four Hundred EightyTwo Only	SQM	1185600			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
502	12.00	Supply, fabrication, installation an testing of flexible canvass connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	2952	0	Rupees Two Thousand Nine Hundred FiftyTwo Only	NOS	35424			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

503	350.00	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. (underdeck insulation) CSR 3-11-83	1048	0	Rupees One Thousand FortyEight Only	SQM	366800			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
504	10.00	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	1191	0	Rupees One Thousand One Hundred NinetyOne Only	SQM	11910			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
505	60.00	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	1364	0	Rupees One Thousand Three Hundred SixtyFour Only	JOB	81840			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
506	9.00	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	6265	0	Rupees Six Thousand Two Hundred SixtyFive Only	NOS	56385			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
507	5.00	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	6948	0	Rupees Six Thousand Nine Hundred FortyEight Only	SQM	34740			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
508	6.00	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	5268	0	Rupees Five Thousand Two Hundred SixtyEight Only	NOS.	31608			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
509	4.00	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 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-61	15884	0	Rupees Fifteen Thousand Eight Hundred EightyFour Only	NOS.	63536			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

510	46.00	Supplying and erecting exhaust fan heavy duty 230 V, A.C. 50 cycles 375/380 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-14	3442	0	Rupees Three Thousand Four Hundred FourtyTwo Only	NOS.	158332			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
511	150.00	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	196	0	Rupees One Hundred NinetySix Only	Kg	29400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		Electrical Works								0
512	2600.00	Supplying and erecting PVC insulated PVC round sheathed FR 1.5 sq.mm (30 no. x 0.25mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 KV (Communication cable) CSR 1-3-14	70	0	Rupees Seventy Only	RMT	182000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
513	20.00	Supplying and erecting HMS PVC conduit 20mm dia.with PVC accessories on wall / ceiling as per specification no. WG-MA/CON. (provisional) CSR 1-2-3	84	0	Rupees EightyFour Only	RMT	1680			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
514	45.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel 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	867	0	Rupees Eight Hundred SixtySeven Only	RMT	39015			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

515	45.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (strip) 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	605	0	Rupees Six Hundred Five Only	RMT	27225			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
516	45.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (strip) 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	398	0	Rupees Three Hundred NinetyEight Only	RMT	17910			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
517	45.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (strip) cable 1100 V, 4 core 4sq. 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	299	0	Rupees Two Hundred NinetyNine Only	RMT	13455			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
518	15.00	Supplying, erecting & terminating FR XLPE insulated unarmoured cable 1100 V. 1 core 25 sq. mm. copper conductor complete erected with provided lugs, laid in provided control panel /distribution boards / pipe as per specification no. CB-LT/CU (for ODU Earthing)(provisional) CSR 7-2-1	354	0	Rupees Three Hundred FiftyFour Only	RMT	5310			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
519	2000.00	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	846	0	Rupees Eight Hundred FourtySix Only	RMT	1692000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
520	600.00	Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-6	590	0	Rupees Five Hundred Ninety Only	RMT	354000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

521	200.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 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 (for VRF IDU/Fans) CSR 7-2-14	175	0	Rupees One Hundred SeventyFive Only	RMT	35000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
522	10.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 4.0 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 (provisional) CSR 7-2-15	244	0	Rupees Two Hundred FourtyFour Only	RMT	2440			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
523	100.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 2 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 (for Earthing of ODU) CSR 7-2-9	197	0	Rupees One Hundred NinetySeven Only	RMT	19700			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
524	50.00	Supplying 6A 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-14	53	0	Rupees FiftyThree Only	NOS	2650			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
525	70.00	Supplying 16A 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-15	75	0	Rupees SeventyFive Only	NOS	5250			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
526	10.00	Supplying and erecting SS enclosure of 1.6mm thick with detachable gland plate suitable for upto 100A MCCB. (For ODU RCBO) CSR 5-11-17	988	0	Rupees Nine Hundred EightyEight Only	NOS	9880			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

527	1.00	Supplying, fixing and commissioning 4 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 indications per specification no SW-RCBO. (provisional qty) CSR 5-6-12	4062	0	Rupees Four Thousand SixtyTwo Only	NOS	4062			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
528	5.00	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	4212	0	Rupees Four Thousand Two Hundred Twelve Only	NOS	21060			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
529	5.00	Supplying, fixing and commissioning 4 pole RCBO 50/63A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 100 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO. CSR 5-6-14	4760	0	Rupees Four Thousand Seven Hundred Sixty Only	NOS	23,800.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		INTERIOR		0	0					
530	7.50	ITEM NO.530 Providing and laying hand made tile of various size and approved designs for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. Approved MR	9890	0	Rupees Nine Thousand Eight Hundred Ninety Only	SMT	74,175.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
531	241.60	ITEM NO.531 Providing and fixing frame work of galvanised iron (above 0.6m and upto 1m drop height) for suspended P.V.C. false ceiling as per specification provided by the Engineer in charge; fixing screws mechanically either with screw driver or drilling machine with suitable attachment etc. complete as per approved design and pattern. Approved MR	2450	0	Rupees Two Thousand Four Hundred Fifty Only	SMT	591,920.00			As per approved pattern & colour As per Instruction given by Executive Engineer/ Site Engineer during execution of work

532	15.60	ITEM NO.532 METAL BAFFLE CEILING : Providing & fixing of horizontal level suspended ceiling comprising of Vertical Linear Baffle Ceiling made out of Aluminum Extrusion in Aluminum alloy grade 6063 T5. The baffle blade shall be in size of 100x25x3600mm in powder coated to Woodgrain/Plain finish (Red Oak, Cherry, Black & White).. The baffle shall be electrostatically polyester powder coated to a coating thickness of 60-80 micron. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV –A Test for 1000hours as per ASTM G-154 – (Cycle – 1) and Humidity test for 1000hours as per DIN 50017. The powder coating shall have an adhesion of GT0 as per EN ISO 2409. The shade variation within a manufacturing batch shall be delta E<1 using Excite/BYK Gardner instrument and gloss level 25±5 at 60° as per ASTM D523 (Not applicable of Wood Grain Shade). The baffle blade shall be suspended using Slotted U- profile of 20 x 30 x 3700mm (Thk-1.5mm) having slots in module of 25mm to keep baffles at an on-center spacing in multiples of 25mm. Longer lengths of Baffle to be connected by Baffle Joiner and the ends to be fixed with End caps..SUSPENSION: Shall be hanged using baffle hanger from U-profile made of mild steel with powder coating thickness of 60-80 micron. SSR 52.35/468	13788	55	Rupees Thirteen Thousand Seven Hundred EightySeven Paise FiftyFive Only	SMT	215,085.78			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	-------	---	-------	----	--	-----	------------	--	--	---

		The U – profile to comprise of alternate square & rectangular slots of 6.5x6.5mm & 28x6.5mm respectively on the web for locking the baffle hanger using plugin clip to secure the hanger in perfect position and achieve uniform spacing between baffles. The overall dimension of the U – profile is 20(W) x 30(H) x 3750(L) mm and is rolled form from 1.5mm thick mild steel with a powder coating thickness of 60-80micron. U- Profile to be connected to each other using U –Profile Splice. The U- profile shall be hanged from the true ceiling using threaded rod using a U- Profile hanger. The Baffle along with suspension system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The supply shall be backed by a Manufacturing Test Certificate.								
		INSTALLATION: Installation of U-Grid: The U profile to be suspended at every 1200mm center to center using 6mm threaded rod from the structural soffit using U- profile hanger. U-profile splice to be used to join more than one U profiles of length 3.7M. 1st U-Grid Channel must be no more than 400mm from the perimeter. Installation of Baffles: Locate the slot for Baffle Hangers in U Profile section at 1200mm centers. Hangers are inserted into the slot, then rotated 90° and fixed into position by tightening the grub screw. Baffle to be lifted into position and hangers engage over lip of U-Grid Channel. Each Hanger to be secured into position by inserting the Locking Clip. When doing continuous installation, Baffles blades are to be connected at ends with Baffle Joiner, which are inserted into the top and bottom slots of the Baffle closed profile for alignment only. The bottom Joiner to be located first and fastened on one side only. The top Joiner to be fitted then and secured with grub screws on one side. Then the two Baffle sections shall be joined and the top Joiner is screw fastened on the 2nd Baffle profile. End Caps to be located by pushing the End Cap tongues into open Baffle slots. Installation should be carried out as per Manufacturer recommended procedure.								

533	10.00	ITEM NO.533 Providing and fixing frame work of anodised aluminium sections for suspended false ceiling consisting of aluminium T 50 mm x 40 mm weighing 0.39 Kilogram/m. at 60 cms c/c and fixed with (15 x 15 mm) flanges weighing 0.119 Kilogram/m suspended on 6 mm dia. mild steel rod weighing 0.22 Kilogram/m fixed on wall and beams including rounding of the edges with aluminium T of 50 mm x 40 mm weighing 0.39 Kilogram/m etc. including all labour etc. complete. SSR 38.14/234	1332	45	Rupees One Thousand Three Hundred ThirtyTwo Paise FourtyFive Only	SMT	13,324.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
534	4.00	ITEM NO.534 Providing and fixing in position cement sheet having thickness 12 mm in provided Frame/Brickwall/RCC Member as directed by Engineer in Charge and Drawings . item to be completed in all respect including finishing of joints cut outs, including labour, material, lifts etc. all complete RA SSR 66/528	914	0	Rupees Nine Hundred Fourteen Only	SMT	3,656.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

535	5.00	ITEM NO.535 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 EUCB 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.	6609	0	Rupees Six Thousand Six Hundred Nine Only	SMT	33,045.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work(All testing certificate are necessary)
		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								0.00

536	176.40	ITEM NO 536 Providing and Fixing Rollar Blinds AMI Make or approved make & shade of 38mm round Aluminium channel with Blackout 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 51.19/355	2260	6	Rupees Two Thousand Two Hundred FiftyNine Paise Sixty Only	SMT	398,593.44			light-filtering roller blinds/Blacout as per requirement As per Instruction given by Executive Engineer/ Site Engineer during
537	10.00	ITEM NO.537 Providing and Fixing Vertical Blinds of approved Make and shade of 100mm regular fabric with powder coated aluminium channel with telting PVC chain & bottom weight plate with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR 51.20/355	1076	25	Rupees One Thousand SeventySix Paise TwentyFive Only	SMT	10,762.50			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
538	40.32	ITEM NO.538 Providing & fixing Curtains as per drapery details. Including curtain rods & accessories. Spec. As directed by Engineer-In-Charge. Approved MR	1800	0	Rupees One Thousand Eight Hundred Only	SMT	72,576.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

539	3.60	ITEM NO. 539 ROLLER BLINDS - COLOUR BACKING Providing & fixing premium quality Roller blinds with prestress Solar protection fabric of high tenacity Polyester Yarn with PVC coating and fungi static treatment and should block the light flux & offer elimination of glare and sunlight /radiance etc. complete. Fabric shall have visible light & solar properties & greengaurd (gold) Indoor Air quality & children & school certified. Fabric composition - 39% Polyester / 61% PVC with alumium backing. Weight - 290 g/sq.m (+/- 5%) Thickness - 0.32 mm (+/- 5%) Fabric openness factor - 3% Tensile strength (warp / weft) - 160/170 daN/5cm Tearing Strength (warp/weft) - 11/13 daN Backing - Aluminium backing. Fungi static treatment - Degree 0 Excellent (EN ISO 846-A) Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84. MCGM - R3-CS-FUR-21	1641	0	Rupees One Thousand Six Hundred FourtyOne Only	SMT	5,907.60			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
540	274.54	ITEM NO 540 Providing and fixing Storage made of 18 mm thk plywood including shelves & Drawers 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 with all fittings & fixtures etc. Approved MR (Front elevational area to be measured, Depth of storage 0.6m) Spec. As directed by Engineer-In-Charge. Approved MR	18500	0	Rupees Eighteen Thousand Five Hundred Only	SMT	5,079,027.00			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work

541	5.00	ITEM NO.541 MEDIUM HEIGHT STORAGE Medium Height Steel Storage @ 750Lx450Dx1200HT Providing and fixing Openable Steel Storage of 750 x 450 x 1200Ht, with 2 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 2 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, enitre storage in powder coated finish with 60 to 80 microns. with 25 mm. thk. as per drawing. SSR 51.36	16224	6	Rupees Sixteen Thousand Two Hundred TwentyFour Paise Sixty Only	NOS	81,123.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
542	24.00	ITEM NO.542 FULL HEIGHT STORAGE Full Height Steel Storage @ 750Lx450Dx2100HT Providing and fixing Openable Steel Storage of 750 x 450 x 2100Ht, with 4 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 4 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, enitre storage in powder coated finish with 60 to 80 microns as as per drawing. SSR 51.37	19871	25	Rupees Nineteen Thousand Eight Hundred SeventyOne Paise TwentyFive Only	NOS	476,910.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
543	3.00	ITEM NO 543 LOCKERS Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht. Providing and fixing Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht. with 12 Compartments , Complete body & shutter made of CRCA Sheet with powder coated finish as per approved color. SSR 51.38	45598	35	Rupees FourtyFive Thousand Five Hundred NinetyEight Paise ThirtyFive Only	NOS	136,795.05			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

544	8.00	ITEM NO. 544 Providing and fixing on site VENEER FINISH WALL PANELING made by using approved quality seasoned T.W. framing of 38 x 25 mm at approximately 600 x 450 mm center to center or as per site conditions and covered by 12 mm thick marine ply generally conforming to I.S.303 /I.S.710-1980 finished with 3 mm thick group match veneer of approved quality with groove pattern including all necessary end mouldings, moulding pattern, and melamine polish. Antitermite treatment to plywood and woodwork etc.including all leads & lifts complete as per Architects detailed drg. & design and as instructed by The Engineer In Charge (Basic Veneer Rate Rs.75/-per sft) MCGM/ R3-CS-WW-41	5346	0	Rupees Five Thousand Three Hundred FortySix Only	SMT	42,768.00			Including fevicol, nails other accessories etc. required for fixing As per Instruction given by Executive Engineer/ Site Engineer during execution of work
545	1.20	ITEM NO 545 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge.	26830	0	Rupees TwentySix Thousand Eight Hundred Thirty Only	SMT	32,196.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
546	20.00	ITEM NO.546 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.	7800	0	Rupees Seven Thousand Eight Hundred Only	SMT	156,000.00			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work
547	178.75	ITEM NO 547 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.	9800	0	Rupees Nine Thousand Eight Hundred Only	SMT	1,751,769.60			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work

548	354.79	ITEM NO.548 Providing & Fixing in position, Acoustical Panelling made from Fabric wrapped Compressed polyester fibre nonwoven 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 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 51.01/352	4819	5	Rupees Four Thousand Eight Hundred Nineteen Paise Fifty Only	SMT	1,709,910.41			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
549	178.00	ITEM NO. 549 PRIVIDING AND FIXING MODULAR ACOUCTICAL WOODEN WALL PANELLING : Of nominal width 100 / 150mm, having 80mm wide panel with 20mm reveal having a thickness of 15mm thickness and length 2400 mm. The panel shall be made of a Moisture resistant fibre board substrate having a minimum density of 595 Kg/m3 with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut) and a melamine balancing layer on the reverse side. The panel shall have 0.7mm PVC edge banding along the length side with a similar finish as that of the face. The back of the panel shall have a black acoustic felt to cover the reveal of 20mm to attain an NRC of 0.4 for 150mm. / 0.5 for 100mm. module (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423. The panels shall provide a Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mm. The back of the panels shall be profile-grooved to receive 3600mm special main beam carrier with integrated factory fitted clips for installation. SUSPENSION: The panels shall be upward mounted on 24 mm wide T - section flanges having rotary stitching along the length of the beam with a web height of 43mm. SSR 53.41	11428	2	Rupees Eleven Thousand Four Hundred TwentyEight Paise Twenty Only	SMT	2,034,219.60			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

550	45.00	ITEM NO 550 Providing and applying Wallpaper premium Qulaity Approved MR Spec. As directed by Engineer-In-Charge.	1650	0	Rupees One Thousand Six Hundred Fifty Only	SMT	74,250.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
551	100.00	ITEM NO 551 Providing and supplying Banquet chairs with cushion of approved color. Complete as per Drawing and specification provided by engineer incharge Approved MR	3000	0	Rupees Three Thousand Only	NOS	300,000.00			Material, color, quality as per Drawing/reference provided
552	210.00	ITEM NO.552 MID BACK CHAIR Providing and supplying center pivot, revolving, Mid back chair Depth- 45cm, width-50cm, height- 105cm to 115cm & seat height- 45cm to 55cm. (+/- 2cm) with five legged metal / moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-30	12500	0	Rupees Twelve Thousand Five Hundred Only	NOS	2,625,000.00			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work

553	24.00	ITEM NO 553 HIGH BACK CHAIR Providing and supplying center pivot, revolving, High back chair Depth-45cm, width-50cm, height- 121cm to 131cm & seat height 45cm to 55cm. (+/- 2cm) with five legged metal /moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-29	15500	0	Rupees Fifteen Thousand Five Hundred Only	NOS	372,000.00			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work
554	2.00	ITEM NO. 554 Providing & Arrangemnt of High Back Chair - TILT MECHANISM WITH MULTILOCKING, HIGH DENSITY CUSHION ON SEAT COMPOSITE LEATHER WITH METALLIC SILVER FINISH BASE AND ARMS WITH P.U.CASTORS GASLIFT FOR HEIGHT ADJUSTMENT. SSR 51.41	16247	7	Rupees Sixteen Thousand Two Hundred FourtySeven Paise Seventy Only	NOS	32,495.40			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/
555	8.00	ITEM NO.555 Providing & Arrangemnt of Mid Back, ECO CTS Mechanism , Fixed Armrest , Gaslift for Seat height adjustment, Standard 5-prong P/Nylon Base with Fabric Upholstery SSR 51.43	6846	0	Rupees Six Thousand Eight Hundred FourtySix Only	NOS	54,768.00			Material, color, quality as per Drawing/reference provided

556	24.00	ITEM NO 556 VISITOR CHAIR Providing and supplying visitor chair having size Depth- 62cm, width-55cm, height-80cm & seat height 45 cm. (+/- 2cm), having seat & back, shall be made up of 1.2 cm hot pressed plywood, approved tapestry upto Rs.300/m and mould polyurethane foam with P.V.C. lipping all around etc. complete. The chair shall be provided with two one piece armrest made of polypropylene. The chair shall be supported by cantilever type powder coated tubular frame dia 2.54cm x 14 B G M.S.E.R.W. tube. All aluminium steel component shall have Epoxy Polyster Powder Coated. The chair shall be Ergonimc Dry film thickness shall be more than 45 Micron. And as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MDGM - R3-CS-FUR-32	9500	0	Rupees Nine Thousand Five Hundred Only	NOS	228,000.00			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/ Site Engineer during execution of work
557	2.00	ITEM NO 557 Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish. SSR 51.44	18958	8	Rupees Eighteen Thousand Nine Hundred FiftyEight Paise Eighty Only	NOS	37,917.60			Material, color, quality as per Drawing/reference provided As per Instruction given
558	44.10	ITEM NO 558 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:-37.15	3331	65	Rupees Three Thousand Three Hundred ThirtyOne Paise SixtyFive Only	SMT	146,925.77			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

559	36.00	ITEM NO 559 Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm Teakwood planks 100 x 800 having tongue & grove on Sal-wood frame of 50 x 100 at 600mm c to c on stage surface including cost of required Cut-Outs, decorative mouldings / finishing-items / polish etc., as per Architectural & Acoustical Design & Instructions & Complete in all aspects. .including all materials labour,finishing etc complete SSR 51.06/353	8625	75	Rupees Eight Thousand Six Hundred TwentyFive Paise SeventyFive Only	SMT	310,527.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
560	1.00	ITEM NO 560 RECEPTION TABLE Providing and Supplying Reception table of overall size 1650 X 750 X 750 mm made out of 19 mm thick Marine ply (IS 710 : 2010) top Sides and apron having Top and bottom horizontal patta. The table shall be externally and internally finished with 4mm thick group match veneer pattern with grooves including necessary lipping moudling and hardware.5 mm thick toughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc. complete. Antitermite treatement to marine ply and all wooden accessories on both sides for full faces before the joineries melamine polish on french polish base coat, hardware as per drawings. etc. all complete as per Architects Drawing. MCGM R3-CS-FUR-23	40512	0	Rupees Fourty Thousand Five Hundred Twelve Only	NOS	40,512.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
561	10.00	ITEM NO. 561 Providing & fixing MDF Decorative moulding of size 38 x12mm Approved MR	97	0	Rupees NinetySeven Only	RMT	970.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
562	10.00	ITEM NO. 562 Providing & fixing MDF Decorative moulding of size 38 x20mm Approved MR	108	0	Rupees One Hundred Eight Only	RMT	1,080.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

563		ITEM NO 563 LOUNGE SOFA Providing and Placing Lounge Chair are made of steel pipe 30 to 35 mm dia of 16 swg. Frame chrome plated, seat & back made of high density foam covered with tapestry approved by E-I- Charge. (Basic rate Rs. 300/- metre.)and having steel arms at the side, available in the following option etc. complete. MCGM R3-CS-FUR-16								As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	1.00	3 seater MCGM R3-CS-FUR-16-c	15876	0	Rupees Fifteen Thousand Eight Hundred SeventySix Only	NOS	15,876.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
564	1.00	ITEM NO.564 Providing and fixing Sofa-3 seater with upholstery (office) Approved MR Spec. As directed by Engineer-In-Charge.	62500	0	Rupees SixtyTwo Thousand Five Hundred Only	NOS	62,500.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
565	1.00	ITEM NO.565 Providing and fixing Sofa-2 seater with upholstery . Approved MR Spec. As directed by Engineer-In-Charge.	32500	0	Rupees ThirtyTwo Thousand Five Hundred Only	NOS	32,500.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
566	1.00	ITEM NO.566 Providing and fixing Sofa-1 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge.	18500	0	Rupees Eighteen Thousand Five Hundred Only	NOS	18,500.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
567	6.00	ITEM NO.567 Providing and fixing Full Height Wooden Partitions- Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughned glass, nesesary 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.	16500	0	Rupees Sixteen Thousand Five Hundred Only	SMT	99,000.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

568	4.00	ITEM NO 568 DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE 1 Supply and instalaaation of Demountable Modular Aluminium Frame Glass Partition, Singlre glazed system compromising of 10mm Toughnend Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. Finishes exposed aluminium sections are anodized aluminium finish with 6463 T6 Grade. The Quantity for this item will be the glass panel of height 2100MM only. MCGM R3-CS-FUR-33	8250	0	Rupees Eight Thousand Two Hundred Fifty Only	SMT	33,000.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
569	6.00	ITEM NO.569 Providing & fixing FULL HEIGHT BOTH SIDE LAMINATED PARTITION at required location having height more than 2.8 meter & minimum 77 mm thick made by using 50 x 50 mm (finished size) approved quality seasoned TW section framing at 600 mm center to center,covered with 12 mm marine ply generally confirming to I.S.303 / I.S.710-1980 on both sides.The partitions shall be finished with 1.5 mm thk.approved quality laminate matt/suede/fine line finished lamination pattern with grooves on both sides with necessary lipping (BTC) moulding. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. MCGM R3-CS-RM-125	7270	0	Rupees Seven Thousand Two Hundred Seventy Only	SMT	43,620.00			Full height/half height As per Instruction given by Executive Engineer/ Site Engineer during execution of work
570	27.78	ITEM NO.570 Providing and fixing Partly glazed Sliding folding Partition wooden partition with veneer and melamine polish including mechanism Approved MR	18600	0	Rupees Eighteen Thousand Six Hundred Only	SMT	516,708.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

571	4.80	ITEM NO.571 Full Height Partitions in Glass finish - Providing and Fixing 80mm to 85mm thick Full height Double Skin partition up to 3 mtr height with All visible sections in Anodized / Powdercoated finish. Made up of Frames and Tiles. Frame construction In combinaton of Aluminium Rails and Bottom ,Center and Top members, Connected with 2 way Round Shape Post , 3way Post , 4 way Post made up of Aluminium Extruded and Tiles in 5mm thk. Non Toughened Glass on both side. With all the Joints in the partitions covered with PVC extrusions to provide better sound Proofing. Tiles to be separated 55mm from each other to provide adequate space for drawing cables for electric, data and telephone with proper facility for fixing electrical and data switch plates. as per design and drawing. SSR 52.5/447	8289	0	Rupees Eight Thousand Two Hundred EightyEight Paise Seventy Only	SMT	39,785.76			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
572	7.20	ITEM NO.572 Providing and fixing double/single leaf shutter(upto 50mm) for partly paneled partly glazed door without ventilator adopting sections and sizes as given in the standard specifications or as per detailed drawing, including fixtures / and fastenings and finishing the wood work with vaneer etc. complete. (Without frame) Approved MR	16500	0	Rupees Sixteen Thousand Five Hundred Only	SMT	118,800.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
573	2.00	ITEM NO.573 DRESSING TABLE @400LX 400DX 1800H Providing & Fixing Dressing Table of size 400LX 400DX 1800H.The Dressing table unit is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The unit has one drawer and one shelf. The dressing table has a mirror of 4mm thick pasted on 18mm thick prelm particle board attached to the base unit. The mirror size considered is 1155 x 360 x 4(t). The mirror has been pasted using high quality 3M sticker. SSR - 51.56	18219	0	Rupees Eighteen Thousand Two Hundred Nineteen Paise Sixty Only	NOS	36,439.20			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

574	1.44	ITEM NO.574 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.	18500	0	Rupees Eighteen Thousand Five Hundred Only	SMT	26,640.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
575	4.00	ITEM NO.575 WARDROBE WITH MIRROR @ 900LX 600DX 1965H Providing and Fixing Wardrobe with Mirror of size 900LX 600DX 1965H The wardrobe side panels and doors are made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The shelves are made of 18mm thick Prelam Particle Board with decorative laminate on both sides. The top is made of 36mm prelam particle board with decorative laminate on both sides. (18mm Prelam Particle board and 18mm batons on all sides to achieve 36mm overall thickness). The exposed edges of the top are sealed with 2mm thick PVC edge Banding. The top most part of the wardrobe has an aluminum hanger rod of EBCO make. One drawer of size 400(W) x 150(H) x 450 (D) made of 18mm thick prelam Particle Board has been considered. The drawer will have a multipurpose lock of EBCO premium make. The wardrobe handles are Satin SS finish of 160mm pitch. The wardrobe has a multipurpose lock of EBCO make. All hinges considered are Hettich make. Necessary good quality hardwares have been considered as required. SSR NO - 51.57	42408	45	Rupees FourtyTwo Thousand Four Hundred Eight Paise FourtyFive Only	NOS	169,633.80			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

576	6.00	ITEM NO.576 DINING CHAIR Providing and fixing SS (IS 6911:1992) grade of steel 304 Dinning chairs for dining Hall and dining Room area as per the drawing or approved size and shape including all lead lift shifting to work location etc. complete. MCGM R3-CS-FUR-25	8597	0	Rupees Eight Thousand Five Hundred NinetySeven Only	NOS	51,582.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
577		ITEM NO.577 DINING TABLE Providing and Fixing Dining table of Overall S.S (IS 6911:1992),grade of steel 304, Thickness of the table is 40 mm Structure top to be Of s.s 18 SWG 304,Grit. Under Structure to be Vertical poles of 50 mm Dia (16 gauge 304 grade) and top and Bottomsupporting frame Structure to be 50 x 50 mm Square tube etc. complete. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking. Legs shall be of SS and 38 mm dia (16 gauge 304 grades). pipe legs are fixed with under structure and table top etc. complete. MCGM R3-CS-FUR-24								
	1.00	6 SEATER 1800 X 1000 X 750 MCGM R3-CS-FUR-24-b	45000		Rupees FourtyFive Thousand Only	NOS	45,000.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
578	4.50	ITEM NO.578 FOR KITCHEN PLATFORM Providing and constructing granite Kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x 40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete.(Platform top size 1.5 m x 0.60 m and height is 0.75 m) Spec. As directed by Engineer-In-Charge. SSR- 41.78	10318	35	Rupees Ten Thousand Three Hundred Eighteen Paise ThirtyFive Only	SMT	46,432.58			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

579	9.00	ITEM NO.579 KITCHEN TROLLEY Providing and Fixing stainless steel kitchen trolley of overall 26 " height and 22" depth,supported on aluminium pipes ,trolley basket made out of 5 mm stainless steel rod fitted on telescopic channel of size 1.5 " x 20 " x 22 " on both sides of trolley of 12 " or above size, panel having 40Kilogramload bearing capacity of trolley made out of 20 mm PUC coated plywood and colour combination as directed by E-I-C.Inner side of panel covered by white mica ,100 mm s.s. decorative handle.(The width and height of individual compartments shall be kept as directed by Engineer-in-charge) SSR 51.59	16931	25	Rupees Sixteen Thousand Nine Hundred ThirtyOne Paise TwentyFive Only	RMT	152,381.25			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
580	6.00	ITEM NO.580 Providing and fixing acrylic plastic sheet panels of 3mm thick approved quality and required thickness for ceiling work, plain clear / coloured / obscured as specified, including cutting to required size, fixing with screws, clips or approved fasteners, and all necessary accessories complete in all respects. complete as per specification Provided by Engineer In charge(If required Sandwiched two sheet) Approved MR	1791	0	Rupees One Thousand Seven Hundred NinetyOne Only	SMT	10,746.00			For ceiling light, framing separately As per Instruction given by Executive Engineer/ Site Engineer during execution of work
581	1.00	ITEM NO.581 Commercial plywood : Providing and fixing commercial plywood 12 mm thickness (ISI mark) for partition and ceiling (as per department instruction) Recommended plywood companies : durian ucotech greenply, mars (marsgold 100% garjan), euro, orchid, century with phenol bonded etc.including fixtures. Approved MR	1058	0	Rupees One Thousand FiftyEight Only	SMT	1,058.00			Including fevicol, nails other accessories etc. required for fixing As per Instruction given by Executive Engineer/ Site Engineer during execution of work
582	64.76	ITEM NO. 582 Providing and fixing 19 mm thick waterproof plywood (durian ucotech greenply, mars (marsgold 100% garjan), euro, orchid, century with phenol bonded etc (ISI) Approved MR	1763	0	Rupees One Thousand Seven Hundred SixtyThree Only	SMT	114,171.88			Including fevicol, nails other accessories etc. required for fixing As per Instruction given

583	36.00	ITEM NO. 583 Providing and fixing 3mm thk. veneer with three coats of french polishing instead of synthetic enamel painting including all material and labour. MCGM R3-CS-WW-20-f	1249	0	Rupees One Thousand Two Hundred FourtyNine Only	SMT	44,964.00			Including fevicol, nails other accessories etc. required for fixing As per Instruction given
584	36.00	ITEM NO. 584 Providing and fixing 4mm thk. veneer with three coats of french polishing instead of synthetic enamel painting including all material and labour. MCGM R3-CS-WW-20-g	1293	0	Rupees One Thousand Two Hundred NinetyThree Only	SMT	46,548.00			Including fevicol, nails other accessories etc. required for fixing As per Instruction given
585	9.00	ITEM NO. 585 Providing 4 mm thick veneer of National brand, cutting as per drawings and fixing with the help of Fevicol etc completed.(Second Quality) Approved MR	858	0	Rupees Eight Hundred FiftyEight Only	SMT	7,722.00			Including fevicol, nails other accessories etc. required for fixing As per Instruction given
586	48.72	ITEM NO. 586 Proviidng& fixing 1 mm thick laminate to flush doors/partitions instead of synthetic enamel painting including all material and labour. MCGM R3-CS-RM-131	1018	0	Rupees One Thousand Eighteen Only	SMT	49,596.96			Including fevicol, nails other accessories etc. required for fixing As per Instruction given
587	5.00	ITEM NO 587 Sansevieria 6" Pots Height of plant-20 cm to 30 cm Providing and supplying inddor Sansevieria having plant height between 20 cm to 30 cm he plants shall be healthy, well-rooted, disease-free and free from any pest attack, suitable for indoor use, with adequate potting soil and sufficient moisture around the root zone, complete. 10(a)-25/GARDEN DSR/Pg33	215	25	Rupees Two Hundred Fifteen Paise TwentyFive Only	NOS	1,076.25			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

588	10.00	ITEM NO 588 Areca Palm- 10" x 12" Height of plant-3 to 4 ft. Providing and supplying indoor Areca Palm plants having plant height between 3 ft to 4 ft. The plants shall be healthy, well-rooted, disease-free and free from any pest attack, suitable for indoor use, with adequate potting soil and sufficient moisture around the root zone, complete. 11(a)-2/GARDEN DSR/Pg35	147	0	Rupees One Hundred FourtySeven Only	NOS	1,470.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
589	5.00	ITEM NO 589 Areca Palm - 13" x 13" Height of plant- 4 to 5 ft. Providing and supplying indoor Areca Palm plants having plant height between 3 ft to 4 ft. The plants shall be healthy, well-rooted, disease-free and free from any pest attack, suitable for indoor use, with adequate potting soil and sufficient moisture around the root zone, complete. 11(b)-5/GARDEN DSR/Pg35	288	75	Rupees Two Hundred EightyEight Paise SeventyFive Only	NOS	1,443.75			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
590	10.00	ITEM NO 590 Spathiphyllum 6" pots Height of plant- 20 cm to 30 cm Providing and supplying indoor Spathiphyllum plants having plant height between 20 cm to 30 cm. The plants shall be healthy, well-rooted, disease-free and free from any pest attack, suitable for indoor use, with adequate potting soil and sufficient moisture around the root zone, complete. 10(a)-26/GARDEN DSR/Pg33	86	1	Rupees EightySix Paise Ten Only	NOS	861.00			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
591	20.00	ITEM NO 591 Providing and fixing of ss plate with engraving the as per required matter and colour the letters Approved MR	30	0	Rupees Thirty Only	SQ.INCH	600.00			Including engraving of letters/numerals as per drawing As per Instruction given

592	40.00	ITEM NO 592 Providing and fixing name board on acrylic sheet with golden letters with required fixtures and fixing it at site without frame Approved MR	9	44	Rupees Nine Paise FourtyFour Only	SQ.INCH	377.6			Including engraving of letters/numerals as per drawing As per Instruction given
593	20.00	ITEM NO 593 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	275	0	Rupees Two Hundred SeventyFive Only	NOS	5500			Including engraving of letters/numerals as per drawing As per Instruction given
594	10.00	ITEM NO 594 Acrylic Board Name plate/Signages : Providing and Fixing Acrylic Board Namelate / Signages with 3-5mm Fixed with Fixtures and Fitting complete including Alphanumeric Letters as per specification provided by engineer incharge. Approved MR	11375	0	Rupees Eleven Thousand Three Hundred SeventyFive Only	SMT	113750			Including writing, Engraving, Embossing etc. As per Instruction given by Executive Engineer/
595	1.00	ITEM NO.595 Executive Table @ 2250Lx2100Dx750HT including Low Height Credestal @ 1200Lx450Dx650HT Providing & Fixing of Table @ 2250Lx2100Dx750HT TOP & GABLE END to be made of Membrane finish with soft water fall edges & curved panel & Decorated Anodized section MODESTY PANEL to be made of 18 mm thick Prelaminated particle board with PVC edge band. INCLUDING CREDESTAL @ 1200L X 450D X 650H :- To be made out of Membrane Finish (2 Openable Shutter & 3 Drawer Pedestal in between) as per drawing. SSR 51.24	44766	75	Rupees FourtyFour Thousand Seven Hundred SixtySix Paise SeventyFive Only	NOS	44766.75			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

596		ITEM NO.596 EXECUTIVE OFFICE TABLE Providing and fixing of Modular table with fixed pedestal having 2 book drawers and 1 file drawer. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								
		Fixed Pedestal Unit Width of drawer unit shall be of standard size of 450mm. Drawer tray shall of 18 mm thk Commercial Plywood (IS 303 : 1989) completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation All visible edges of drawer trays shall have 2mm thk edge banding to match the colour of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the colour of the tray. Front Central lock to be provided for locking all drawers. Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking etc. complete.								
		Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for the table top.								

		CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pretreatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-04								
	1.00	2400 X 1050 X 750 R3-CS-FUR-04-k	37323	0	Rupees ThirtySeven Thousand Three Hundred TwentyThree Only	NOS	37323			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
597	1.00	ITEM NO.597 Conference Table @ 3600Lx1400Dx750HT Providing & Fixing of Main Table @ 3600Lx1400Dx750HT - made up of 18+18mm Thick MDF top with PVC Membrane finish and waterfall edge profile. Aluminium Anodized finish beeding of 4mm thich is running all over the table top edge. Gable ends is Aerofoiled Shape with front edges in PVC Membrane finish and rest in Prelaminated MDF with batton structure. Gable ends should be hollow from inside for the provision of passing electrical and Data wiring. , MODESTY PANEL:- to be made of 18 mm thick Prelaminated particle board with PVC edge band Access Flap:- For Wire manager 2 Nos. SSR 51.31	104060	25	Rupees One Lakh Four Thousand Sixty Paise TwentyFive Only	NOS	104060.25			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

598		ITEM NO.598 SINGLE BED Single Bed @ 2025LX 1000DX 650H Providing and fixing Single Bed of Size 2025Lx1000Dx650H with mattress and pillow. Understructure: - The legs are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2 mm. The legs should have corner brackets welded to it at two levels. The corner brackets are made of 2mm thick CRCA having a L shaped structure to join the side panels and headboard to the leg. Three nos. of Horizontal stiffeners are provided at equal intervals. The stiffeners are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. The middle Horizontal Stiffener has a leg attached to it to transfer the load to the ground and add to the strength and stability of the complete structure. This leg is also made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. All Metal components to undergo 7 tank treatment process and should be powder coated to the thickness of minimum 50 Microns DFT.Side Panel: - The side panels are made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The overall width of the side panel is 150mm.								
		The side panels have 18mm thick prelam particle board Baton running for required length to add rigidity to the structure. Head Board :- The head board is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 650mm. Foot Board :- The foot board is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 450mm.								
	1.00	Bed Base: - The Bed Base is made up of 12mm thick Prelam Particle Board with both side White laminate SSR 51.55	20335	35	Rupees Twenty Thousand Three Hundred ThirtyFive Paise ThirtyFive Only	NOS	20335.35			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

599	1.00	ITEM NO.599 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.	29500	0	Rupees TwentyNine Thousand Five Hundred Only	NOS	29500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
		MISCELLANEOUS								
600	1.00	ITEM NO.600 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 1 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specification provided by engineer incharge Approved MR	60000	0	Rupees Sixty Thousand Only	NOS	60000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
601	1.00	ITEM NO.601 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 2 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specification provided by engineer incharge Approved MR	120000	0	Rupees One Lakh Twenty Thousand Only	NOS	120000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
602	1	ITEM NO.602 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 3 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specification provided by engineer incharge Approved MR	350000	0	Rupees Three Lakh Fifty Thousand Only	NOS	350000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
603	12	ITEM NO 603 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. Spec. As directed by Engineer-In-Charge.	5600	0	Rupees Five Thousand Six Hundred Only	SMT	67200			Fixed on approved base, including material required for fixing/sticking As per Instruction given by Executive Engineer/

604	10	ITEM NO.604 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	275		Rupees Two Hundred SeventyFive Only	NOS	2750			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
605	1	ITEM NO.605 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 specifcation provided by engineer in charge. Approved MR	180000		Rupees One Lakh Eighty Thousand Only	NOS	180000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
606	2	ITEM NO.606 Supply and Installation of 75" Crystal 4K UHD Smart TV Make Samsung,sony Complete Approved MR	170000		Rupees One Lakh Seventy Thousand Only	NOS	340000			Including all accessories (Stand, remote etc.) Basic software installation
607	49	ITEM NO.607 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	1522	5	Rupees One Thousand Five Hundred TwentyTwo Paise Fifty Only	SMT	74602.5			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/
608	2	ITEM NO.608 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.	1200		Rupees One Thousand Two Hundred Only	NOS	2400			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/

609	2	ITEM NO.609 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.	26500		Rupees TwentySix Thousand Five Hundred Only	NOS	53000			Material, color, quality as per Drawing/reference provided As per Instruction given by Executive Engineer/
610	2	ITEM NO.610 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.	33500		Rupees ThirtyThree Thousand Five Hundred Only	NOS	67000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
611	3	ITEM NO.611 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.	12800		Rupees Twelve Thousand Eight Hundred Only	NOS	38400			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
612	3	ITEM NO.612 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.	17500		Rupees Seventeen Thousand Five Hundred Only	NOS	52500			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
613	2	ITEM NO. 613 Providing and supplying Corner table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	13500		Rupees Thirteen Thousand Five Hundred Only	NOS	27000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

614		ITEM NO.614 L - SHAPE WORKSTATION TABLE TOP WITH ONE GABLE END SUPPORT Providing table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame. Gable End Supports of approved profile and design between tables consisting of 18mm Marine ply (IS 710 : 2010) panels duly edge bound (to be integrated with the partition. Adjustable levellers to be provided to supports.) etc. complete.								
		Accessories Key Board Tray - Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron) MCGM R3-CS-FUR-07			0					
	6	1800 X 600 & side 1050 x 600 MCGM R3-CS-FUR-07-h	15876		Rupees Fifteen Thousand Eight Hundred SeventySix Only	NOS	95256			

615		ITEM NO.615 CHANNELLED WALL PANELLING CHANNELLED WALL PANELLING OF SIZE: 192X2400X15MM Providing and Fixing Channelled perforated panels of width 192mm, thickness of 15mm and length 2400 mm, made of a Moisture resistant fibre board substrate with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut, Interior White, Alumina Pearl) and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the reverse surface has a “Helmholtz” fluted perforation with consecutive 3mm wide groove followed by 13mm or 21mm of visible pane (G-13/ G-21). The edges of the panel shall be “tongue-and- grooved” to fix special clips for installation and seamless visual. The back of the perforated panel shall have sound absorbing non-woven Soundtex acoustical fleece hot pressed to achieve NRC of 0.5. for G-21 and 0.6 for G-13. (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 and Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300m One Metric Tonnehe panels shall be mounted on special aluminium splines (keel) using inside clips provided by Manufacturer and approved by the Architect/ Engineer-in-Charge.								
-----	--	---	--	--	--	--	--	--	--	--

	4	Installation: An appropriate vapour barrier (by others) shall be applied/installed on the vertical surface before the installation to properly seal against entry of any moisture. Vapour barrier (by others) shall be installed as per Manufacturer’s recommendation. Install wooden batten grid (provided by others) of section 50x50mm or as approved by the Architect on the solid wall/partition to provide level and plumb surface for fixing Keel. Install Keel vertically using screws and plugs at spacing of not more than 600mm centre- to-centre. The first and last keel should not be more than 150mm from the ends. Trim the tongue of the first bottom panel and install using headless nail with groove side upward. Subsequent panels are installed with tongue side downward by engaging with each other using tongue and groove mechanism and secured by inside clip. Continue this process until required height is achieved. Shorter butt edges need to be joined using industrial/wood glue. The keel shall also be used for transition of the butt end of adjacent panel at every 7.2m. Install the Skirting (provided by others) of width 50mm or more as required by the Architect/ Engineer-in-Charge. Finish off the edges using wooden moulding of matching colour (by others). Installation should be carried out as per Manufacturer recommended procedure. SSR 51.233	5251	5	Rupees Five Thousand Two Hundred FiftyOne Paise Five Only	SMT	21004.2			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
--	---	---	------	---	--	-----	---------	--	--	---

616		ITEM NO.616 CABIN SOFA Providing and supplying wooden sofa made with minimum 19mm.Marine ply (IS 710 : 2010) structure and internal frame work made of C.P. teak / Maranti wood seat made with minimum 19mm. Marine ply (IS 710 : 2010) and cushion made with foam of 150mm thick - 32 density on seat covered with 14mm thick - 18 density foam. Back made with wooden frame of minimum 50mm X 40mm with 4 mm. ply and covered with foam of 100mm thick - 32 densities covered with 14mm thick - 18 density foam for back extra support to the shape all foam of seat and back covered with tapestry approved by E-I-Charge. (Basic rate Rs. 450/- metre.) Handle made with wooden frame with box of 12mm. ply covered with 14mm thick - 18 density foam with tapestry etc. complete. MCGM R3-CS-FUR-17								
	1	3 seater MCGM R3-CS-FUR-17-c	52920	0	Rupees FiftyTwo Thousand Nine Hundred Twenty Only	NOS	52920			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
	1	1 seater MCGM R3-CS-FUR-17-a	17955	0	Rupees Seventeen Thousand Nine Hundred FiftyFive Only	NOS	17955			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

617		ITEM NO.617 SIDE / BACK CREDENZA (750mm) Providing and supplying Modular Side/Back Credenza made up of required size. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010). Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins. Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. complete. Sides, Shutters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc. Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S.S.Brush Finished, Handles L' Clips Selves support. Multipurpose lock, Levelling Bolt with inserts etc. complete Aluminium furniture feet – Round tube, diameter 40 mm with 100 mm height with suitable finish to match handles'' Shape SS Brush finished handles as indicated in the drawing provided by architect,suitable locking provision. Execution of this item should be make as per the instructions of Achitect in Charge. MCGM R3-CS-FUR-13								
	1	1200 x 500 x 750 MCGM R3-CS-FUR-13-b	13230		Rupees Thirteen Thousand Two Hundred Thirty Only	NOS	13230			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
618		ITE M NO.618 STAFF OFFICE TABLE Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								As per Instruction given by Executive Engineer/ Site Engineer during execution of work

		Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel by MS Brackets. Finish. All steel components should be epoxy powder coated with seven tanks anti corrosion pre- treatment of surface. ABS wire managers to be provided wherever required for table top. CPU Trolley : - Width: 180mm Depth: 245 mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre- treatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-01								
	24	MCGM R3-CS-FUR-01-c 1200 x 600 x 750	15309		Rupees Fifteen Thousand Three Hundred Nine Only	NOS	367416			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
619	10	ITEM NO.619 Float glass sheet of nominal thickness 5mm. MCGM MA-BLD-AW-8	968	76	Rupees Nine Hundred SixtyEight Paise SeventySix Only	SMT	9687.6			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
620		ITEM NO.620 COMPUTER TRAINING TABLE Providing and fixing of Modular table of required size. Table top shall be made of 25mm Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								

		Accessories Key Board Tray - 2 Nos. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: 2 Nos. Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron).								
	1	1200 x 600 x 750 MCGM R3-CS-FUR-03-a	11340	0	Rupees Eleven Thousand Three Hundred Fourty Only	NOS	11340			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

621	1.5	ITEM NO. 621 NATURAL BAMBOO WALL PANELLING FOR CASH COUNTER Providing & fixing of Wooden Grill panel with backer made of natural bamboo with 24mm Face black exposed grid. The Grill panels shall be made of rapidly renewable natural bamboo core having density 600+Kgs/m3 as per BS EN323 (1993) and bending strength of 96+ N/mm2 as per BS EN310 (1993). The Grill panel shall have a seven layer UV coating of thickness 0.09- 0.11mm as per BS EN71 finished to natural or carbonized shades. The Grill panel shall be of nominal size 35x300x2400mm comprising 8 blades/slats of 35x16x2376mm with centre to centre spacing of 37.5mm fixed through Backer of size 12x22x300mm having centre to centre spacing of 300mm and additional end backers at 150mm from both the edges. The Grill panel shall have a fire performance of Class A according to ASTM-E84. The Grill panel shall have moisture content of 8-14% as per IS 1708 (Part 1):1986 and a Humidity Resistance (RH) of 70%. SSR 53.45	19688	55	Rupees Nineteen Thousand Six Hundred EightyEight Paise FiftyFive Only	SMT	29532.825			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
622	12	ITEM NO.622 TOUGHNED FIXED GLASS Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy guage aluminium 'c ' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed. MCGM R3-CS-AW-19	1689	0	Rupees One Thousand Six Hundred EightyNine Only	SMT	20268			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
623	82	ITEM NO.623 Providing and supplying Study Chairs with flap board. Spec. As directed by Engineer-In-Charge. Approved MR	4500	0	Rupees Four Thousand Five Hundred Only	NOS	369000			As per Instruction given by Executive Engineer/ Site Engineer during execution of work

624	50	ITEM NO. 624 FROSTED GLASS FILM FOR GLAZING WINDOW Providing &Fixing frosted film manufactured by 3 M approved equivalent on glass partition wherever required as per the instruction of Architect. MCGM R3-CS-RM-137	1299	0	Rupees One Thousand Two Hundred NinetyNine Only	SMT	64950			As per Instruction given by Executive Engineer/ Site Engineer during execution of work
-----	----	--	------	---	--	-----	-------	--	--	---