

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. २६/०३/२०२५

// गोपवारा //

प्रकरण क्र. (४६५) :- निविदेस मान्यता देणेबाबत.

मिरा भाईंदर महानगरपालिका हद्दीमध्ये विविध ठिकाणी समाज मंदिरे, व्यायाम शाळा, समाज भवने विकसित करणे. (मुलभुत सोई सुविधांचा विकास)

(E-991278)

अ. क्र.	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1104379_1	मिरा भाईंदर महानगरपालिका हद्दीमध्ये विविध ठिकाणी समाज मंदिरे, व्यायाम शाळा, समाज भवने विकसित करणे. (मुलभुत सोई सुविधांचा विकास)	रु.40,13,81,178/-	मे. शायोना कॉर्पोरेशन मे.श्रीजी इपीसी प्रा.लि.

Sr. No	Item Description	Qty	Unit	M/s. Shayona Corporation		M/s. Shreeji EPC Pvt Ltd	
				Rate	Amount	Rate	Amount
1.01	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	8	REPORT	48788	390304	51430	411440
1.02	ITEM NO 02 Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46.19/297	150	SMT	57	8550	60	9000
1.03	ITEM NO 03 Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. SSR 46.09/296	100.00	CMT	423.00	42300	445	44500
1.04	ITEM NO 04 Dismantling stone masonry in lime or cement mortar including stacking the materials as directed with all leads, lifts etc. SSR 46.11/296	50.00	CMT	479.00	23950	505	25250
1.05	ITEM NO 05 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete. SSR 46.29/297	168	CMT	1829	307272	1927	323736
1.06	ITEM NO 06 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	7200.0	HRS	281.0	2023200	296	2131200

1.07	ITEM NO 07 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 0.00 to 1.50 m.) By Manual Means SSR 21.01 / 153	100.0	CMT	302.0	30200	317	31700
1.08	ITEM NO 08 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	8611.0	CMT	261.0	2247471	275	2368025
1.09	ITEM NO 09 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	6341.8	CMT	326.0	2067426.8	343	2175237.4
1.1	ITEM NO 10 Excavation for foundation / pipe trenches in slush muddy / marshy / slushy / soil including use of poclaim, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall be paid separately. MJP DSR/33/8	620.0	CMT	489.0	303180	515	319300
1.11	ITEM NO 11 Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 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 upto 1.5m.) By Mechanical Means SSR 21.10/154	233.0	CMT	318.0	74094	335	78055
1.12	ITEM NO 12 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	16238.8	CMT	563.0	9142444.4	592	9633369.6
1.13	ITEM NO 13 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1590.6	CMT	152.0	241771.2	159	252905.4
1.14	ITEM NO 14 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	16371.7	CMT	1456.0	23837195.2	1534	25114187.8
1.15	ITEM NO 15 Watering and compacting of embankment formed of materials obtained from the road cutting within a lead of 50 m, not less than 97 % of standard Proctor density after laying them in layers of 20 cm. to 30 cm. with vibratory roller. SSR 2.23/24	150.0	CMT	115.0	17250	121	18150

1.16	ITEM NO 16 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	1481.6	CMT	3889.0	5761942.4	4099	6073078.4
1.17	ITEM NO 17 Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap/ granite/ quartzite/ gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (PCC/SSR 24.10 / 176	764.9	CMT	10071.0	7703307.9	10616	8120178.4
1.18	ITEM NO 18 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	873.9	CMT	14000.0	12234600	11550	10093545
1.19	ITEM NO 19 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	620.2	CMT	22000.0	13644400	20422	12665724.4
1.2	ITEM NO 20 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) SSR 26.19/185 RA	807.5	CMT	21714.0	17534055	22889	18482867.5

1.21	ITEM NO 21 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, compaction and 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	599 882 4	CMT	17464	10476346.2	18409	11043235.1
1.22	ITEM NO 22 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	979 966 5	CMT	19561	19169124.7	20620	20206909.23
1.23	ITEM NO 23 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, chajjan, 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	565.8	MT	113026	63950110.8	119148	67413938.4
1.24	ITEM NO 24 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 23.03/173	27.5	MT	128324	3528910	135274	3720035
1.25	ITEM NO 25 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	13	MT	150519	1956747	158671	2062723
1.26	ITEM NO 26 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 chalis, 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	780	SMT	352	274560	371	289380

1	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						
1.27	ITEM NO 27 Centering and shuttering of steel plates with M.S. Angles including strutting, propping etc. and removal of form for Cornices and mouldings. MCGM R3-CS-CW-30-j	322	SMT	933	300426	983	316526
1.28	ITEM NO 28 Providing second class Burnt Brick masonry with conventional 1.5 type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. SSR 27 05 / 197	1843.62 8826	CMT	12033	22184385.7	12684	23384588.03
1.29	ITEM NO 29 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking 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	34.2	CMT	9427	322403.4	9937	339845.4
1.3	ITEM NO 30 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	51.3	CMT	16506	846757.8	17400	892620
1.31	ITEM NO 31 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	7571.04	SMT	841	6367244.64	886	6707941.44
1.32	ITEM NO 32 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	5765.04	SMT	792	4565911.68	834	4808043.36
1.33	ITEM NO 33 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases (NOx, VOC's, CO, SOx, formaldehydes, etc.) in presence of natural or artificial light. It contains Graphene and nanoparticles of titanium oxide, and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufacturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist. SSR 50.79/ 346	8073.29	SMT	469	3786373.01	494	3988205.26

1.34	ITEM NO 34 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neera finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	5837.28	SMT	367	2142281.76	386	2253190.08
1.35	ITEM NO 35 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	5767.59	SMT	182	1049701.38	191	1101609.69
1.36	ITEM NO 36 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	11604.87	SMT	46	533824.02	48	557033.76
1.37	ITEM NO 37 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 putty etc. complete. SSR 35.23 / 225	11604.87	SMT	273	3168129.51	287	3330597.69
1.38	ITEM NO.38 Providing and laying pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and technical specifications etc. complete. (by stone/boulder) SSR 14.72/501	66	CMT	2359	155694	2486	164076
1.39	ITEM NO.39 Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete. SSR 17.27/132	120	RMT	672	80640	708	84960
1.4	ITEM NO 40 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 B1a) 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 / 266	150	SMT	1600	240000	1686	252900
1.41	ITEM NO.41 Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group B1a) 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 cleaning etc. complete. SSR 33.42/217	150	SMT	2038	305700	2148	322200
1.42	ITEM NO 42 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 20 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete with prior approval of concerned Superintending Engineer. SSR 50.13/332	150	SMT	3613	541950	3808	571200
1.43	ITEM NO 43 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B 11A) 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	53.28	SMT	1531	81571.68	1613	85940.64

1.44	ITEM NO 44 Providing and laying ceramic tiles having size 30 cm. x 60 cm. conforming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33.27/264	89.88	SMT	1773	159357.24	1868	167895.84
1.45	ITEM NO 45 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	43.49	SMT	1595	69366.55	1681	73106.69
1.46	ITEM NO 46 Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.18 / 263	8.4	SMT	2005	16842	2113	17749.2
1.47	ITEM NO 47 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	98.4	SMT	5281	519650.4	5566	347694.4
1.48	ITEM NO 48/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	122	SMT	5094	621468	5370	655140
1.49	ITEM NO. 49 Providing and laying rough natural stone tiles 25 mm to 30 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, pointing in cement mortar 1:3, cutting, dressing, leveling, jointing, pointing, curing, finishing etc complete as directed by Engineer In Charge. MCGM/ R3-CS-FL-04 25 to 30 mm thk. rough Kota stone /Sand stone) MCGM/ R3-CS-FL-04-c	445	SMT	1188	528660	1252	557140
1.5	ITEM NO 50 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-28-1	195	SMT	3472	677040	3660	713700
1.51	ITEM NO 51 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,	195	SMT	2786	543270	2936	572520

	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 RJ-CS-JL-01-e						
1.52	ITEM NO 52 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 B1a) 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	5359.5	SMT	4883	26170438.5	5147	27585346.5
1.53	ITEM NO 53 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thickness 30 MM), with base of 8 mm thk Marine grade plywood. Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	500	SMT	13176	6588000	13890	6945000
1.54	ITEM NO 54 Providing and laying telephone black / Amha 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	230.34	SMT	5548	1277926.32	5848	1347028.32
1.55	ITEM NO 55 Providing and fixing in position (as per IS 1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge 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 with all required screws and nuts etc. complete. With colour Anodising with box SSR 39.37 / 251	33.3	SMT	6904	229903.2	7277	242324.1
1.56	ITEM NO 56 Providing and fixing in position (as per IS 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge 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	216	SMT	6933	1497528	7308	1578528

	stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box. SSR 39 41 / 253						
1.57	ITEM NO 57 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineer in charge with all necessary aluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc. complete. a) Without powder coating Note While arriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered. SSR 39 54/257	36	SMT	7991	287676	8424	303264
1.58	ITEM NO 58 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineer in charge with all necessary aluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39 53B/257	7.2	SMT	7203	51861.6	7392	54662.4
1.59	ITEM NO 59 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 / 323	12.6	SMT	4369	55049.4	4605	58023
1.6	ITEM NO 60 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 / 303	4.38804 4071	CMT	252063	1106063.55	265716	1165973.518
1.61	ITEM NO 61 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 09/273	114.724	SMT	1045	119886.58	1101	126311.124
1.62	ITEM NO 62 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	237.6	SMT	3880	921888	4090	971784
1.63	ITEM NO 63 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	15	NOS	8910	133650	9393	140895
1.64	ITEM NO 64 Providing and fixing stone cladding (Rubble, malad, etc.) on external face of the wall, with all the necessary materials along with finish in pigment, including all labour, etc complete approved MR	250.5	SMT	10623	2661061.5	11198	2805099
1.65	ITEM NO 65 Providing cement based water proofing treatment to terraces (Indian water proofing or alika) 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	1999.43	SMT	1648	3295060.64	1737	3473009.91

	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						
1.66	ITEM NO 66 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 virgin concrete slab with waterproofing compound @ 1 Kilogram/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 31/26/208	29.136	SMT	9517	277287.312	10032	292292.352
1.67	ITEM NO 67 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 31/12/253	78.18	SMT	1651	129075.18	1740	136033.2
1.68	ITEM NO 68 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 31/13/254	106.56	SMT	1717	182963.52	1809	192767.04
1.69	ITEM NO 69 Providing preconstructional antitermite treatment as per IS. 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 chlorophyrifos 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 21/25/192	874.9	SMT	222	194227.8	234	204726.6

1.7	ITEM NO 70 Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H): 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom. Door Width- 600 mm specifications/ site drawings). Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS 2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C. All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges 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 51 162/504	159.012	SMT	14107	2243182.28	14871	2364667.452
1.71	ITEM NO 71 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size: 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4:40 mm thick and cement slurry, filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPERATED ONLY AFTER SPECIFIC SANCTION OF DIR.(E.S. & P.) or Equivalent. MCOM RJ-RW-3-38	1785	SMT	1308	2334780	1379	2461515
1.72	ITEM NO.72 Providing & fixing in the footpath Combi- Paver having average crushing strength not less than 80 N/mm² 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	500	SMT	2220	1110000	2340	1170000
1.73	ITEM NO.73 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.	600	SMT	1916	1149600	2019	1211400
1.74	ITEM NO 74 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) Conforming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures,	1936	SMT	2248	4352128	2370	4588320

	transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avanti 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 U/V 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						
1.75	Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of U/V-stable,30 % solidsclear sealer @ 150 to 250 grms per sqm using surface roller and protecting from fallingdust,dirt and curing by curing compound / by providing cement vata in cement Mortor 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top withdepth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superintending Engineer will be necessary) SSR 54.01 / 513						
1.76	ITEM NO 75 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 redosing the surface as specified and directed by Engineering Incharge. Using Concrete Batching and Mixing Plant. SSR 7.05/69	712	RMT	2842	2023504	2996	2133152
1.77	ITEM NO 76 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	397.447	SMT	1097	435999.359	1156	459448.732
1.78	ITEM NO 77 Providing and applying one coat of aluminium paint of approved make to new structural steel work in building and workshop including scaffolding if necessary, cleaning and preparing surface (excluding primer coat) etc. complete. SSR 35.05/223	120	SMT	109	13080	114	13680
1.79	ITEM NO 78 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	1080	SMT	2643	2854440	2783	3007800
1.8	ITEM NO 79ACP 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 fluoropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and sg-hade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon	270	SMT	4877	1316790	5140	1387800

	sealant,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre(SSR 51.100/378)						
1.81	ITEM NO.80 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 sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware, with labour inclusive. Approved MR	120	SMT	5472	656640	5768	692160
1.82	ITEM NO.81 Aluminium Fins:- Providing and Fixing Horizontal fins with 100 mm x 40 mm x 3 mm thick,(Triangle Concave Shape) Aluminium 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	120	SMT	5880	705600	6199	743880
1.83	ITEM NO.82 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	270	SMT	3696	997920	3896	1051920
1.84	ITEM NO.83 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	425.25	SMT	13344	5674536	14066	5981566.5
1.85	ITEM NO. 84 Providing and fixing in position UV resistant, fire retardant, virtually unbreakable and temperature resistant (-40° C to +130° C) Polycarbonate corrugated sheet of 2mm thickness for roof of approved make to match the roof profile at any height with G.I. J hooks bolts of G.I. clamps nuts & bolts or with self drilling fastener and EPDM washer etc. complete as directed. MCGM R3-CS-RW-08	100	SMT	2190	219000	2309	230900
1.86	ITEM NO.85 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. MCGM R3-CS-FI-19	18	SMT	2730	49140	2878	51804
1.87	ITEM NO.86 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	72	SMT	7320	527040	7717	555624

1.88	ITEM NO.87 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 Parameter1 Tensile Impact Strength ISO 8256 - more than 700KJ/m2 2 Vicat Softening Temperature EN ISO - 306 Shall not be < 750C3 Charpy Impact Strength EN ISO - 179-2 Shall not be < 20KJ/m24 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 18 Ignitability Evaluation BS - 476 - Part 5 19 Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa10 Shear Modulus ASTM D 732 Shall not be < 220 MPa11 Tensile Strength EN ISO 527 Shall not be < 30 MPa						
1.89	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 54.00/517						
1.9	Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	16.2	SMT	13224	214228.8	13940	225828
1.91	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.	21.6	SMT	12073	260776.8	12726	274881.6
1.92	Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	21.6	SMT	10511	227037.6	11080	239328
1.93	ITEM NO.88 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 gauge 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	50	SMT	2027	101350	2137	106850
1.94	ITEM NO.89 SS DUSTBIN Garden 59	10	NOS	21675	216750	22848	228480
1.95	ITEM NO.90 SS 202 Grade dustbin double Garden 60	5	NOS	37949	189745	40004	200020
1.96	ITEM NO. 91 Standard Bench (Refer sketch 14) Product area 1.8 x 0.6 mts, Capacity in nos. 4 nos, Product height 0.80m MCGM GW-3-2-j	25	NOS	28406	710150	29944	748600
1.97	ITEM NO.92 Royal Bench (Refer sketch 15) Product area 1.2 x 0.6 mts, Capacity in nos. 3 nos, Product height 0.90m MCGM GW-3-2-k	25	NOS	55017	1375425	57996	1449900
1.98	ITEM NO. 93 Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post,	150	NOS	22892	3433800	24131	3619650

	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						
1.99	ITEM NO.94 Hexagonal tree guard No. tgu- B- Providing, fabrication and fixing M.S. Hexagonal 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-B1 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-16-29	50	NOS	25604	1280200	26990	1349500
2	ITEM NO.95 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	50	NOS	23188	1159400	24444	1222200
2.01	ITEM NO.96 Providing and fixing EPDM (Rubber Mat)(Ethylene propylene diene methylene) flooring for children play area of thickness 25-30 mm above PCC as per specification provided by engineer incharge Approved MR	150	SMT	3838	575700	4045	606750
2.02	ITEM NO. 97 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR						
2.03	Gym equipment						
2.04	Forearm twirl	6	NOS	36950	221700	38951	233706
2.05	SIT up board	6	NOS	66080	396480	69658	417948
2.06	Air walker	5	NOS	89524	447620	94373	471865
2.07	8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+acrial stroller)	6	NOS	574805	3448830	605940	3635640
2.08	ITEM NO.98 Providing and laying Natural unpolished White Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 22) MCGM GW-3-1-c	46	CMT	4740	218040	4997	229862

2.09	ITEM NO.99 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM/GW-3-I-e	110	CMT	1680	184800	1771	194810
2.1	ITEM NO.100 Providing and fixing Decorative themed FRP Based Gate (Sports,Musical,Historical Hero,Cultural) entrance of size as specification provided by engineer incharge complete(5 mt width) Approved MR	5	JOB	122460	612300	129093	645465
2.11	ITEM NO.101 Supplying and fixing Stone sculpture/statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	3	JOB	1950000	5850000	2055625	6166875
2.12	ITEM NO.102Providing 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, including 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	440	RMT	3200	1408000	3372	1483680
2.13	ITEM NO.103 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.	3	NOS	439346	1318038	463143	1389429
2.14	ITEM NO.104 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	2900	SQ.FT	152	440800	159	461100
2.15	ITEM NO.105 P/F clear acrylic panel of size 350 mm x 250 mm with vinyl cut type and graphics etc MCGM CE4-12-13-A-F-335	20	SMT	3000	60000	3163	63260
2.16	Item No.106 P/F Mural Made In Fibre Reinforced Plastic As Per Given Art Work Of Required Sizes McgM Ce4-07-076-Ff-47a	20	SMT	13128	262560	13839	276780
2.17	Item No.107 Mural In Paint (3d) McgM Ce5-10-024- Fair1	200	SMT	9620	1924000	10140	2028000
2.18	ITEM NO.108 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-S1-13	7750	KG	291	2255250	306	2371500
2.19	ITEM NO.109 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 kg. to 20 kg. Per Sq.m.) Spec.No.: As directed by Engineer- in-charge. SSR 23-09/213	43.2	SMT	2646	114307.2	2789	120484.8

2.2	ITEM NO 110 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 40/06/29	165	RMT	1538	253770	1620	267300
2.21	ITEM NO 111 Double Side Pvc Coated waterproof And Sunshed Tensile Fabric Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fittings Approved MR	50	SMT	7800	390000	8223	411150
2.22	ITEM NO 112 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	125	LETTE RS	3420	427500	3605	450625
2.23	ITEM NO 113 Providing and fixing MBMC Logo on entrance gate Approved MR	5	NOS	33600	168000	35420	177100
2.24	ITEM NO 114 Providing and fixing stainless steel Name Board on gate/Building including LED backlight complete as per drawing. size (6mx1m) Approved MR	5	NOS	198000	990000	208725	1043625
2.25	ITEM NO 115 Providing and installation decorative Sculpture, ht of structure - 6ft wide 4 ft ht made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (including fabrication) Approved MR	6	JOB	171600	1029600	180895	1085370
2.26	ITEM NO 116Cutting 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	10	NOS	644	6440	679	6790
2.27	ITEM NO 117 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	10	NOS	1068	10680	1125	11250
2.28	ITEM NO 118 Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area. SSR 2.07/23	8000	SMT	6	48000	5	40000
2.29	ITEM NO 119 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	410	RMT	1699	696590	1790	733900
2.3	ITEM NO 120 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	615	RMT	1872	1151280	1972	1212780
2.31	ITEM NO 121 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/	410	RMT	7514	3080740	7920	3247200

	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						
2.32	ITEM NO 122 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 750 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 22.32/167	615	RMT	9528	5859720	10044	6177060
2.33	ITEM NO 123 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	50	NOS.	938	46900	988	49400
2.34	ITEM NO 124 Providing bentonite slurry process for various diameter of piles vide Item Nos I (i to xiv) above. Spec: (As directed by Engineer in Charge) SSR 22.56/171	1025	RMT	101	103525	106	108650
2.35	ITEM NO 125 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	140	RIG HRS	1807	252980	1905	266700
2.36	ITEM NO 126 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	150	RIG HRS	2091	313650	2204	330600
2.37	ITEM NO 127 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	1	NOS.	222688	222688	234750	234750
2.38	ITEM NO 128 Carrying out load test for 1.5 times the proposed safe working load on the pile in driven position above 650 mm and upto 750 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 22.46/170	1	NOS.	280240	280240	295419	295419
2.39	ITEM NO 129 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 separately as per relevant items) all complete as per specification and as directed by the engineer-in-charge. MCGM R3-CS-PLG-14						
2.4	600 mm MCGM R3-CS-PLG-14.3	20	NOS.	3300	66000	3479	69580
2.41	750 mm MCGM R3-CS-PLG-14.4	30	NOS.	4620	138600	4870	146100
2.42	ITEM NO 130 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)	150	CMT	11330	1699500	11943	1791450
2.43	ITEM NO 131 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material of Ambuja / Mor Chap or equivalent make) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc complete SSR 32.30/211	5537.44	SMT	721	3992494.24	760	4208454.4
2.44	ITEM NO 132 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	30	SMT	11868	356040	12511	375330
2.45	ITEM NO 133 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 millimetre perimeter channel and intermediate channels at maximum center to center distance 1200 millimetre 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 millimetre 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	1665	SMT	2229	3711285	2350	3912750
2.46	ITEM NO 134 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 aluminium sections for suspended false ceiling consisting of aluminium T 2"x1 1/2" (50 mm x 40 mm) weighing 0.39 Kilogram/m at 60 cms center center and fixed with 1/2" x 1/2" (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	1879.48	SMT	3236	6081997.28	3411	6410906.28

	including rounding of the edges with aluminium T of 2" x 1 1/2" (50 mm x 40 mm) weighing 0.39 Kilogram/m etc. (all aluminium sections shall be anodized) including all labour, material, lifts etc. complete SSR 38 52/243						
2.47	ITEM NO 135 Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegalur) Edge Tiles of size 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance 785%, 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 pre-coated 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 GRHA and BS 476 etc. complete SSR 38 47/242	467.73	SMT	3628	1696924.44	3824	1788599.52
2.48	ITEM NO 136 BAFFLE WOODEN 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	190	SMT	18780	3568200	19797	3761430
2.49	ITEM NO 137 Providing and fixing Designer Fabric ceiling with finish Approved MR Spec- As directed by Engineer-In-Charge.	95	SMT	18480	1755600	19481	1850695
2.5	ITEM NO 138 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	50	SMT	1599	79950	1686	84300
2.51	ITEM NO 139 Providing and fixing in position cement sheet having thickness 12 mm in provided Frame/Brick wall/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	80	SMT	1097	87760	1156	92480
2.52	ITEM NO 140 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	90	SMT	7931	713790	8360	752400

	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 1000°C 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 PPGL and bottom Micro Ribbed of 0.5mm PPGL.						
2.53	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) (PPGL - 0.5mm thick). Fire Rated 2 Hr Approved MR						
2.54	ITEM NO 141 Providing and Fixing Roller 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	256.5	SMT	2712	695628	2858	733077
2.55	ITEM NO 142 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	24	SMT	1292	31008	1361	32664
2.56	ITEM NO 143 Providing & fixing Curtains as per drapery details. Including curtain rods & accessories. Spec. As directed by Engineer-In-Charge. Approved MR	81	SMT	2160	174960	2277	184437
2.57	ITEM NO. 144 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 aluminium 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	6	SMT	1970	11820	2076	12456

2.58	ITEM NO 145 Providing and fixing Internal signage: as brush finish 2 mm thick. Spec. As directed by Engineer-In-Charge. Approved MR	90	NOS	2880	259200	3036	273240
2.59	ITEM NO 146 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	150	Letter	3540	531000	3732	559800
2.6	ITEM NO 147 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish, etc complete. Approved MR Spec. As directed by Engineer-In-Charge	466.5	SMT	22200	10356300	23403	10917499.5
2.61	ITEM NO 148 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, entire storage in powder coated finish with 60 to 80 microns, with 25 mm. thk. as per drawing. SSR 51.36	8	NOS	19470	155760	20524	164192
2.62	ITEM NO 149 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, entire storage in powder coated finish with 60 to 80 microns as per drawing. SSR 51.37	5	NOS	23846	119230	25137	125685
2.63	ITEM NO 150 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	30	NOS	54719	1641570	57682	1730460
2.64	ITEM NO 151 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge	6.48	SMT	32196	208630.08	33940	219931.2
2.65	ITEM NO 152 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	803.488 8	SMT	9360	7520655.17	9867	7928023.99
2.66	ITEM NO 153 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	673.326 6	SMT	11760	7918320.82	12397	8347229.86

	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.						
2.67	ITEM NO 154 Providing & Fixing in position, Acoustical Paneling 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	570.486 6	SMT	5784	3299694.49	6097	3478256.8
2.68	ITEM NO 155 Providing and applying Wallpaper premium Quality Approved MR Spec. As directed by Engineer-In-Charge.	109.5	SMT	1980	216810	2087	228526.5
2.69	ITEM NO 156 Providing and supplying Banquet chairs with cushion of approved color. Complete as per specification provided by engineer incharge Approved MR	330	NOS	3600	1908000	3795	2011350
2.7	ITEM NO 157 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 Polyester 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 Polyester Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-30	22	NOS	15000	330000	15813	347886
2.71	ITEM NO 158 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 Polyester Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-29	10	NOS	18600	186000	19608	196080
2.72	ITEM NO 159 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	35	NOS	11400	399000	12018	420630

	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 Polyester Powder Coated. The chair shall be Ergonomic 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 Polyester Powder Coated and as directed by Architect in charge. MCGM - R3-CS-FUR-32						
2.73	ITEM NO 160 Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Chrome finish and scales in silver powder coating finish SSR 51.44	12	NOS	22751	273012	23983	287796
2.74	ITEM NO 161 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	38.16	SMT	3998	152563.68	4215	160844.4
2.75	ITEM NO 162 Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm Teakwood planks 100 x 800 having tongue & groove 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	102	SMT	10351	1055802	10912	1113024
2.76	ITEM NO 163 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 moulding and hardware 5 mm thick toughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc. complete. Antidermite treatment 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	7	NOS	48615	340305	51248	358736
2.77	ITEM NO 164 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) - 0.60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters, main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc. complete location-atrium Approved MR Spec. As directed by Engineer-In-Charge.	5.1	SMT	81360	414936	85767	437411.7
2.78	ITEM NO 165 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						

2.79	3 seater R3-CS-FUR-16-c	3	NOS	19052	57156	20083	60249
2.8	ITEM NO.166 Providing and fixing Sofa-3 seater with upholstery (office) Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	75000	225000	79063	237189
2.81	ITEM NO.167 Providing and fixing Sofa-2 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	39000	117000	41113	123339
2.82	ITEM NO.168 Providing and fixing Sofa-1 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	22200	66600	23403	70209
2.83	ITEM NO.169 Providing and fixing Full Height Wooden Partitions- Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughened glass, necessary support frames as directed. Finishing complete in all respects with melamine polish to all surfaces & beads, etc. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	227.4	SMT	19800	4502520	20873	4746520.2
2.84	ITEM NO.170 DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE 1 Supply and installation of Demountable Modular Aluminium Frame Glass Partition, Single glazed system comprising of 10mm Toughened 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	15	SMT	9900	148500	10436	156540
2.85	ITEM NO.171 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 IS.303 / IS.710-1980 on both sides. The partitions shall be finished with 1.5 mm thk approved quality laminate matt/suede/line 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	195	SMT	8724	1701180	9197	1793415
2.86	ITEM NO.172 Providing and fixing Partly glazed Sliding folding Partition wooden partition with veneer and melamine polish including mechanism Approved RA	90	SMT	22320	2008800	23529	2117610
2.87	ITEM NO.173 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 combination of Aluminium Rails and Bottom, Center and Top members, Connected with 2 way Round Shape Post, 3 way 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	4.8	SMT	9947	47745.6	10485	50328

	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						
2.88	ITEM NO.174 Providing and fixing double/single leaf wooden shutter for partly paneled partly glazed door 35mm 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 veneer/laminate etc. including mouldings complete. (Without frame) Approved MR	46.44	SMT	19800	919512	20873	969342.12
2.89	ITEM NO.175 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 prelam particle board attached to the base unit. The mirror size considered is 1155 x 360 x 400. The mirror has been pasted using high quality 3M sticker SSR - 51.56	1	NOS	21864	21864	23048	23048
2.9	ITEM NO.176 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.	0.72	SMT	22200	15984	23403	16850.16
2.91	ITEM NO.177 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 hardware have been considered as required. SSR NO - 51.57	1	NOS	50891	50891	53647	53647
2.92	ITEM NO.178 Providing and fixing netting and in Archery Centre - stops all arrow types. Prevent lost and broken arrows. Extremely low penetration on ultra-thin carbon arrows and carbon arrows with thicker diameters. This backstop netting is delivered in a set complete with plastic hooks, assembly and operating instructions as well as a steel rope coated with PVC Height: 3 meters (10	38	SMT	3180	120840	3352	127376

	feet) (Dimension Tolerance 5%) Length: 4 meters (13 feet) (Dimension Tolerance 5%) Color: green Accessories: 14 plastic hooks, 4.5-metre steel rope, operating and assembly instructions per specification provided by engineer in charge Approved MR						
2.93	ITEM NO.179 Providing and Supplying Archery target As per specification and drawing provided by the engineer in charge Approved MR	6	NOS	8400	50400	8855	53130
2.94	ITEM NO.180 Providing and Supplying Table for Equipments As per specification and drawing provided by the engineer in charge Approved MR	6	NOS	14640	87840	15433	92598
2.95	ITEM NO.181 Providing and fixing Gymnastic Equipment Complete per olympic size and standards as per Specification and drawings provided by the Engineer in Charge Approved MR						
2.96	Iron Gymnastic Spring Board	1	NOS	82620	82620	87095	87095
2.97	Vaulting Table Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	1	NOS	90720	90720	95634	95634
2.98	Vaulting BOX Made of seasoned wood and coated with clear PU	1	NOS	114372	114372	120567	120567
2.99	Gym Bench - Classic Made of seasoned wood and coated with clear PU	1	NOS	45846	45846	48329	48329
3	Gymnastic Parallel Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Connection lock allows 360 degree Swivelling, which prohibits rattling & movement. Bars made of fibreglass covered with wood. Height adjustment	1	NOS	141426	141426	149087	149087
3.01	Gymnastic Balance Beams Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Height adjustment. Double lock height adjustment system for safety. Top covered with non-slip fabric	1	NOS	86022	86022	90682	90682
3.02	Vaulting Horse Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	1	NOS	45846	45846	48329	48329
3.03	Pommel Horse Legs are made of heavy steel, pommel made of wood and top made of thick cushion covered with non-tearing PVC coated fabric. Height is adjustable	1	NOS	57348	57348	60454	60454
3.04	Uneven Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Bars made of fibreglass covered with wood. Lower bar adjusts. Upper bar adjusts from. Includes easy adjustable cables with tensioners	1	NOS	141426	141426	149087	149087
3.05	Horizontal Bar Uprights made of Heavy Duty POWDER COATED Steel. Pistons made of Heavy Steel & hot galvanized for longer life. Horizontal bar made of Stainless Steel mounted on column's head. Includes cables. Height adjustable from 175 cm to 285 cm with variation of 5 cm.	1	NOS	63018	63018	66431	66431
3.06	Trampoline - Eton						
3.07	Gymnastic Ring Tower						
3.08	Swiss Ball						
3.09	BARBELLS WITH various WEIGHT						
3.1	CLIMBING ROPES (WHITE JUTE)						

3.11	Wall Bar						
3.12	Gymnastic Mat Foldable 2-3'	1	NOS	40500	40500	42694	42694
3.13	Balance Beam Safety Wrap	1	NOS	48600	48600	51233	51233
3.14	COLUMN & CORNER PAD	1	NOS	12960	12960	13662	13662
3.15	NON-FOLDING COMPETITION LANDING MAT	1	NOS	100440	100440	105881	105881
3.16	Tumbi Trak Gymnastic						
3.17	Resi-Pit						
3.18	3/4 SECTION TRAPEZOID TRAINER						
3.19	ITEM NO 182 Providing and fixing Librarian table (1.8m x 75m) made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. Spec. As directed by Engineer-In-Charge. Approved MR. Spec. As directed by Engineer-In-Charge.	1	NOS	48600	48600	51233	51233
3.2	ITEM NO 183 Providing and fixing Issue Counter table (3.05 m x 0.75m) - 0.60 m width for main counter made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete location- Library area. Approved MR. Spec. As directed by Engineer-In-Charge.	3	SMT	44196	132588	46590	139770
3.21	ITEM NO 184 Providing and supplying Book rack straight with white laminate finish inside and exterior designer laminate finish and as shown in the drawings. Approved MR. Spec. As directed by Engineer-In-Charge.	45	SMT	30600	1377000	32258	1451610
3.22	ITEM NO 185 Providing and supplying standard Reading chairs, as shown in the drawings. Approved MR. Spec. As directed by Engineer-In-Charge.	120	NOS	5400	648000	5693	683160
3.23	ITEM NO 186 Providing and supplying Reading table- Type 01 (size- 0.75 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR. Spec. As directed by Engineer-In-Charge.	10	NOS	31188	311880	32877	328770
3.24	ITEM NO 187 Providing and supplying Reading table-Type 02 (size- 1.50 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR. Spec. As directed by Engineer-In-Charge.	30	NOS	34200	1026000	36053	1081590
3.25	ITEM NO 188 Providing and fixing Ledge (2.10 M x 0.30 m) made of 18 mm thk plywood with veneer finish. As directed by Engineer-In-Charge. Approved MR.	20	RMT	9000	180000	9488	189760
3.26	ITEM NO 189 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.	8	NOS	72000	576000	75900	607200

3.27	ITEM NO.190 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	4	NOS	144000	576000	151800	607200
3.28	ITEM NO.191 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	2	NOS	420000	840000	442750	885500
3.29	ITEM NO.192 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. Spec. As directed by Engineer-In-Charge. RA	50	RMT	2200	110000	1000	50000
3.3	ITEM NO.193 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	15	NOS	330	4950	348	5220
3.31	ITEM NO.194 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm,HDMI port, USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specification provided by engineer in charge. Approved MR	6	NOS	216000	1296000	227700	1366200
3.32	ITEM NO.195 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specification provided by engineer in charge. Approved MR	2	NOS	972000	1944000	1024650	2049300
3.33	ITEM NO.196 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley, with water jet and fitting including cutting and making good to the walls and floors testing etc. complete (prior approval of sample and brand by Ex. Engineer is necessary before use)SSR 43.19	30	Nos.	14611	438330	15402	462060
3.34	ITEM NO.197 Providing and fixing Orissa type white glazed earthenware water closet pan of size 260mm x 440mm x 580mm with approved make Slim wall hung cistern with installation kit including S or P trap with cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc.complete. SSR 48.42/316	10	Nos.	4232	42320	4460	44600
3.35	ITEM NO.198 Providing and fixing C.P.Two way BIB cock jaquar make or equivalent continental including necessary sockets/union nut etc. complete. SSR 42.80	40	Nos.	1839	73560	1938	77520

3.36	ITEM NO 199 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	40	Nos.	971	38840	1023	40920
3.37	ITEM NO 200 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water pillar taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing etc. complete. SSR 41 69	5	Nos.	8156	40780	8598	42990
3.38	ITEM NO 201 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	20	Nos.	25061	501220	26418	528360
3.39	ITEM NO 202 Providing and fixing C.P. Angular stop cock with wall flange continental (CAT NO. CON-059) including necessary sockets/union nut etc. complete. SSR 42 79	15	Nos.	3386	50790	3569	53535
3.4	ITEM NO. 203 Supplying, erecting, testing and commissioning self contained water cooler 230/250 Volts 50 cycles nominal cooling capacity of 150 litres per hour and storage capacity 150 litres with partially stainless steel body as per specification No. AP-WCR/WC CSR 3-3-10	3	Nos.	64024	192072	67492	202476
3.41	ITEM NO 204 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	10	Nos.	4984	49840	5253	52530
3.42	ITEM NO 205 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalent make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face of wall. SSR 41 61	12	Nos.	6033	72396	6360	76320
3.43	ITEM NO. 206 Providing and fixing 10 cm rigid PVC Nahani trap with grating etc. complete as per engineer in charge. SSR 42 67	40	Nos.	680	27200	716	28640
3.44	ITEM NO 207 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.						
3.45	a) 15mm dia SSR 42 55	120	Rmt.	336	40320	353	42360
3.46	b) 20mm dia SSR 42 56	150	Rmt.	391	58650	412	61800
3.47	c) 25mm dia SSR 42 57	250	Rmt.	473	118250	498	124500
3.48	d) 32 mm dia SSR 42 58	260	Rmt.	544	141440	572	148720
3.49	e) 40 mm dia SSR 42 59	250	Rmt.	680	170000	716	179000

3.5	f) 50 mm dia SSR 42 60	110	Rmt.	934	102740	984	108240
3.51	ITEM NO 208 Supplying and erecting ISI mark GI pipe 32 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-10	60	Rmt.	486	29160	512	30720
3.52	ITEM NO 209 Supplying and erecting ISI mark GI pipe 40 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-11	60	Rmt.	554	33240	583	34980
3.53	ITEM NO 210 Supplying and erecting ISI mark GI pipe 50 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-12	60	Rmt.	816	48960	860	51600
3.54	ITEM NO 211 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	10	Nos.	1148	11480	1209	12090
3.55	ITEM NO 212 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	10	Nos.	1512	15120	1594	15940
3.56	ITEM NO 213 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	3	Nos.	1772	8860	1867	9335
3.57	ITEM NO 214 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	3	Nos.	1829	5487	1928	5784
3.58	ITEM NO 215 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	1	Nos.	1061	1061	1118	1118
3.59	ITEM NO 216 Providing and fixing 50mm diameter water meter with non-return valve including strainer, sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41 30	3	No.	19595	58785	20656	61968
3.6	ITEM NO 217 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete SSR 42 93	120	Rmt.	656	78720	691	82920
3.61	ITEM NO 218 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42 94	120	Rmt.	910	109200	959	115080
3.62	ITEM NO 219 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	150	Rmt.	544	81600	572	85800
3.63	ITEM NO 220 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	150	Rmt.	749	112350	789	118350

3.64	ITEM NO 221 Providing and making lead joints for 150mm diameter cast iron pipe line including lead and testing. SSR 41.06	15	Rmt.	1124	16860	1185	17775
3.65	ITEM NO 222 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	10	Nos.	680	6800	716	7160
3.66	ITEM NO 223 Providing and fixing 15cm x 10cm 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	5	Nos.	2016	10080	2125	10625
3.67	ITEM NO 224 Providing and fixing Ductile iron manhole cover of light/medium/heavy duty with frame of any size over inspection chamber etc. complete (Prior permission of S.E. is to be obtained before inclusion of this item in the estimate) SSR 50.30	300	Kg.	95	28500	100	30000
3.68	ITEM NO 225 Providing and fixing Ductile iron Man Hole Covers/ Storm 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 Superintending Engineer. SSR 50.85						
3.69	300 mm wide (drain channel)	300	Kg.	363	108900	383	114900
3.7	450 mm wide (drain channel)	150	kg.	363	54450	383	57450
3.71	ITEM NO 226 Supplying, erecting, testing and commissioning of minimum three & above star rated 3 phase, 415 V, 50 Hz, submersible pump set of 7.5 kW/10HP suitable for erection on open well, pump having delivery head from 60 to 28 m and discharge from 120 to 840 litres per minute & 65 mm suction/50 mm delivery dia. as per specification no. WP-OSP. CSR 12-3-7	4	Nos.	52056	208224	54876	219504
3.72	ITEM NO 227 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 230 V, single phase, 50 Hz, A.C. supply of 0.375 kW/0.5 HP with discharge 36/9 lpm for head of 6/21 m & 25 mm suction/25 mm delivery pipe on provided CC foundation as per specification no. WP-CGP, Domestic & Flushing Pumps (Flow Rate 70 LPM & 20 M head) CSR 12-1-1	2	Nos.	6575	13150	6931	13862
3.73	ITEM NO 228 Providing and fixing gun metal Y Strainer conforming to IS. and tested to a pressure not less than, including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required 25 mm dia SSR Pag NO. 534 ITEM NO 128	2	Nos.	391	782	412	824
3.74	ITEM NO 229 Providing and fixing gun metal Y Strainer conforming to IS. and tested to a pressure not less than, including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required 50 mm dia SSR Pag NO. 534 ITEM NO 124	2	Nos.	1112	2224	1172	2344
3.75	ITEM NO 230 Providing and fixing gun metal Non Return Valve conforming to IS 778 and tested to a pressure not less than 10 Kg/cm ² , including rubber gasket, flanges, unions, nuts, bolts and washers etc complete as required. 50 mm dia SSR Pag NO. 539 ITEM NO 347	2	Nos.	3343	6686	3524	7048

3.76	ITEM NO 231 Providing and fixing gun metal ball valves confirming to IS 1703 with threaded/flanged joints complete with nuts, bolts, gaskets etc. 50 mm dia SSR Pag NO. 538 ITEM NO 294	2	Nos.	2013	4026	2121	4242
3.77	ITEM NO 232 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body. CSR 12-4-28	2	Nos.	496	992	522	1044
3.78	ITEM NO 233 Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres. SSR 42-54	10000	Litre	14	140000	15	150000
3.79	ITEM NO 234 Supplying, erecting, testing and commissioning of automatic control panel for three phase, 415 V, A.C. supply submersible/centrifugal pump set upto 20 HP consisting of star delta starter having relay range 28-42 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 12-4-22	1	Nos.	20493	20493	21602	21602
3.8	ITEM NO 235 Supplying & erecting flat flexible 3 core 4 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete. CSR 12-4-9	150	Rmt.	232	34800	244	36600
3.81	ITEM NO 236 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 6 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 7-1-27	180	Rmt.	185	33300	195	35100
3.82	ITEM NO 237 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 7-6-10	20	Rmt.	292	5840	307	6140
3.83	ITEM NO. 238 Supplying and erecting ultra violet water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity, choke made of copper wire, two indicator lamps, dual function cartridge with output of purified water 1 litre/min with activated carbon filter and softener operating on 230 V single phase AC supply with UV fail & filter change indication system. CSR 3-5-2	2	Nos.	9196	18392	9694	19388
3.84	ITEM NO 239 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body. CSR 12-4-28	4	Nos.	496	1984	522	2088
3.85	ITEM NO 240 R.C.C pipe Np2 class 225mm dia. 2m long SSR PAGE NO- 541 ITEM NO- 854	150	Mtr.	494	74100	521	78150
3.86	ITEM NO 241 Providing soak pit of size 120 cm x 120 cm x 120 cm including excavating and filling with brick-bats SSR 42-19	4	Nos.	3720	14880	3921	15684
3.87	ITEM NO 242 Supplying, erecting, testing & commissioning static energy meter with 240V 50 Hz. AC supply 5 to 30 A, accuracy class 1.0 with backlit LCD	8	NO.	3378	27024	3561	28488

	display, (measuring and display kWh, kVAh, V, I, PF, frequency, kW, kVA, six months history of energy & MD in kW & kVA) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weatherproof PVC wires duly tested by electric supply company. CSR 6-5-1						
3.88	ITEM NO- 243 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	8	NO.	1128	9024	1189	9512
3.89	ITEM NO 244 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 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 5-4-9	8	NO.	1600	12800	1686	13488
3.9	ITEM NO 245 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO. CSR 5-6-9	8	NO.	3815	30520	4021	32168
3.91	ITEM NO 246 Supplying, erecting & marking DP 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 5-3-6	8	NO.	642	5136	677	5416
3.92	ITEM NO. 247 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection provided on iron/GI frame as per specification no. SW-MCBDB. CSR 5-4-11	8	NO.	1926	15408	2030	16240
3.93	ITEM NO 248 Supplying, fixing and commissioning 2 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO. CSR 5-6-10	5	NO.	4046	20230	4264	21320
3.94	ITEM NO 249 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	45	NO.	209	9405	220	9900
3.95	ITEM NO.250 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable, 1100 V 3 core 4 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 7-1-8	150	RMT.	149	22350	157	23550
3.96	ITEM NO 251 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	3050	RMT.	86	262300	90	274500

3.97	ITEM NO 252 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	1860	RMT.	56	104160	58	107880
3.98	ITEM NO 253 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/CSR 1-3-3	850	RMT.	119	101150	125	106250
3.99	ITEM NO 254 Supplying & erecting mains with 3x10 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 1-3-9	300	RMT.	467	140100	492	147600
4	ITEM NO 255 Supplying & erecting mains with 4x16 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 1-3-10	200	RMT.	957	191400	1008	201600
4.01	ITEM NO 256 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	1500	RMT.	125	187500	132	198000
4.02	ITEM NO 257 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	1500	RMT.	108	162000	114	171000
4.03	ITEM NO 258 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	2000	RMT.	140	280000	147	294000
4.04	ITEM NO 259 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-10	300	RMT.	123	36900	129	38700
4.05	ITEM NO 260 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	300	RMT.	184	55200	194	58200
4.06	ITEM NO 261 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	150	RMT.	167	25050	176	26400
4.07	ITEM NO 262 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL CSR 2-3-19	85	NO	7338	623730	7735	657475
4.08	ITEM NO 263 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing	65	NO	8201	533065	8645	561925

	with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL, CSR 2-3-20						
4.09	ITEM NO.264 Supplying and erecting LED square / circular Max. 14 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min 1500 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg. max. ripple of 5%, THD<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 2-1-4	420	NOS	1469	616980	1548	650160
4.1	ITEM NO. 265 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, CSR 2-3-2	40	NOS	2564	102560	2702	108080
4.11	ITEM NO.266 Providing & erecting 3 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-0	40	NO	12663	506520	13348	533920
4.12	ITEM NO.267 Supplying & erecting watertight terminal box of 16 mm (16 gauge) CRCA sheet of size 200 x 150 x 150 mm. complete on pole as per specification No. CB-SB CSR 7-8-2	5	NO	584	2920	615	3075
4.13	ITEM NO.268 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 (IP Rated Out Door Quality) CSR 2-1-10	40	NOS	2267	90680	2390	600
4.14	ITEM NO.269 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 CSR 2-1-12	50	NOS	2298	114900	2422	121100
4.15	ITEM NO.270 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole / bracket as per specification no. FG-ODF/PTL, CSR 2-4-3	50	NOS	2056	102800	2167	108350

4.16	ITEM NO.271 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FGODF/PTL.(Fixed on ground/Walls) CSR 2-4-4	50	NOS	1971	98550	2077	103850
4.17	ITEM NO.272 LED type Solar street light fixtures with heat sink for LED,crystalline/ polycrystalline silicon solar PV modules, suitable size of maintenance free battery along with 5.5 mtr , 65mm dia GI pole with civil foundation, base plate, nut , bolts etc and all accessories required for completing installation as per specification. MCGM RJ-ME-5-6 Solar street light of 24 Watt LED MCGM RJ-ME-5-6-e	40	NOS	54849	2193960	57819	2312760
4.18	ITEM NO.273 Supplying and erecting Gate / garden light fitting with 200mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-1	25	NOS	755	18875	796	19900
4.19	ITEM NO.274 Supplying and erecting Gate / garden light fitting with 300mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-2	25	NOS	1164	29100	1227	30675
4.2	ITEM NO. 275 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 , IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-19	30	NO	1691	50730	1782	53460
4.21	ITEM NO. 276 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-2	50	NO	797	39850	840	42000
4.22	ITEM NO. 277 Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class, having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/ FL. CSR 2-3-17	15	NOS	12429	186435	13102	196530
4.23	ITEM NO.278 Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class, having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge	15	NOS	21192	317880	22340	335100

	protection of 4 kV, Life class of 50,000 Hrs at 1.70BS0 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/FL (Beam Type) CSR 2-1-18						
4.24	ITEM NO 279 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 Direct light outdoor floodlight Colour temperature [K]: 3000 MCGM R3-ME-4-1-4	20	NOS	10365	207300	10926	218520
4.25	ITEM NO 280 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 Hshaped aluminum profile MCGM R3-ME-4-1-4	10	NOS	26652	266520	28096	280960
4.26	ITEM NO 281 SITC of IP67 flexible 24 V linear LED stripColor temperature (CCT) MCGM R3-ME-4-34-b	50	RMT	8884	444200	9365	468250
4.27	ITEM NO. 282 Supplying and erecting Energy Saving Ceiling fan of 3 star rating as per BEE 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF CSR 2-9-19	10	NO	2261	22610	2383	23830
4.28	ITEM NO 283 Supplying and erecting Energy Saving BLDC Ceiling fan 230 V A.C. 50 cycles 1400 mm, Max. Energy Consumption of 28W having service ratio (CMM/W) of Min. 8, PF>0.9, THD<10% with IR remote control, Temperature Rise of Max. 40 deg C, having external mounted control PCB completely erected in position as per specification no. FG-FN/CF. CSR 2-9-23	40	NOS	5790	231600	6104	244160
4.29	ITEM NO 284 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch boardCSR 2-10-9	50	NO	230	11500	242	12100
4.3	ITEM NO 285 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia. or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab. CSR 2-10-5	10	NO	224	2240	235	2350
4.31	ITEM NO 286 Supplying and erecting 'B' class GI 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	10	Rmt	290	2900	305	3050
4.32	ITEM NO 287 Point wiring for ceiling fan concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR -1-7-6	200	NO	1041	208200	1097	219400

4.33	ITEM NO 288 Point wiring for light/bell concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR 1-7-5	200	NO	938	187600	988	197600
4.34	ITEM NO 289 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/ SW CSR 1-7-7	200	NO	1066	213200	1123	224600
4.35	ITEM NO 290 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/SW CSR 1-7-7	50	NO	1066	53300	1123	56150
4.36	ITEM NO 291 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short-circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	50	NO	1128	56400	1189	59450
4.37	ITEM NO. 292 Supplying and erecting modular type switch 6A/10A on provided plate and box with wiring connections complete CSR 1-6-1	250	NO	87	21750	91	22750
4.38	ITEM NO. 293 Supplying and erecting modular type switch 16A on provided plate and box with wiring connections complete CSR 1-6-2	20	NO	130	2600	137	2740
4.39	ITEM NO 294 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base/flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick bhyam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate with S M screws and duly connected. CSR 1-5-3	40	NO	60	2400	63	2520
4.4	ITEM NO 295 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick bhyam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate With S M screws and duly connected. CSR 1-5-4	10	NO	81	810	85	850
4.41	ITEM NO 296 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete CSR 1-6-11	15	NO	224	3360	235	3525
4.42	ITEM NO 297 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	10	Nos.	545	5450	574	5740
4.43	ITEM NO 298 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	10	Nos.	278	2780	292	2920

	background in an approved manner. CSR 1-6-34						
4.44	ITEM NO.299 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	8	Nos.	281	2248	296	2368
4.45	ITEM NO.300 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-36	10	Nos.	323	3230	340	3400
4.46	ITEM NO.301 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	20	Nos.	467	9340	492	9840
4.47	ITEM NO.302 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	20	Nos.	653	13060	688	13760
4.48	ITEM NO.303 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	10	Nos.	737	7370	777	7770
4.49	ITEM NO.304 Supplying and erecting ceiling rose/ batten holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	20	NO.	52	1040	54	1080
4.5	ITEM NO. 305 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	200	Rmt.	359	71800	378	75600
4.51	ITEM NO.306 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	250	RM	478	119500	503	125750
4.52	ITEM NO.307 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	210	RM	1041	218610	1097	230370
4.53	ITEM NO.308 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 35 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole	180	RM	357	64260	376	67680

	or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-16						
4.54	ITEM NO.309 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3 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 (Wire Armoured) CSR 7-1-12	50	RM	261	13050	275	13750
4.55	ITEM NO. 310 Supplying, erecting, testing & commissioning of 3 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf ,single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	5	Nos	61558	307790	64892	324460
4.56	ITEM NO.311 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. for 30 mins battery backup CSR 3-8-12	20	Nos	11459	229180	12079	241580
4.57	ITEM NO.312 Supplying & erecting mains with 3x4 sq mm FRESH 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 1-3-7	300	Rmt.	179	53700	188	56400
4.58	ITEM NO. 313 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 CSR 9-2-5	8	KG	202	1616	213	1704
4.59	ITEM NO. 314 Supplying, installing and testing earthing with copper earth plate size 30 x 30 x 0.315 cm complete with all accessories of copper materials & recording the results as per specification no. EA-EP CSR 9-1-2	8	NO	8020	64160	8454	67632
4.6	ITEM NO. 315 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 CSR 9-1-4	20	NO	1845	36900	1944	38880
4.61	ITEM NO. 316 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	150	Rmt.	478	71700	503	75450
4.62	ITEM NO.317 Supplying, installing, testing and commissioning of 1 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 12 V pure sine wave solar power inverter (THD<3%), SPV Modules (335 WP X 03 Nos.), C-10rated lead acid battery bank 12 V, 400 Ah / (12V, 100 Ah x 4 nos.) suitable for 4 Hours backup with suitable MS powder coated stand to hold battery bank and keeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar inverter in casing and capping, displayboard, sign board , two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFGCSR 4-4-1	15	NO	90915	1363725	95839	1437585

4.63	ITEM NO.318 Supplying, erecting, testing and commissioning of diesel generating set with alternator of 10 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 $\pm 5\%$, with performance class G2/G3 and maximum fuel consumption of 2.4 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 of 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 40 ltr etc., on provided M20 grade CC foundation as per specification No. GEN-DG CSR 11-1-3	2	NO	344069	688138	362706	725412
4.64	ITEM NO. 319 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of upto 10 kVA capacity single/three phase, 230/415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF CSR 11-2-1	2	NO	33027	66054	34815	69630
4.65	ITEM NO.320 Supplying, installing, testing & commissioning of 8/10 Ch. Network Video Recorder (NVR), suitable for 2 MP cameras only with HDMI/VGA outputs provided HDMI output of 4K resolution or VGA output with output up to 1920x1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 80Mbps with minimum 2 SATA Hard Disks, ANR Technology, 2 SATA interfaces for 2 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 4/1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface, support multi brand network Cameras, ONVIF conformance, Multiple network monitoring, Web viewer, support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RoHS, UL, CE, FCC certified, duly erected in provided U Rack with wiring connections, tagging and programming etc complete as per specifications no. CCTV-NVR CSR 19-6-12	5	NO	14990	74950	15801	79005
4.66	ITEM NO. 321 Supplying & erecting of High definition 4/5 Megapixel IP IR Bullet Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 2592 x 1520 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 : 50m, Lens Type : 2.8/4.6 mm Lens, fixed focal, 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 - 50m Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°	20	NO	12892	257840	13590	271800

4	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 CSR 19-6-2						
4.67	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						
4.68	ITEM NO. 322 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable with rodent proof and anti termite jacket suitable for networking compliant with ANSI/TIA-568.2-D standards in provided conduit/casing-capping as per specification no. WG-ELVC/NC CSR 19-3-6	400	Rmt.	166	66400	175	70000
4.69	ITEM NO. 323 Supplying and fixing 3 m 24 AWG multi stranded, UTP patch cord of enhanced cat 6A type, compliant ANSI/TIA-568.2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-21	5	NO.	482	2410	507	2535
4.7	ITEM NO. 324 Supplying, erecting & terminating 15 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete. CSR 19-1-24	5	NO.	6390	31950	6736	33680
4.71	ITEM NO. 325 Supplying & erecting 32" professional LED Monitor with 1920*1080 (FullHD) 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-MONCSR 19-6-23	5	NO.	28883	144415	30447	152235
4.72	ITEM NO. 326 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568.C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	4	NO	13221	52884	13937	55748

4.73	ITEM NO.327 Supplying and erecting stainless steel single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-36	3.00	Nos.	7,308.00	21924	7704	23112
4.74	ITEM NO.328 Supplying and installing wall mounting twining hose reel drum fitted with 19 mm dia. 30m long high pressure polypropylene (Polyhose) alongwith necessary accessories complete as per specification no. FF-FFA/HV CSR 13-8-2	3.00	Nos.	8,428.00	25284	8884	26652
4.75	ITEM NO.329 Supplying and erecting stainless steel branch pipe 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specifications no. FF CSR 13-8-8	3.00	Nos.	2,434.00	7302	2565	7695
4.76	ITEM NO.330 Supplying and erecting G.I. pipe "C" class ERW 100 mm dia 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 CSR 13-6-8	180.00	Mtr.	1,968.00	354240	2075	373500
4.77	ITEM NO.331 FIRE BOOSTER PUMP 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	3	Nos.	55142	165426	58128	174384
4.78	ITEM NO.332 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	3	Nos.	7727	23181	8145	24435
4.79	ITEM NO.333 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/ELSCSR 13-7-5	3	Nos.	5514	16542	5813	17439
4.8	ITEM NO.334 Supplying and erecting 100 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-20	3	Nos.	5181	15543	5461	16383

4.81	ITEM NO.335 Supplying & 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	12	Nos.	11932	143184	12578	150936
4.82	ITEM NO.336 PUMP STARTER: Supplying, erecting, testing and commissioning of D.O.L Starter suitable for 400 V, 3 phase 50 Hz with no volt coil and overload element with necessary materials and connected to supply for above 7.5 HP 10 HP. CSR 12-4-3	3	Nos.	3831	11493	4038	12114
4.83	ITEM NO.337 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-16	50	Mtr.	382	19100	402	20100
4.84	ITEM NO.338 Supplying, erecting & terminating FR 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 CSR 7-2-33	80	Mtr.	726	58080	765	61200
4.85	ITEM NO.339 Supplying, installing, testing & commissioning split type variable speed inverter technology with minimum 3 to 1 convertible mode for compressor, room air conditioning unit 1.3TR to 1.6TR capacity having ISEER minimum 5.00 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit hi-wall/floor mounting type complete with refrigerant R32 having copper condenser, minimum 2.5PM filter, self diagnosis feature, stabilizer free operation & temperature display on indoor unit, noise level maximum 50dBA at position as per specification no. AP-AC/ SAC CSR 3-2-11	15	Nos.	54479	817185	57430	861450
4.86	ITEM NO.340 Supplying, installing, testing & commissioning split type variable speed inverter technology with minimum 3 to 1 convertible mode for compressor, room air conditioning unit 1.7TR to 2.0TR capacity having ISEER minimum 3.8 to maximum 4.39 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit hi-wall/floor mounting type complete with refrigerant R32 having copper condenser, minimum 2.5PM filter, self diagnosis feature, stabilizer free operation & temperature display on indoor unit, noise level maximum 50dBA at position as per specification no. AP-AC/ SAC CSR 3-2-12	15	Nos.	68090	1021350	71777	1076655
4.87	ITEM NO.341 Supplying & erecting seamless outside & inside, smooth, dry and clean copper pipe with ROHS compliant suitable for refrigerant having 22SWG thickness and inner dia/size 16mm complete. CSR 3-2-27	110	mtr.	545	59950	374	63140
4.88	ITEM NO.342 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 16 mm for solar water heater /AC system CSR 4-2-4	110	mtr.	104	11440	109	11990
4.89	ITEM NO.343 Supplying & erecting seamless outside & inside, smooth, dry and clean copper pipe with ROHS compliant suitable for refrigerant having 22SWG thickness and inner dia/size 12mm complete. CSR 3-2-26	110	mtr.	365	40150	385	42350

4.9	ITEM NO 344 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 12 mm for solar water heater /AC system. CSR 4-2-3	110	mtr.	93	10230	97	10670
4.91	ITEM NO 345 Supplying and erecting HMS PVC conduit FRLS grade 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No. WG-M/ACC. CSR 1-1-7	110	mtr.	125	13750	132	14520
4.92	ITEM NO 346 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 19 mm for solar water heater /AC system. CSR 4-2-5	110	mtr.	120	13200	127	13970
4.93	ITEM NO 347 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. Toilet Exhaust Fans CSR 3-11-60	4	nos.	6322	25288	6664	26656
4.94	ITEM NO 348 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-2	50	sq mt	1779	88950	1875	93750
4.95	ITEM NO 349 Supplying & erecting 22 SWG GI sheet metal crawl sector shaped with 25 x 25 x 3 (mm) angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 300 mm as per specification no FG-FAS/MS CSR 2-10-14	4	nos.	1346	5384	1418	5672
4.96	ITEM NO 350 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	2	Job	1637	3274	1725	3450
4.97	ITEM NO 351 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	150	mtr.	293	43950	309	46350
4.98	ITEM NO 352 Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECHC- 2007. Underdeck Insulation CSR 3-11-83	150	sq.mt	1258	188700	1326	198900
4.99	ITEM NO 353 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. CSR 6-1-19	60	kg	236	14160	248	14880

5	ITEM NO.354 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	1	NOS	577843	577843	598601	598601
5.01	ITEM NO.355 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	1	NOS	546378	546378	575973	575973
5.02	ITEM NO.356 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	1	NOS	501522	501522	528688	528688

5.03	ITEM NO.357 Supplying, erecting, testing and commissioning of 12HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-4	1	NOS	385906	385906	406809	406809
5.04	ITEM NO.358 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper 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	1	NOS	363945	363945	383658	383658
5.05	ITEM NO.359 Supplying, erecting, testing and commissioning of 7HP to 8HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete, CSR 3-11-2	1	NOS	346997	346997	365792	365792

5.06	ITEM NO.360 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-22	8	NOS	47342	378736	49906	399248
5.07	ITEM NO.361 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 coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-20	15	NOS	45603	684045	48073	721095
5.08	ITEM NO.362 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 coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	6	NOS	45168	271008	47615	285690
5.09	ITEM NO.363 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56	2	NOS	77511	155022	81709	163418
5.1	ITEM NO.364 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10.0TR (8200 cfm) Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls	1	NOS	112640	112640	118740	118740

	and electrical terminal to receive power . having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 1236 CFM / 8.0TR CSR 3-11-59						
5.11	ITEM NO.365 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 6.5TR Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power . having anti-corrosive coating suitable for costal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 988 CFM / 6.0TR CSR 3-11-58	1	NOS	89370	89370	94211	94211
5.12	ITEM NO.366 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	30	NOS	3195	95850	3367	101010
5.13	ITEM NO.367 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	50	NOS	2985	149250	3146	157300
5.14	ITEM NO.368 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	50	NOS	2922	146100	3080	154000

5.15	ITEM NO.369 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 multicasting 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	120	NOS	1961	235320	2067	248040
5.16	ITEM NO.370 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 multicasting 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	120	NOS	1527	183240	1609	193080
5.17	ITEM NO.371supplying, 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 multicasting 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	110	NOS	1343	147730	1416	155760
5.18	ITEM NO.372 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 multicasting 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	60	NOS	998	59880	1051	63060
5.19	ITEM NO.373 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 multicasting of VRV/VRF piping for protection against mechanical damages,	110	NOS	840	92400	886	97460

	fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-96						
5.2	ITEM NO.374 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	30	NOS	653	19590	688	20640
5.21	ITEM NO.375 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	40	NOS	7373	294920	7772	310880
5.22	ITEM NO.376 Providing and fixing on walls/ ceiling/ floor 50mm dia CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	80	RMT	934	74720	984	78720
5.23	ITEM NO.377 Providing and fixing on walls /ceiling/ floor 40mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59	80	RMT	680	54400	716	57280
5.24	ITEM NO.378 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	110	RMT	544	59840	572	62920
5.25	ITEM NO.379 Providing and fixing on walls/ ceiling/ floor 25mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.57	110	RMT	473	52030	498	54780
5.26	ITEM NO.380 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SILCR CSR 6-1-2	650	SMT	1779	1156350	1875	1218750
5.27	ITEM NO.381 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for	110	SMT	1804	198440	1901	209110

	fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-3						
5.28	ITEM NO.382 Supply, fabrication, installation and testing of flexible canvas connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	10	NOS	3543	35430	3734	37340
5.29	ITEM NO.383 Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	600	SMT	1258	754800	1326	795600
5.3	ITEM NO.384 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	110	SMT	1430	157300	1507	165770
5.31	ITEM NO.385 Supplying, installing and testing of 25 mm thick underdeck insulation. Insulation material shall be Closed Cell Elastomeric Nitrile Rubber. Thermal conductivity of insulation material shall not exceed 0.035 W/(m.K) at mean temperature of 0°C as per EN 12667. Moisture Diffusion Resistance Factor or 'μ' value of insulation material shall be minimum 7.000 without any external barrier as per EN 12086. The insulation shall have fire performance such that it passes Class 1 as per BS476 Part 7 for surface spread of flame as per BS 476 and also pass Fire Propagation requirement as per BS476 Part 6 to meet the Class 'O' Fire category as per 1991 Building Regulations (England & Wales) and the Building Standards (Scotland) Regulations 1990. The insulation material shall have fire performance of V0, HB as per UL 94, 1996. Material should be FM (Factory Mutual), USA approved. The insulation material shall be dust and fibre free. Approved MR	2000	SMT	2300	4600000	1537	3074000
5.32	ITEM NO.386 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	100	JOH	1637	163700	1725	172500
5.33	ITEM NO.387 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	4	SMT	7518	30072	7925	31700
5.34	ITEM NO.388 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size CSR 3-11-87	10	SMT	8338	83380	8789	87890
5.35	ITEM NO.389 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	2	NOS	5700	11400	6009	12018
5.36	ITEM NO.390 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	26	NOS	6600	171600	6958	180908
5.37	ITEM NO.391 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	2	NOS	7800	15600	8223	16446

5.38	ITEM NO.392 Aluminum Extruded Fresh Air & Exhaust Rain Protection Air Louvers with Bird screen Approved MR	6	NOS	14400	86400	15180	91080
5.39	ITEM NO.393 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	150	KG	236	35400	248	37200
5.4	ITEM NO.394 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall integrated with provided fire alarm system. CSR 3-11-79	2	NOS	58253	116506	61408	122816
5.41	ITEM NO.395 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	10	NOS	6322	63220	6664	66640
5.42	ITEM NO.396 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	10	NOS	19061	190610	20093	200930
5.43	ITEM NO.397 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	1	NOS	6423	6423	6770	6770
5.44	ITEM NO.398 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 1400 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	1	NOS	5919	5919	6239	6239
5.45	ITEM NO.399 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq.mm (32 no. x 0.20mm dia) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 KV (Control cable) CSR 1-3-13	150	RMT	60	9000	63	9450
5.46	ITEM NO.400 Supplying and erecting HMSPV Conduit 20mm dia with PVC accessories on wall / ceiling as per specification no. WG-MA/CON CSR 1-2-3	150	RMT	101	15150	106	15900
5.47	ITEM NO.401 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	50	RMT	478	23900	503	25150

5.48	ITEM NO 402 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-33	120	RMT	726	87120	765	91800
5.49	ITEM NO 403 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	20	RMT	1041	20820	1097	21940
5.5	ITEM NO 404 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	50	RMT	1016	50800	1070	53500
5.51	ITEM NO 405 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	110	RMT	708	77880	746	82060
5.52	ITEM NO 406 Supplying 6A, 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-14	50	NOS	64	3200	67	3350
5.53	ITEM NO 407 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	4	NOS	6322	25288	6664	26656
5.54	ITEM NO 408 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	6	NOS	19061	114366	20093	120558
5.55	ITEM NO 409 Supplying and erecting SS enclosure of 1.6mm thick with detachable gland plate suitable for upto 100A MCCB. CSR 5-11-17	10	NOS	1186	11860	1250	12500
5.56	ITEM NO 410 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	5	NOS	3308	16540	3486	17430
5.57	ITEM NO 411 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	5	NOS	3267	16335	3443	17215
5.58	ITEM NO 412 Supplying, erecting & commissioning 4 pole RCCB 63A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-6	2	NOS	3711	7422	3911	7822

5.59	ITEM NO 413 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-G/L. CSR 7-7-1	40	NOS	88	3520	92	3680
5.6	ITEM NO 414 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-G/L. CSR 7-7-2	4	NOS	112	448	118	472
5.61	ITEM NO 415 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-G/L. CSR 7-7-3	4	NOS	222	888	234	936
5.62	ITEM NO 416 Supply, installation, testing and commissioning air curtain of 6feet width having air throw velocity of 21 m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-76	6	NOS	27342	164052	28823	172938
5.63	ITEM NO 417 Supply, installation, testing and commissioning air curtain of 4feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply CSR 3-11-75	4	NOS	23540	94160	24814	99256
5.64	LANDSCAPING						
5.65	ITEM NO 418 Preparing Lawn (30 cm. depth) - Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clinning, rolling etc complete. PARK AND GARDEN DSR	500	SMT	831	415500	875	437500
5.66	ITEM NO. 419 Preparing flower Bed -Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc, Complete. PARK AND GARDEN DSR	300	SMT	820	246000	864	259200
5.67	ITEM NO 420 GARDEN SOIL Supplying on site garden soil well sieved 90% to pass through 15 sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation Tax Transporting loading -unloading etc (Lead charges per 90 km. considered) PARK AND GARDEN DSR	375	CMT	1008	378000	1063	398625
5.68	ITEM NO 421 FARM YARD MANURE -Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other	150	CMT	984	147600	1037	155550

	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 30 km. are considered) PARK AND GARDEN DSR						
5.69	Plant should be healthy, well rooted, diseased free and free from any pest attack with sufficient moisture around root zone in polybag. (Wherever applicable)						
5.7	ITEM NO.422 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupressus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	600	NOS	60	36000	63	37800
5.71	ITEM NO.423 Palm Varieties (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8ft PARK AND GARDEN DSR	50	NOS	1560	78000	1645	82250
5.72	ITEM NO.424 Plants required for Landscaping (Euphorbia, Hemelia, Malppegia, Mussanda, Tacoma, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phonicus Palm Xmas Tree, Ficus Panda etc) 4-5 ft PARK AND GARDEN DSR	300	NOS	330	99000	348	104400
5.73	ITEM NO. 425 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs, apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. PARK AND GARDEN DSR	600	SMT	783	469800	825	495000
5.74	ITEM NO. 426 Forrest Trees (Peltophorum, Bakul, Keca, Neem, Tabobia, ETC) Annex B (8-10 FEET) PARK AND GARDEN DSR	10	NOS	780	7800	822	8220
5.75	ITEM NO. 427 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	10	NOS	2812	28120	2964	29640
5.76	ITEM No.428 Plant Protection measures for tree having girth between 2' to 5' MCGM R3-GW-8-22	20	NOS	347	6940	366	7320
5.77	ITEM NO.429 Quisqualis 24 indica 6" to 9" height excluding polybag MCGM R3-GW-5-205	150	NOS	21	3150	22	3300
5.78	ITEM NO. 430 Bougainvillea parviana Thimma 6" to 9" height excluding polybag MCGM R3-GW-5-20	150	NOS	42	6300	44	6600
5.79	ITEM NO.431 Codiaeum variegatum Hybrid croton 6" to 9" height excluding polybag MCGM R3-GW-5-37	50	NOS	56	2800	58	2900
5.8	ITEM NO. 432 Samanea saman Rain tree 4' to 5' height excluding polybag MCGM R3-GW-5-295	50	NOS	98	4900	102	5100
5.81	ITEM NO. 433 Rhoeo discolor Rhoeo Nana 4" to 6" height excluding polybag MCGM R3-GW-5-145	200	NOS	15	3000	15	3000

5.82	ITEM NO. 434 Roho discolor Rhoeo Tall 4' to 6' height excluding polybag MCGM R3-GW-5-146	200	NOS	28	5600	29	5800
5.83	ITEM NO. 435 Delonix regia Gulmohar 4' to 5' height excluding polybag MCGM R3-GW-5-261	50	NOS	98	4900	102	5100
5.84	ITEM NO. 436 Verbena 6" to 9" height excluding polybag MCGM R3-GW-5-158	150	NOS	21	3150	22	3300
5.85	ITEM NO. 437 Chlorophytum laxum Dwarf Chlorophytum 6" to 9" height excluding polybag MCGM R3-GW-5-40	150	NOS	28	4200	29	4350
5.86	ITEM NO. 438 Chlorophytum comosum Spider Plant 6" to 9" height excluding polybag MCGM R3-GW-5-39	150	NOS	28	4200	29	4350
5.87	ITEM NO. 439 Mangifera indica Mango 4' to 5' height excluding polybag MCGM R3-GW-5-284	50	NOS	173	8650	182	9100
					Rs. 48,20,69,537/-	Rs. 50,16,76,100/-	

नमूद कामाकरीता मे, शायोना कॉर्पोरेशन यांनी वरील दराची निविदा सादर केली आहे. परंतु सदरचे दर हे अंदाजपत्रकिय दरापेक्षा जास्तीचे असल्याने कंत्राटदार यांनी दरवाटाघाटीनंतर 16.74% दर कमी करून दिलेले असून त्यानुसार सदर निविदा रक्कम ही रु.40,13,81,178/- एवढी होत आहे.

सदर कमी केलेल्या दरानुसार निविदा रक्कम रु.40,13,81,178/- एवढी होत असून मे. शायोना कॉर्पोरेशन यांची मंजूर रकमे एवढीच निविदा रक्कम होत आहे. नगरविकास विभागाकडील शासन निर्णय व मा. जिल्हाधिकारी ठाणे यांचेकडील प्रशासकिय मान्यतेच्या आदेशात नमूद केल्यानुसार वितरीत निधी व्यतिरिक्त उर्वरीत निधी प्रतिवर्षी वितरीत करण्यात येणार असल्याने त्यानुसार प्राप्त तरतूदीच्या मर्यादेत टप्प्याटप्प्याने कामे हाती घेण्यात येतील ही अट नमूद करून कार्यादेश देण्यात येतील.

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



(दिपक खांबित)

शहर अभियंता

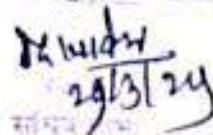
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मा. महासभा / स्थायी समिती सभा

बोलावणी: 29/03/2024 - 4034 AT

संख्या: 862 2024/26



मिरा-भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक २६/०३/ 2025

प्रकरण क्र. (४६७) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (४६७)

अ.क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1104379_1	मिरा भाईंदर महानगरपालिका हद्दीमध्ये विविध ठिकाणी समाज मंदिरे, व्यायाम शाळा, समाज भवने विकसित करणे. (मुलभुत सोई सुविधांचा विकास)	रु.40,13,81,178/-	मे. शायोना कॉर्पोरेशन मे. श्रीजी इपीसी प्रा.लि.

Sr. No	Item Description	Qty	Unit	Ms. Shayona Corporation		M/s. Shreeji EPC Pvt Ltd	
				Rate	Amount	Rate	Amount
1.01	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	8	REPO RT	48788	390304	51430	411440
1.02	ITEM NO.02 Removing cement tiles or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46.19/297	150	SMT	57	8550	60	9000
1.03	ITEM NO.03 Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. SSR 46.09/296	100.00	CMT	423.00	42300	445	44500
1.04	ITEM NO.04 Dismantling stone masonry in lime or cement mortar including stacking the materials as directed with all leads, lifts etc. SSR 46.11/296	50.00	CMT	479.00	23950	505	25250
1.05	ITEM NO.05 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete. SSR 46.29/297	168	CMT	1829	307272	1927	323736
1.06	ITEM NO.06 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	7200.0	HRS	281.0	2023200	296	2131200
1.07	ITEM NO.07 Excavation for foundation in earth, soil of all types, sand, gravel and soft muram, including removing the excavated material upto a distance of 50m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 0.00 to 1.50 m.) By Manual Means SSR 21.01/153	100.0	CMT	302.0	30200	317	31700

1.08	ITEM NO 08 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	8611.0	CMT	261.0	2247471	275	2368025
1.09	ITEM NO 09 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	6341.8	CMT	326.0	2067426.8	343	2175237.4
1.1	ITEM NO 10 Excavation for foundation / pipe trenches in slush muddy /marshy / slushy / soil including use of poclain, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall be paid separately. MUP (DSR/53/8	620.0	CMT	489.0	303180	515	319300
1.11	ITEM NO 11 Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 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 upto 1.5m.) By Mechanical Means SSR 21.10/154	233.0	CMT	318.0	74094	335	78055
1.12	ITEM NO 12 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	16238.8	CMT	563.0	9142444.4	592	9613369.6
1.13	ITEM NO 13 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1590.6	CMT	152.0	241771.2	159	252905.4
1.14	ITEM NO 14 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	16371.7	CMT	1456.0	23837195.2	1534	25114187.8
1.15	ITEM NO 15 Watering and compacting of embankment formed of materials obtained from the road cutting within a lead of 50 m, not less than 97 % of standard Proctor density after laying them in layers of 20 cm. to 30 cm. with vibratory roller. SSR 2.23/24	150.0	CMT	115.0	17250	121	18150
1.16	ITEM NO 16 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	1481.6	CMT	3889.0	5761942.4	4099	6073078.4
1.17	ITEM NO 17 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 hauling out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and	764.9	CMT	10071.0	7703307.9	10616	8120178.4

	honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (PCC)SSR 24.10/176						
1.18	ITEM NO.18 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	873.9	CMT	14000.0	12234600	11550	10093545
1.19	ITEM NO.19 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including 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	620.2	CMT	22000.0	13644400	20422	12665724.4
1.2	ITEM NO.20 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) SSR 26.19/185 RA	807.5	CMT	21714.0	17534055	22889	18482867.5
1.21	ITEM NO.21 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	599.882 4	CMT	17464	10476346.2	18409	11043235.1

1.22	ITEM NO 22 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.	979.966 5	CMT	19561	19169124.7	20620	20206609.23
1.23	ITEM NO 23 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, chuggas, lintels, parris, 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	365.8	MT	113026	63950110.8	119148	67413938.4
1.24	ITEM NO 24 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	27.5	MT	128324	3528910	135274	3720035
1.25	ITEM NO 25 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	13	MT	150519	1956747	158671	2062723
1.26	ITEM NO 26 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 1.3 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube chaffis, 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	780	SMT	352	274560	371	289380
1.27	ITEM NO 27 Centering and shuttering of steel plates with M.S. Angles including strutting, propping etc. and removal of form for Cornices and mouldings. MCGM RJ-C'S-CW-30-j	322	SMT	933	300426	983	316526

1.28	ITEM NO 28 Providing second class Burnt Brick masonry with conventional/LS. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete SSR 27.05/197	1843.62 8826	CMT	12033	22184385.7	12684	23384588.03
1.29	ITEM NO 29 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking 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	34.2	CMT	9427	322403.4	9937	339845.4
1.3	ITEM NO 30 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	51.3	CMT	16506	846757.8	17400	892620
1.31	ITEM NO 31 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	7571.04	SMT	841	6367244.64	886	6707941.44
1.32	ITEM NO 32 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	5765.04	SMT	792	4565911.68	834	4808043.36
1.33	ITEM NO 33 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases(NOx, VOC's, CO, SOx, formaldehydes, etc.) in presence of natural or artificial light. It contains Graphene and nanoparticles of titanium oxide. and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufacturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/346	8073.29	SMT	469	3786373.01	494	3988205.26
1.34	ITEM NO 34 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	5837.28	SMT	367	2142281.76	386	2253190.08
1.35	ITEM NO 35 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	5767.59	SMT	182	1049701.38	191	1101609.69

1.36	ITEM NO 36 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	11604.87	SMT	46	533824.02	48	557033.76
1.37	ITEM NO 37 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	11604.87	SMT	273	3168129.51	287	3330597.69
1.38	ITEM NO 38 Providing and laying pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and technical specifications etc. complete. (by stone/boulder)SSR 14.72/501	66	CMT	2359	155694	2486	164076
1.39	ITEM NO 39 Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete. SSR 17.37/132	120	RMT	672	80640	708	84960
1.4	ITEM NO 40 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 B1a) 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 / 266	150	SMT	1600	240000	1686	252900
1.41	ITEM NO 41 Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group B1a) 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 cleaning etc. complete. SSR 33.42/217	150	SMT	2038	305700	2148	322200
1.42	ITEM NO 42 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 20 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete. with prior approval of concerned Superintending Engineer. SSR 50.13/332	150	SMT	3613	541950	3808	571200
1.43	ITEM NO 43 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B 1IA) 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	53.28	SMT	1531	81571.68	1613	85940.64
1.44	ITEM NO 44 Providing and laying ceramic tiles having size 30 cm. x 60 cm, confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33.27/264	89.88	SMT	1773	159357.24	1868	167895.84
1.45	ITEM NO 45 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	43.49	SMT	1595	69366.55	1681	73106.69

1.46	ITEM NO 46 Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.18 / 263	8.4	SMT	2005	16842	2113	17749.2
1.47	ITEM NO 47 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / Ribi 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	98.4	SMT	5281	519650.4	5566	547694.4
1.48	ITEM NO 48/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	122	SMT	5094	621468	5370	655140
1.49	ITEM NO. 49 Providing and laying rough natural stone tiles 25 mm to 30 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, pointing in cement mortar 1:3, cutting, dressing, leveling, jointing, pointing, curing, finishing etc complete as directed by Engineer In Charge. MCGM/ R3-CS-FL-04 25 to 30 mm thk. rough Kota stone (Sand stone) MCGM/ R3-CS-FL-04-c	443	SMT	1188	528660	1252	557140
1.5	ITEM NO 50 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, hacking of 20 thk. cement mortar in proportion 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	195	SMT	3472	677040	3660	713700
1.51	ITEM NO 51 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	195	SMT	2786	543270	2936	572520
1.52	ITEM NO 52 Providing and laying full body heavy duty, scratch resistant, high abrasion resistant vitrified mirror / glossy/ matt finish tiles for flooring decorative type having size 800 X 800, 1000 X 1000, 800 X 2400 mm (approved size) etc. of 10 to 12 mm thickness and conforming to IS. 15622-2006 (group IIIa) 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	5359.5	SMT	4883	26170438.5	5147	27585346.5

1.53	ITEM NO 53 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thickness 30 MM), with base of 8 mm thk Marine grade plywood. Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	500	SMT	13176	6588000	13890	6943000
1.54	ITEM NO 54 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	230.34	SMT	5548	1277926.32	5848	1347028.32
1.55	ITEM NO 55 Providing and fixing in position. (as per LS.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge 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 with all required screws and nuts etc, complete. With colour Anodising with box.SSR 39.37 / 251	33.3	SMT	6904	229903.2	7277	242324.1
1.56	ITEM NO 56 Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge 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	216	SMT	6933	1497528	7308	1578528
1.57	ITEM NO 57 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineer in charge with all necessary aluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc, complete. a) Without powder coating Note While arriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered. SSR 39.54/257	36	SMT	7991	287676	8424	303264
1.58	ITEM NO 58 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineer in charge with all necessary	7.2	SMT	7203	51861.6	7992	54662.4

	aluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39 538/237						
1.59	ITEM NO 59 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 / 323	12.6	SMT	4369	55049.4	4605	58023
1.6	ITEM NO 60 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 / 303	4.38804 4071	CMT	252063	1106063.55	265716	1165973.518
1.61	ITEM NO 61 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 09/273	114 724	SMT	1045	119886.58	1101	126311.124
1.62	ITEM NO 62 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	237.6	SMT	3880	921888	4090	971784
1.63	ITEM NO 63 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	15	NOS	8910	133650	9393	140895
1.64	ITEM NO 64 Providing and fixing stone cladding (Rubble, malad, etc.) on external face of the wall, with all the necessary materials along with finish in pigment, including all labour, etc. complete. approved MR	250.5	SMT	10623	2661061.5	11198	2805099
1.65	ITEM NO 65 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	1999.43	SMT	1648	3295060.64	1737	3473009.91

1.66	ITEM NO 66 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 @ 1 Kilogram/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 31.26/208	29.136	SMT	9517	277287.312	10032	292292.352
1.67	ITEM NO 67 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 31.12/253	78.18	SMT	1651	129075.18	1740	136033.2
1.68	ITEM NO 68 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 31.13/254	106.56	SMT	1717	182963.52	1809	192767.04
1.69	ITEM NO 69 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. diametre 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 dlorophyrifos 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 21.25/192	874.9	SMT	222	194227.8	234	204726.6
1.7	ITEM NO 70 Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H): 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ size 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	159.012	SMT	14107	2243182.28	14871	2364667.452

	from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated,etc complete. SSR 51.162/504						
1.71	ITEM NO.71 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size: 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4 40 mm thick and cement slurry, filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPERATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S & P.) or Equivalent. MCGM R3-RW-3-38	1785	SMT	1308	2334780	1379	2461515
1.72	ITEM NO.72 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	500	SMT	2220	1110000	2340	1170000
1.73	ITEM NO.73 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	600	SMT	1916	1149600	2019	1211400
1.74	ITEM NO.74 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 paver, compacted and finished in a continuous 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	1936	SMT	2248	4352128	2370	4588320
1.75	Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable, 30 % solids clear sealer @ 150 to 250 gms per sqm using surface roller and protecting from falling dust, dirt and curing by curing compound / by providing cement vata in cement Mortar 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete (prior approval of superintending Engineer will be necessary) SSR 54.01 / 513						

1.76	ITEM NO 75 Providing and casting in situ or precast tapering R.C.C. M-20 Semi Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering Incharge. Using Concrete Batching and Mixing Plant SSR 7.05/69	712	RMT	2842	2023504	2996	2133152
1.77	ITEM NO 76 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	397.447	SMT	1097	435999.359	1156	459448.732
1.78	ITEM NO 77 Providing and applying one coat of aluminium paint of approved make to new structural steel work in building and workshop including scaffolding if necessary, cleaning and preparing surface (excluding primer coat) etc. complete. SSR 35.05/223	120	SMT	109	13080	114	13680
1.79	ITEM NO 78 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	1080	SMT	2643	2854440	2785	3007800
1.8	ITEM NO 79 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 fluoropolymer 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 sealant, backer rods etc. overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre (SSR 51.100/378)	270	SMT	4877	1316790	5140	1387800
1.81	ITEM NO 80 Aluminium Fins - Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"x1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware, with labour inclusive. Approved MR	120	SMT	5472	656640	5768	692160
1.82	ITEM NO 81 Aluminium Fins - Providing and Fixing Horizontal fins with 100 mm x 40 mm x 3 mm thick (Triangle Concave Shape) Aluminium Angle sections powder coated of specification, distance between section will be 3-4 inches & details as per drawing. Length and with all the accessories, hardware, with labour all inclusive. Approved MR	120	SMT	5880	705600	6199	743880
1.83	ITEM NO 82 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	270	SMT	3696	997920	3896	1051920

1.84	ITEM NO.83 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	425.25	SMT	13344	5674536	14066	5981566.5
1.85	ITEM NO. 84 Providing and fixing in position UV resistant, fire retardant, virtually unbreakable and temperature resistant (+40° C to +130° C) Polycarbonate corrugated sheet of 2mm thickness for roof of approved make to match the roof profile at any height with G.I. J hooks bolts of G.I. clamps nuts & bolts or with self drilling fastener and EPDM washer etc. complete as directed. MCGM R3-CS-RW-08	100	SMT	2190	219000	2309	230900
1.86	ITEM NO.85 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. MCGM R3-CS-FL-19	18	SMT	2730	49140	2878	51804
1.87	ITEM NO.86 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.	72	SMT	7320	527040	7717	555624
1.88	ITEM NO.87 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 18 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.						
1.89	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, warping and rotting under general use. SSR 54 (9)-517						
1.9	Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm	16.2	SMT	13224	214228.8	13940	225828
1.91	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.	21.6	SMT	12073	260776.8	12726	274881.6
1.92	Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	21.6	SMT	10511	227037.6	11080	239328
1.93	ITEM NO.88 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 gauge 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	50	SMT	2027	101350	2137	106850
1.94	ITEM NO.89 SS DUSTBIN Garden 59	10	NOS	21675	216750	22848	228480
1.95	ITEM NO.90 SS 202 Grade dustbin double Garden 60	5	NOS	37949	189745	40004	200020
1.96	ITEM NO. 91 Standard Bench (Refer sketch 14) Product area 1.8 x 0.6 mts. Capacity in nos. 4 nos. Product height 0.80m MCGM GW-3-2-j	25	NOS	28406	710150	29044	748600
1.97	ITEM NO.92 Royal Bench (Refer sketch 15) Product area 1.2 x 0.6 mts. Capacity in nos. 3 nos. Product height 0.90m MCGM GW-3-2-k	25	NOS	55017	1375425	57996	1449900
1.98	ITEM NO. 93 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	150	NOS	22892	3433800	24131	3619650
1.99	ITEM NO.94 Hexagonal tree guard No. type-B. Providing, fabrication and fixing M.S. Hexagonal 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-B1 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-16-29	50	NOS	25604	1280200	26990	1349500
2	ITEM NO.95 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-	50	NOS	23188	1159400	24444	1222200

	(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						
2.01	ITEM NO.96 Providing and fixing EPDM (Rubber Mat)(Ethylene propylene diene methylene) flooring for children play area of thickness 25-30 mm above PCC as per specification provided by engineer incharge Approved MR	150	SMT	3838	575700	4045	606750
2.02	ITEM NO. 97 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR						
2.03	Gym equipment						
2.04	Forearm twirl	6	NOS	36950	221700	38951	233706
2.05	SIT up board	6	NOS	66080	396480	69658	417948
2.06	Air walker	5	NOS	89524	447620	94373	471865
2.07	8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+aerial stroller)	6	NOS	574805	3448830	605940	3635640
2.08	ITEM NO.98 Providing and laying Natural unpolished White Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 22) MCGM GW-3-1-c	46	CMT	4740	218040	4997	229862
2.09	ITEM NO 99 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM GW-3-1-c	110	CMT	1680	184800	1771	194810
2.1	ITEM NO.100 Providing and fixing Decorative themed FRP Based Gate (Sports,Musical,Historical Hero,Cultural) entrance of size as specification provided by engineer incharge complete(5 mt width) Approved MR	5	JOB	122460	612300	129093	645465
2.11	ITEM NO.101 Supplying and fixing Stone sculpture/statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	3	JOB	1950000	5850000	2055625	6166875
2.12	ITEM NO.102Providing 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, including 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	440	RMT	3200	1408000	3372	1483680

2.13	ITEM NO.103 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	3	NOS	439346	1318038	463143	1389429
2.14	ITEM NO.104 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	2900	SQ.FT	152	440800	159	461100
2.15	ITEM NO.105 P/F clear acrylic panel of size 350 mm x 250 mm with vinyl cut type and graphics etc MCGM CE4-12-13-A-F-335	20	SMT	3000	60000	3163	63260
2.16	Item No.106 P/F Mural Made In Fibre Reinforced Plastic As Per Given Art Work Of Required Sizes MCGM CE4-07-076-Ff-47a	20	SMT	13128	262560	13839	276780
2.17	Item No.107 Mural In Paint (3d) MCGM CE5-10-024- Fair1	200	SMT	9620	1924000	10140	2028000
2.18	ITEM NO.108 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 RJ3-CS-SL-13	7750	KG	291	2255250	306	2371500
2.19	ITEM NO.109 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 kg. to 20 kg. Per Sq.m.) Spec.No. As directed by Engineer- in-charge SSR 23.09/213	43.2	SMT	2646	114307.2	2789	120484.8
2.2	ITEM NO.110 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 40.06/329	165	RMT	1538	253770	1620	267300
2.21	ITEM NO.111 Double Side Pvc Coated waterproof And Sunshed Tensile Fabric. Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fittings Approved MR	50	SMT	7800	390000	8223	411150
2.22	ITEM NO.112 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	125	LETTERS	3420	427500	3605	450625
2.23	ITEM NO.113 Providing and fixing MBMC Logo on entrance gate Approved MR	5	NOS	33600	168000	35420	177100
2.24	ITEM NO.114 Providing and fixing stainless steel Name Board on gate/Building including LED backlight complete as per drawing. size (6mx1m) Approved MR	5	NOS	198000	990000	208725	1043625
2.25	ITEM NO.115 Providing and installation decorative Sculpture, ht of structure - 6ft wide 4 ft ht made of R.S.C.R. (Fibre) material with double PU gloss or matt finished coating with approved design complete as per specification provided by engineer incharge.(Including fabrication) Approved MR	6	JOB	171600	1029600	180895	1085370
2.26	ITEM NO.116 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	10	NOS	644	6440	679	6790

	As directed and earth filling in the depression/pit if any SSR 2.01/23						
2.27	ITEM NO 117 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	10	NOS.	1068	10680	1125	11250
2.28	ITEM NO 118 Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area. SSR 2.07/23	8000	SMT	6	48000	5	40000
2.29	ITEM NO 119 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	410	RMT	1699	696590	1790	733900
2.3	ITEM NO 120 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	615	RMT	1872	1151280	1972	1212780
2.31	ITEM NO 121 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	410	RMT	7514	3080740	7920	3247200
2.32	ITEM NO 122 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 750 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 22.32/167	615	RMT	9528	5859720	10044	6177060
2.33	ITEM NO 123 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	50	NOS.	938	46900	988	49400
2.34	ITEM NO 124 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	1025	RMT	101	103525	106	108650
2.35	ITEM NO 125 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.	140	RIG HRS	1807	252980	1905	266700

	complete and disposing of the unserviceable materials outside complete. SSR 22 40 / 169						
2.36	ITEM NO 126 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	150	RIG HRS	2891	313650	2204	330600
2.37	ITEM NO 127 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	1	NOS	222688	222688	234750	234750
2.38	ITEM NO 128 Carrying out load test for 1.5 times the proposed safe working load on the pile in driven position above 650 mm and upto 750 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 46/170	1	NOS	280240	280240	295419	295419
2.39	ITEM NO 129 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 separately as per relevant items) all complete as per specification and as directed by the engineer-in-charge. MCGM RJ-CS-PLG-14						
2.4	600 mm MCGM RJ-CS-PLG-14.3	20	NOS	3300	66000	3479	69580
2.41	750 mm MCGM RJ-CS-PLG-14.4	30	NOS	4620	138600	4870	146100
2.42	ITEM NO 130 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)	150	CMT	11330	1699500	11943	1791450
2.43	ITEM NO 131 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material of Ambuja / Mor Chap or equivalent make) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc complete SSR 32 30/211	5537.44	SMT	721	3992494.24	760	4208434.4
2.44	ITEM NO 132 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	30	SMT	11868	356040	12511	375330
2.45	ITEM NO 133 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	1665	SMT	2229	3711285	2350	3912750

	25 x 50 mm maximum center to center distance of 600 millimetre perimeter channel and intermediate channels at maximum center to center distance 1200 millimetre 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 millimetre 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						
2.46	ITEM NO.134 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 1/2" (50 mm x 40 mm) weighing 0.39 Kilogram/m at 60 cms center center and fixed with 1/2" x 1/2" (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 1/2" (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	1879.48	SMT	3236	6081997.28	3411	6410906.28
2.47	ITEM NO.135 Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegalur) Edge Tiles of size 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance 785%, 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 precast 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	467.73	SMT	3628	1696924.44	3824	1788599.52
2.48	ITEM NO.136 BAFFLE WOODEN 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	190	SMT	18780	3568200	19797	3761430
2.49	ITEM NO.137 Providing and fixing Designer Fabric ceiling with finish Approved MR Spec. As directed by Engineer-in-Charge.	95	SMT	18480	1755600	19481	1850695
2.5	ITEM NO.138 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	50	SMT	1599	79950	1686	84300

	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						
2.51	ITEM NO 139 Providing and fixing in position cement sheet having thickness 12 mm in provided Frame/Brick wall/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	80	SMT	1097	87760	1156	92480
2.52	ITEM NO 140 Providing, fixing transporting and lifting upto 75ft of 80/114 mm corrugated Jinroc Roof Panel. Continuous line Mineralwool / Rockwool insulated corrugated panel having trapezoidal profile with max crest height of 34mm at maximum pitch of 250mm with Top & Bottom 0.5mm TCT PPGI sheet. The stonewool insulation shall be non-combustible grade of density 100 Kg/m ³ with permissible tolerance as per IS 8183 and core shall be certified by 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 1000°C 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	90	SMT	7931	713790	8360	752400
2.53	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						
2.54	ITEM NO 141 Providing and Fixing Roller 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	256.5	SMT	2712	695628	2858	733077
2.55	ITEM NO 142 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	24	SMT	1292	31008	1361	32664
2.56	ITEM NO 143 Providing & fixing Curtains as per drapery details. Including curtain rods & accessories. Spec. As directed by Engineer-In-Charge. Approved MR	81	SMT	2160	174960	2277	184437

2.57	ITEM NO. 144 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 & greenguard (gold) Indoor Air quality & children & school certified. Fabric composition - 39% Polyester / 61% PVC with aluminum 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	6	SMT	1970	11820	2076	12456
2.58	ITEM NO 145 Providing and fixing Internal image ss brush finish 2 mm thick Spec. As directed by Engineer-In-Charge. Approved MR	90	NOS	2880	259200	3036	273240
2.59	ITEM NO 146/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	150	Letter	3540	531000	3732	559800
2.6	ITEM NO 147 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/off/white laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	466.5	SMT	22200	10356300	23403	10917499.5
2.61	ITEM NO 148 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, entire storage in powder coated finish with 60 to 80 microns, with 25 mm thk. as per drawing. SSR 51.36	8	NOS	19470	155760	20524	164192
2.62	ITEM NO.149 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, entire storage in powder coated finish with 60 to 80 microns as as per drawing. SSR 51.37	5	NOS	23846	119230	25137	125685
2.63	ITEM NO 150 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	30	NOS	54719	1641570	57682	1730460

2.64	ITEM NO 151 Providing and fixing Podium with acrylic finish. Approved MR Spec. As directed by Engineer-In-Charge	6.48	SMT	32196	208630.08	33940	219931.2
2.65	ITEM NO 152 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	803.488 8	SMT	9360	7520655.17	9867	7928023.99
2.66	ITEM NO 153 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	673.326 6	SMT	11760	7918320.82	12397	8347229.86
2.67	ITEM NO 154 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	570.486 6	SMT	5784	3299694.49	6097	3478256.8
2.68	ITEM NO 155 Providing and applying Wallpaper premium Quality Approved MR Spec. As directed by Engineer-In-Charge	109.5	SMT	1980	216810	2087	228526.5
2.69	ITEM NO 156 Providing and supplying Banquet chairs with cushion of approved color, Complete as per specification provided by engineer incharge Approved MR	530	NOS	3600	1908000	3795	2011350
2.7	ITEM NO 157 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 heading wherever required. All metal work shall be Epoxy Polyester 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 Polyester Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-30	22	NOS	15000	330000	15813	347886
2.71	ITEM NO 158 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	10	NOS	18600	186000	19608	196080

	polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs.300/m with necessary heading wherever required. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-29						
2.72	ITEM NO 159 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 Polyester Powder Coated. The chair shall be Ergonomic 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 Polyester Powder Coated and as directed by Architect in charge. MDGM - R3-CS-FUR-32	35	NOS	11400	399000	12018	420630
2.73	ITEM NO 160 Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Chrome finish and seats in silver powder coating finish SSR 51.44	12	NOS	22751	273012	23983	287796
2.74	ITEM NO 161 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	38.16	SMT	3998	152563.68	4215	160844.4
2.75	ITEM NO 162 Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm Teakwood planks 100 x 800 having tongue & groove 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	102	SMT	10351	1055802	10912	1113024
2.76	ITEM NO 163 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 moulding and hardware 5 mm thick toughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc. complete. Antitermite treatment 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	7	NOS	48615	340305	31248	358736
2.77	ITEM NO 164 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) + 0.60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite	3.1	SMT	81360	414936	85767	437411.7

	laminare 0.8 mm thk. All wooden surfaces finished with melamine polish, etc. complete location-atrrium Approved MR Spec. As directed by Engineer-In-Charge						
2.78	ITEM NO 165 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 land having steel arms at the side, available in the following option etc. complete. MCGM R3-CS-FUR-16						
2.79	3 seater R3-CS-FUR-16-c	3	NOS	19052	57156	20083	60249
2.8	ITEM NO 166 Providing and fixing Sofa-3 seater with upholstery (office) Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	75000	225000	79063	237189
2.81	ITEM NO 167 Providing and fixing Sofa-2 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	39000	117000	41113	123339
2.82	ITEM NO 168 Providing and fixing Sofa-1 seater with upholstery Approved MR Spec. As directed by Engineer-In-Charge	3	NOS	22200	66600	23403	70209
2.83	ITEM NO 169 Providing and fixing Full Height Wooden Partitions- Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughened glass, necessary support frames as directed. Finishing complete in all respects with melamine polish to all surfaces & beads, etc. as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge	227.4	SMT	19800	4502520	20873	4746520.2
2.84	ITEM NO 170 DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE 1 Supply and installation of Demountable Modular Aluminium Frame Glass Partition, Single glazed system comprising of 10mm Toughened 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	15	SMT	9900	148500	10436	156540
2.85	ITEM NO 171 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 conforming to IS 303 / IS 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	195	SMT	8724	1701180	9197	1793415
2.86	ITEM NO 172 Providing and fixing Partly glazed Sliding folding Partition wooden partition with veneer and melamine polish including mechanism Approved RA	90	SMT	22320	2008800	23529	2117610

2.87	ITEM NO.173 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 combination 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	4.8	SMT	9947	47745.6	10485	50328
2.88	ITEM NO.174 Providing and fixing double/single leaf wooden shutter for partly paneled partly glazed door 35mm 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 veneer/laminate etc. including mouldings complete. (Without frame) Approved MR	46.44	SMT	19800	919512	20873	969342.12
2.89	ITEM NO.175 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 prelam particle board attached to the base unit. The mirror size considered is 1155 x 360 x 4(I). The mirror has been pasted using high quality 3M sticker SSR - 51.56	1	NOS	21864	21864	23048	23048
2.9	ITEM NO.176 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.	0.72	SMT	22200	15984	23403	16850.16
2.91	ITEM NO.177 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 hardware have been considered as required. SSR NO - 51.57	1	NOS	50891	50891	53647	53647

2.92	ITEM NO 178 Providing and fixing netting and in Archery Centre - stops all arrow types. Prevent lost and broken arrows. Extremely low penetration on ultra-thin carbon arrows and carbon arrows with thicker diameters. This backstop netting is delivered in a set complete with plastic hooks, assembly and operating instructions as well as a steel rope coated with PVC. Height: 3 meters (10 feet) (Dimension Tolerance 5%) Length: 4 meters (13 feet) (Dimension Tolerance 5%) Color: green. Accessories: 14 plastic hooks, 4.5-metre steel rope, operating and assembly instructions per specification provided by engineer in charge. Approved MR	38	SMT	3180	120840	3352	127376
2.93	ITEM NO.179 Providing and Supplying Archery target As per specification and drawing provided by the engineer in charge Approved MR	6	NOS	8400	50400	8855	53130
2.94	ITEM NO 180 Providing and Supplying Table for Equipments As per specification and drawing provided by the engineer in charge Approved MR	6	NOS	14640	87840	15433	92598
2.95	ITEM NO.181 Providing and fixing Gymnastic Equipment Complete per olympic size and standards as per Specification and drawings provided by the Engineer in Charge Approved MR						
2.96	Iron Gymnastic Spring Board	1	NOS	82620	82620	87095	87095
2.97	Vaulting Table Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	1	NOS	90720	90720	95634	95634
2.98	Vaulting BOX Made of seasoned wood and coated with clear PU	1	NOS	114372	114372	120567	120567
2.99	Gym Bench - Classic Made of seasoned wood and coated with clear PU	1	NOS	45846	45846	48329	48329
3	Gymnastic Parallel Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Connection lock allows 360 degree Swivelling, which prohibits rattling & movement. Bars made of fibreglass covered with wood. Height adjustment	1	NOS	141426	141426	149087	149087
3.01	Gymnastic Balance Beams Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Height adjustment. Double lock height adjustment system for safety. Top covered with non-slip fabric	1	NOS	86022	86022	90682	90682
3.02	Vaulting Horse Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	1	NOS	45846	45846	48329	48329
3.03	Pommel Horse Legs are made of heavy steel, pommel made of wood and top made of thick cushion covered with non-tearing PVC coated fabric. Height is adjustable	1	NOS	57348	57348	60454	60454
3.04	Uneven Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Bars made of fibreglass covered with wood. Lower bar adjusts. Upper bar adjusts from. Includes easy adjustable cables with tensioners	1	NOS	141426	141426	149087	149087
3.05	Horizontal Bar Uprights made of Heavy Duty POWDER COATED Steel. Pistons made of Heavy Steel & hot galvanized for longer life. Horizontal bar made of Stainless Steel mounted on column's head. Includes cables. Height adjustable from 175 cm to 285 cm with variation of 5 cm	1	NOS	63018	63018	66431	66431
3.06	Trampoline - Elos						

3.07	Gymnastic Ring Tower						
3.08	Swiss Ball						
3.09	BARBELLS WITH various WEIGHT						
3.1	CLIMBING ROPES (WHITE JUTE)						
3.11	Wall Bar						
3.12	Gymnastic Mat Foldable 2-3"	1	NOS	40500	40500	42694	42694
3.13	Balance Beam Safety Wrap	1	NOS	48600	48600	51233	51233
3.14	COLUMN & CORNER PAD	1	NOS	12960	12960	13662	13662
3.15	NON-FOLDING COMPETITION LANDING MAT	1	NOS	100440	100440	105881	105881
3.16	Tumbl Trak Gymnastic						
3.17	Res-Pit						
3.18	3/4 SECTION TRAPEZOID TRAINER						
3.19	ITEM NO 182 Providing and fixing Librarian table (1.8m x 75m) made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. Spec. As directed by Engineer-In-Charge. Approved MR Spec. As directed by Engineer-In-Charge	1	NOS	48600	48600	51233	51233
3.2	ITEM NO 183 Providing and fixing Issue Counter table (3.05 m x 0.75m) - 0.60 m width for main counter made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. location- Library area Approved MR Spec. As directed by Engineer-In-Charge	3	SMT	44196	132588	46590	139770
3.21	ITEM NO 184 Providing and supplying Book rack straight with white laminate finish inside and exterior designer laminate finish and as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge	45	SMT	30600	1377000	32258	1451610
3.22	ITEM NO 185 Providing and supplying standard Reading chairs as shown in the drawings. Approved MR. Spec. As directed by Engineer-In-Charge.	120	NOS	5400	648000	5693	683160
3.23	ITEM NO 186 Providing and supplying Reading table- Type 01 (size- 075 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge	10	NOS	31188	311880	32877	328770
3.24	ITEM NO 187 Providing and supplying Reading table-Type 02 (size- 1.50 M x 1.05 M) - MS frame and made of 18 mm thk plywood including table top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge	30	NOS	34200	1026000	36053	1081590
3.25	ITEM NO 188 Providing and fixing Ledge (2.10 M x 0.30 m) made of 18 mm thk plywood with veneer finish As directed by Engineer-In-Charge. Approved MR	20	RMT	9000	180000	9488	189760
3.26	ITEM NO 189 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	8	NOS	72000	576000	75900	607200

3.27	ITEM NO 190 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	4	NOS	144000	576000	151800	607200
3.28	ITEM NO.191 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	2	NOS	420000	840000	442750	885500
3.29	ITEM NO 192 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. Spec. As directed by Engineer-In-Charge. RA	50	RMT	2200	110000	1000	50000
3.3	ITEM NO.193 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	15	NOS	330	4950	348	5220
3.31	ITEM NO.194 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm,HDMI port, USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specification provided by engineer in charge. Approved MR	6	NOS	216000	1296000	227700	1366200
3.32	ITEM NO.195 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specification provided by engineer in charge. Approved MR	2	NOS	972000	1944000	1024650	2049300
3.33	ITEM NO.196 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia. UPVC overflow pipe ,mosquito-proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete (prior approval of sample and brand by Ex. Engineer is necessary before use)(SSR 43.19	30	Nos.	14611	438330	15402	462060
3.34	ITEM NO 197 Providing and fixing Orissa type white glazed earthenware water closet pan of size 260mm x 440mm x 580mm with approved make Slim wall hung cistern with installation kit including S or P trap with cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc complete. SSR 48.42/316	10	Nos.	4232	42320	4460	44600
3.35	ITEM NO 198 Providing and fixing C.P.Two way BIB cock jaquar make or equivalent continental including necessary sockets/union nut etc. complete. SSR 42.80	40	Nos.	1839	73560	1938	77520
3.36	ITEM NO 199 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	40	Nos.	971	38840	1023	40920

3.37	ITEM NO.200 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water pillar taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing etc. complete. SSR 41.69	5	Nos.	8156	40780	8398	42990
3.38	ITEM NO.201 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	20	Nos.	25061	501220	26418	528360
3.39	ITEM NO.202 Providing and fixing C.P. Angular stop cock with wall flange continental (CAT.NO. CON-059) including necessary sockets/union nut etc. complete. SSR 42.79	15	Nos.	3386	50790	3569	33534
3.4	ITEM NO. 203 Supplying, erecting, testing and commissioning self contained water cooler 230/250 Volts 50 cycles nominal cooling capacity of 150 litres per hour and storage capacity 150 litres with partially stainless steel body as per specification No. AP-WCR/WC CSR 3-3-10	3	Nos.	64024	192072	67492	202476
3.41	ITEM NO.204 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	10	Nos.	4984	49840	5253	52530
3.42	ITEM NO.205 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalent make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face of wall. SSR 41.61	12	Nos.	6033	72396	6360	76320
3.43	ITEM NO. 206 Providing and fixing 10 cm rigid PVC Nahani trap with grating etc. complete as per engineer in charge SSR 42.67	40	Nos.	680	27200	716	28640
3.44	ITEM NO.207 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						
3.45	a) 15mm dia SSR 42.55	120	Rmt.	336	40320	353	42360
3.46	b) 20mm dia SSR 42.56	150	Rmt.	391	58650	412	61800
3.47	c) 25mm dia SSR 42.57	250	Rmt.	473	118250	498	124500
3.48	d) 32 mm dia SSR 42.58	260	Rmt.	544	141440	572	148720
3.49	e) 40 mm dia SSR 42.59	250	Rmt.	680	170000	716	179000
3.5	f) 50 mm dia SSR 42.60	110	Rmt.	934	102740	984	108240
3.51	ITEM NO.208 Supplying and erecting ISI mark GI pipe 32 mm dia. 'C' class at position with accessories complete as per specification no. CW-PLB/GP, CSR 16-5-10	60	Rmt.	486	29160	512	30720

3.52	ITEM NO 209 Supplying and erecting ISI mark GI pipe 40 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP, CSR 16-5-11.	60	Rmt.	554	33240	583	34980
3.53	ITEM NO 210 Supplying and erecting ISI mark GI pipe 50 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP, CSR 16-5-12.	60	Rmt.	816	48960	860	51600
3.54	ITEM NO 211 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.	10	Nos.	1148	11480	1209	12090
3.55	ITEM NO 212 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.	10	Nos.	1512	15120	1594	15940
3.56	ITEM NO 213 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.	5	Nos.	1772	8860	1867	9335
3.57	ITEM NO 214 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.	3	Nos.	1829	5487	1928	5784
3.58	ITEM NO 215 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.	1	Nos.	1061	1061	1118	1118
3.59	ITEM NO 216 Providing and fixing 50mm diameter water meter with non-return valve including strainer, sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41.30.	3	No.	19595	58785	20656	61968
3.6	ITEM NO 217 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.93.	120	Rmt.	656	78720	691	82920
3.61	ITEM NO 218 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.94.	120	Rmt.	910	109200	959	115080
3.62	ITEM NO 219 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.	150	Rmt.	544	81600	572	85800
3.63	ITEM NO 220 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.	150	Rmt.	749	112350	789	118350
3.64	ITEM NO 221 Providing and making lead joints for 150mm diameter cast iron pipe line including lead and testing. SSR 41.06.	15	Rmt.	1124	16860	1185	17775
3.65	ITEM NO 222 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67.	10	Nos.	680	6800	716	7160

3.66	ITEM NO 223 Providing and fixing 15cm x 10cm 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	5	Nos.	2016	10080	2125	10625
3.67	ITEM NO 224 Providing and fixing Ductile iron manhole cover of light/medium/heavy duty with frame of any size over inspection chamber etc. complete (Prior permission of S.E. is to be obtained before inclusion of this item in the estimate) SSR 50.30	300	Kg.	95	28500	100	30000
3.68	ITEM NO 225 Providing and fixing Ductile iron Man Hole Covers/ Storm 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 Superintending Engineer. SSR 50.85						
3.69	300 mm wide (drain channel)	300	Kg.	363	108900	383	114900
3.7	450 mm wide (drain channel)	150	kg.	363	54450	383	57450
3.71	ITEM NO 226 Supplying, erecting, testing and commissioning of minimum three & above star rated 3 phase, 415 V, 50 Hz, submersible pump set of 7.5 kW/10HP suitable for erection on open well, pump having delivery head from 60 to 28 m and discharge from 120 to 840 litres per minute & 65 mm suction/50 mm delivery dia. as per specification no. WP-OSP. CSR 12-3-7	4	Nos.	52056	208224	54876	219504
3.72	ITEM NO 227 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 230 V, single phase, 50 Hz, A.C. supply of 0.375 kW/0.5 HP with discharge 36/9 lpm for head of 6/21 m & 25 mm suction/25 mm delivery pipe on provided CC foundation as per specification no. WP-CGP. Domestic & Flushing Pumps (Flow Rate 70 LPM & 20 M head) CSR 12-1-1	2	Nos.	6575	13150	6931	13862
3.73	ITEM NO 228 Providing and fixing gun metal Y Strainer confirming to IS and tested to a pressure not less than, including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required. 25 mm dia SSR Pag NO. 534 ITEM NO 128	2	Nos.	391	782	412	824
3.74	ITEM NO 229 Providing and fixing gun metal Y Strainer confirming to IS and tested to a pressure not less than, including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required. 50 mm dia SSR Pag NO. 534 ITEM NO 124	2	Nos.	1112	2224	1172	2344
3.75	ITEM NO 230 Providing and fixing gun metal Non Return Valve confirming to IS 778 and tested to a pressure not less than 10 Kg/cm ² , including rubber gasket, flanges, unions, nuts, bolts and washers etc complete as required. 50 mm dia SSR Pag NO. 539 ITEM NO 347	2	Nos.	3343	6686	3524	7048
3.76	ITEM NO 231 Providing and fixing gun metal ball valves confirming to IS 1703 with threaded/flanged joints complete with nuts, bolts, gaskets etc. 50 mm dia SSR Pag NO. 538 ITEM NO 294	2	Nos.	2013	4026	2121	4242
3.77	ITEM NO 232 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body. CSR 12-4-28	2	Nos.	496	992	522	1044

3.78	ITEM NO 233 Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres. SSR 42-54	10000	Litre	14	140000	15	150000
3.79	ITEM NO 234 Supplying, erecting, testing and commissioning of automatic control panel for three phase, 415 V, A.C. supply submersible/centrifugal pump set upto 20 HP consisting of star delta starter having relay range 28-42 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 12-4-22	1	Nos.	20493	20493	21602	21602
3.8	ITEM NO 235 Supplying & erecting flat flexible 3 core 4 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete. CSR 12-4-9	150	Rmt.	232	34800	244	36600
3.81	ITEM NO 236 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 6 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 7-1-27	180	Rmt.	185	33300	195	35100
3.82	ITEM NO 237 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 7-6-10	20	Rmt.	292	5840	307	6140
3.83	ITEM NO 238 Supplying and erecting ultra violet water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity, choke made of copper wire, two indicator lamps, dual function cartridge with output of purified water 1 litre/min with activated carbon filter and softener operating on 230 V single phase AC supply with UV fail & filter change indication system. CSR 3-5-2	2	Nos.	9196	18392	9694	19388
3.84	ITEM NO 239 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body. CSR 12-4-28	4	Nos.	496	1984	522	2088
3.85	ITEM NO 240 R.C.C pipe Np2 class 225mm dia. 2m longSSR PAGE NO- 541 ITEM NO- 854	150	Mtr	494	74100	521	78150
3.86	ITEM NO 241 Providing soak pit of size 120 cm x 120 cm x 120 cm including excavating and filling with brick-bats. SSR 42-19	4	Nos.	3720	14880	3921	15684
3.87	ITEM NO 242 Supplying, erecting, testing & commissioning static energy meter with 240V 50 Hz. AC supply 5 to 30 A, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh, V, I, PF, frequency, kW, kVA, six months history of energy & MD in kW & kVA) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weatherproof PVC wires duly tested by electric supply company. CSR 6-5-1	8	NO.	3378	27024	3561	28488
3.88	ITEM NO 243 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	8	NO.	1128	9024	1189	9512

3.89	ITEM NO.244 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 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 5-4-9	8	NO.	1600	12800	1686	13488
3.9	ITEM NO.245 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-9	8	NO.	3815	30520	4021	32168
3.91	ITEM NO.246 Supplying, erecting & marking DP 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 5-3-6	8	NO.	642	5136	677	5416
3.92	ITEM NO. 247 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection provided on iron/GI frame as per specification no. SW-MCBDB CSR 5-4-11	8	NO.	1926	15408	2030	16240
3.93	ITEM NO 248 Supplying, fixing and commissioning 2 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-10	5	NO.	4046	20230	4264	21320
3.94	ITEM NO.249 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	45	NO.	209	9405	220	9900
3.95	ITEM NO.250 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable, 1100 V 3 core 4 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 7-1-8	150	RMT.	149	22350	157	23550
3.96	ITEM NO 251 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	3050	RMT.	86	262300	90	274500
3.97	ITEM NO 252 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	1860	RMT.	56	104160	58	107880
3.98	ITEM NO 253 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/BWCSR 1-3-3	850	RMT.	119	101150	125	106250
3.99	ITEM NO.254 Supplying & erecting mains with 3x10 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 1-3-9	300	RMT.	467	140100	492	147600

4	ITEM NO 255 Supplying & erecting mains with 4x16 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 1-3-10	200	RMT.	957	191400	1008	201600
4.01	ITEM NO 256 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	1500	RMT.	125	187500	132	198000
4.02	ITEM NO 257 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	1500	RMT.	108	162000	114	171000
4.03	ITEM NO 258 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	2000	RMT.	140	280000	147	294000
4.04	ITEM NO 259 Supplying & laying HMS PVC conduit 25mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-10	300	RMT.	123	36900	129	38700
4.05	ITEM NO 260 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	300	RMT.	184	55200	194	58200
4.06	ITEM NO 261 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	150	RMT.	167	25050	176	26400
4.07	ITEM NO 262 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL. CSR 2-3-19	85	NO.	7338	623730	7735	657475
4.08	ITEM NO 263 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. CSR 2-3-20	65	NO.	8201	533065	8645	561925
4.09	ITEM NO 264 Supplying and erecting LED square / circular Max. 14 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1500 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD0.95, 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	420	NO.	1469	616980	1548	650160

	specification No. FG-IDF/LED CSR 2-1-4						
4.1	ITEM NO. 265 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/CSR 2-3-2	40	NOS	2564	102560	2702	108080
4.11	ITEM NO.266 Providing & erecting 3 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-9	40	NO	12663	506520	13348	533920
4.12	ITEM NO.267 Supplying & erecting watertight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 200 x 150 x 150 mm, complete on pole as per specification No. CB-SB CSR 7-8-2	5	NO.	584	2920	615	3075
4.13	ITEM NO.268 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 (IP Rated Out Door Quality) CSR 2-1-10	40	NOS	2267	90680	2390	95600
4.14	ITEM NO.269 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 CSR 2-1-12	50	NOS	2298	114900	2422	121100
4.15	ITEM NO.270 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG-ODF/PTL CSR 2-4-3	50	NOS	2056	102800	2167	108350
4.16	ITEM NO.271 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FGODF/PTL(Fixed on ground/Walls) CSR 2-4-4	50	NOS	1971	98550	2077	103850
4.17	ITEM NO.272 LED type Solar street light fixtures with heat sink for LED,crystalline/ polycrystalline silicon solar PV modules, suitable size of maintenance free battery along with 5.5 mtr , 65mm dia GI pole with civil foundation, base plate, nut , bolts etc and all accessories required for completing installation as per specification MCGM R3-ME-5-6 Solar street light of 24 Watt LED MCGM R3-ME-5-6-e	40	NOS	54849	2193960	57819	2312760
4.18	ITEM NO.273 Supplying and erecting Gate / garden light fitting with 200mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT CSR 2-4-1	25	NOS	755	18875	796	19900

4.19	ITEM NO. 274 Supplying and erecting Gate / garden light fitting with 300mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-2	25	NOS	1164	29100	1227	30675
4.2	ITEM NO. 275 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple 0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50, IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-19	30	NO.	1691	50730	1782	53460
4.21	ITEM NO. 276 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD 0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-2	50	NO.	797	39850	840	42000
4.22	ITEM NO. 277 Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/FL. CSR 2-3-17	15	NOS	12429	186435	13102	196530
4.23	ITEM NO. 278 Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/FL.(Beam Type) CSR 2-3-18	15	NOS	21192	317880	22340	335100
4.24	ITEM NO. 279 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 Direct light outdoor floodlight Colour temperature [K] 3000 MCGM R3-ME-4-1-1	20	NOS	10365	207300	10926	218520
4.25	ITEM NO. 280 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 Hshaped aluminum profile. MCGM R3-ME-4-3-f	10	NOS	26652	266520	28096	280960

4.26	ITEM NO.281 SITC of IP67 flexible 24 V linear LED stripColor temperature (CCT) MCGM R3-ME-4-34-h	50	RMT.	8884	444200	9365	468250
4.27	ITEM NO. 282 Supplying and erecting Energy Saving Ceiling fan of 3 star rating as per BEE 230 V.A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF CSR 2-9-19	10	NO.	2261	22610	2383	23830
4.28	ITEM NO.283 Supplying and erecting Energy Saving BLDC Ceiling fan 230 V.A.C. 50 cycles 1400 mm, Max. Energy Consumption of 28W having service ratio (CMM/W) of Min. 8, PF>0.9, THD<10% with IR remote control, Temperature Rise of Max. 40 deg C, having external mounted control PCB completely erected in position as per specification no. FG-FN/CF. CSR 2-9-23	40	NOS	5790	231600	6104	244160
4.29	ITEM NO 284 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch boardCSR 2-10-9	50	NO	230	11500	242	12100
4.3	ITEM NO 285 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia. or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab. CSR 2-10-5	10	NO	224	2240	235	2350
4.31	ITEM NO 286 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	10	Rmt.	290	2900	305	3050
4.32	ITEM NO 287 Point wiring for ceiling fan concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR 1-7-6	200	NO	1041	208200	1097	219400
4.33	ITEM NO 288 Point wiring for light/bell concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR 1-7-5	200	NO	938	187600	988	197600
4.34	ITEM NO 289 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/ SW CSR 1-7-7	200	NO	1066	213200	1123	224600
4.35	ITEM NO 290 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/SW CSR 1-7-7	50	NO	1066	53300	1123	56150
4.36	ITEM NO 291 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	50	NO	1128	56400	1189	59450

4.37	ITEM NO.292 Supplying and erecting modular type switch 6A/10A on provided plate and box with wiring connections complete CSR 1-6-1	250	NO.	87	21750	91	22750
4.38	ITEM NO.293 Supplying and erecting modular type switch 16A on provided plate and box with wiring connections complete CSR 1-6-2	20	NO.	130	2600	137	2740
4.39	ITEM NO.294 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base/flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate with S M screws and duly connected. CSR 1-5-3	40	NO.	60	2400	63	2520
4.4	ITEM NO.295 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate With S M screws and duly connected. CSR 1-5-4	10	NO.	81	810	85	850
4.41	ITEM NO.296 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete CSR 1-6-11	15	NO.	224	3360	235	3525
4.42	ITEM NO.297 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	10	Nos.	545	5450	574	5740
4.43	ITEM NO.298 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	10	Nos.	278	2780	292	2920
4.44	ITEM NO.299 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	8	Nos.	281	2248	296	2368
4.45	ITEM NO.300 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner. CSR 1-6-36	10	Nos.	323	3230	340	3400
4.46	ITEM NO.301 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	20	Nos.	467	9340	492	9840
4.47	ITEM NO.302 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	20	Nos.	653	13060	688	13760

4.48	ITEM NO.303 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	10	Nos.	737	7370	777	7770
4.49	ITEM NO.304 Supplying and erecting ceiling rose/ button holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	20	NO.	52	1040	54	1080
4.5	ITEM NO. 305 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	200	Rmt.	359	71800	378	75600
4.51	ITEM NO.306 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	250	RM	478	119500	503	125750
4.52	ITEM NO.307 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	210	RM	1041	218610	1097	230370
4.53	ITEM NO.308 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3% 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 CSR 7-1-16	180	RM	357	64260	376	67680
4.54	ITEM NO.309 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3 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 (Wire Armoured) CSR 7-1-12	50	RM	261	13050	275	13750
4.55	ITEM NO. 310 Supplying, erecting, testing & commissioning of 3kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf, single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	5	Nos	61558	307790	64892	324460
4.56	ITEM NO.311 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete, for 30 mins battery backup CSR 3-8-12	20	Nos	11459	229180	12079	241580
4.57	ITEM NO.312 Supplying & erecting mains with 3x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/ trunking /inside pole/bun bars or any other places as per specification no. WG-MA/BW CSR 1-3-7	300	Rmt.	179	53700	188	56400
4.58	ITEM NO. 313 Supplying and erecting GI earth conductor of required sizes used for earthing or any other	8	KG	202	1616	213	1704

	purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete CSR 9-2-5						
4.59	ITEM NO. 314 Supplying, installing and testing earthing with copper earth plate size 30 x 30 x 0.315 cm complete with all accessories of copper materials & recording the results as per specification no. EA-EP CSR 9-1-2	8	NO.	8020	64160	8454	67632
4.6	ITEM NO. 315 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 CSR 9-1-4	20	NO.	1845	36900	1944	38880
4.61	ITEM NO. 316 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	150	Rmt.	478	71700	503	75450
4.62	ITEM NO 317 Supplying, installing, testing and commissioning of 1 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 12 V pure sine wave solar power inverter (THD<3%), SPV Modules (335 WP X 03 Nos.), C-10 rated lead acid battery bank 12 V, 400 Ah / (12V, 100 Ah x 4 nos.) suitable for 4 Hours backup with suitable MS powder coated stand to hold battery bank and keeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar inverter in casing and capping, display board, sign board, two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFGCSR 4-4-1	15	NO.	90915	1363725	95839	1437585
4.63	ITEM NO.318 Supplying, erecting, testing and commissioning of diesel generating set with alternator of 10 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 of 2.4 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 of 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 40 ltr etc., on provided M20 grade CC foundation as per specification No. GEN-DG CSR 11-1-3	2	NO.	344069	688138	362706	725412
4.64	ITEM NO. 319 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of upto 10 kVA capacity single/three phase, 230/415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF. CSR 11-2-1	2	NO.	33027	66054	34815	69630
4.65	ITEM NO 320 Supplying, installing, testing & commissioning of 8/10 Ch. Network Video Recorder (NVR),	5	NO.	14990	74950	15801	79005

4.65	suitable for 2 MP cameras only with HDMI/VGA outputs provided HDMI output of 4K resolution or VGA output with output up to 1920x1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 80Mbps with minimum 2 SATA Hard Disks, ANR Technology, 2 SATA interfaces for 2 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 4/1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface, support multi brand network Cameras, ONVIF conformance, Multiple network monitoring: Web viewer, support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RoHS, UL, CE, FCC certified, duly erected in provided U Rack with wiring connections, tagging and programming etc complete as per specifications no. CCTV-NVR CSR 19-6-12						
4.66	ITEM NO. 321 Supplying & erecting of High definition 4/5 Megapixel IP IR Bullet Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 2592 x 1520 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 : 50m, Lens Type : 2.8/4.6 mm Lens, fixed focal, 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 - 50m 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 CSR 19-6-2	20	NO	12892	257840	13590	271800
4.67	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						
4.68	ITEM NO. 322 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable with rodent proof and anti termite jacket suitable for networking compliant with ANSI/TIA-568 2-D standards in provided conduit/casing-capping as	400	Rmt.	166	66400	175	70000

	per specification no. WG-ELVC/NC CSR 19-3-6						
4.69	ITEM NO. 323 Supplying and fixing 3 m 24 AWG multi stranded, UTP patch cord of enhanced cat 6A type, compliant ANSI/TIA-568.2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-21	5	NO.	482	2410	507	2535
4.7	ITEM NO. 324 Supplying, erecting & terminating 15 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete CSR 19-1-24	5	NO.	6390	31950	6736	33680
4.71	ITEM NO. 325 Supplying & erecting 32" professional LED Monitor with 1920*1080 (FullHD) 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-MONCSR 19-6-23	5	NO.	28883	144415	30447	152235
4.72	ITEM NO. 326 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568 C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	4	NO.	13221	52884	13937	55748
4.73	ITEM NO. 327 Supplying and erecting stainless steel single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-36	3.00	Nos.	7,308.00	21924	7704	23112
4.74	ITEM NO. 328 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-FA/HV CSR 13-8-2	3.00	Nos.	8,428.00	25284	8884	26652
4.75	ITEM NO. 329 Supplying and erecting stainless steel branch pipe 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specifications no. FF CSR 13-8-8	3.00	Nos.	2,434.00	7302	2565	7695
4.76	ITEM NO. 330 Supplying and erecting G.I. pipe 'C' class ERW 100 mm dia 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 CSR 13-6-8	180.00	Mtr.	1,968.00	354240	2075	373500
4.77	ITEM NO. 331 FIRE BOOSTER PUMP: 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/C.I 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,	3	Nos.	55142	165426	58128	174384

	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						
4.78	ITEM NO.332 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	3	Non	7727	23181	8145	24435
4.79	ITEM NO.333 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/ELSCSR 13-7-5	3	Non	5514	16542	5813	17439
4.8	ITEM NO.334 Supplying and erecting 100 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-20	3	Non	5181	15543	5461	16383
4.81	ITEM NO.335 Supplying & 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	12	Non	11932	143184	12578	150936
4.82	ITEM NO.336 PUMP STARTER Supplying, erecting, testing and commissioning of D.O.L Starter suitable for 400 V, 3 phase 50 Hz with no volt coil and overload element with necessary materials and connected to supply for above 7.5 HP-10 HP. CSR 12-4-3	3	Non	3831	11493	4038	12114
4.83	ITEM NO.337 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-16	50	Mtr	382	19100	402	20100
4.84	ITEM NO.338 Supplying, erecting & terminating FR 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 CSR 7-2-33	80	Mtr	726	58080	765	61200
4.85	ITEM NO.339 Supplying, installing, testing & commissioning split type variable speed inverter technology with minimum 3 to 1 convertible mode for compressor, room air conditioning unit 1.3TR to 1.6TR capacity having ISEER minimum 5.00 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit hi-wall/floor mounting type complete with refrigerant R32 having copper condenser, minimum 2.5PM filter, self diagnosis feature, stabilizer free operation & temperature display on indoor unit, noise level maximum 50dBA at position as per specification no. AP-AC/ SAC CSR 3-2-11	15	nos.	54479	817185	57430	861450
4.86	ITEM NO.340 Supplying, installing, testing & commissioning split type variable speed inverter technology with minimum 3 to 1 convertible mode for compressor, room air conditioning unit 1.7TR to 2.0TR capacity having ISEER minimum 3.8 to maximum 4.39 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit	15	nos.	68090	1021350	71777	1076655

	hi-wall/floor mounting type complete with refrigerant R32 having copper condenser, minimum 2.5PM filter, self diagnosis feature, stabilizer free operation & temperature display on indoor unit, noise level maximum 50dBA at position as per specification no. AP-AC/ SAC CSR 3-2-12						
4 87	ITEM NO.341 Supplying & erecting seamless outside & inside, smooth, dry and clean copper pipe with ROHS compliant suitable for refrigerant having 22SWG thickness and inner dia/size 16mm complete. CSR 3-2-27	110	mtr	545	99950	374	63140
4 88	ITEM NO.342 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 16 mm for solar water heater /AC system. CSR 4-2-4	110	mtr	104	11440	109	11990
4 89	ITEM NO.343 Supplying & erecting seamless outside & inside, smooth, dry and clean copper pipe with ROHS compliant suitable for refrigerant having 22SWG thickness and inner dia/size 12mm complete. CSR 3-2-26	110	mtr	365	40150	385	42350
4 9	ITEM NO.344 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 12 mm for solar water heater /AC system. CSR 4-2-3	110	mtr	93	10230	97	10670
4 91	ITEM NO.345 Supplying and erecting HMS PVC conduit FRLS grade 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC. CSR 1-1-7	110	mtr	125	13750	132	14520
4 92	ITEM NO.346 Supplying and erecting elastomeric nitrile rubber / foam tube type sleeves for coating and insulating on provided PC / copper pipes having 9 mm thickness and inner diameter / sizes 19 mm for solar water heater /AC system. CSR 4-2-5	110	mtr	120	13200	127	13970
4 93	ITEM NO.347 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. Toilet Exhaust Fans. CSR 3-11-60	4	nos	6322	25288	6664	26656
4 94	ITEM NO.348 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-2	50	sq.mt	1779	88950	1875	93750
4 95	ITEM NO.349 Supplying & erecting 22 SWG G.I sheet metal crawl sector shaped with 25 x 25 x 3 (mm) angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 300 mm as per specification no FG-FAS/MSC CSR 2-10-14	4	nos	1346	5384	1418	5672
4 96	ITEM NO.350 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	2	Job	1637	3274	1725	3450
4 97	ITEM NO.351 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 4 sq. mm. copper conductor	150	mtr	293	43950	309	46350

	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						
4.98	ITEM NO.352 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	150	sq.mt	1258	188700	1326	198900
4.99	ITEM NO.353 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 switchgear or as per directions by the site engineer. CSR 6-1-19	60	kg	236	14160	248	14880
5	ITEM NO.354 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	1	NOS	577843	577843	598601	598601
5.01	ITEM NO.355 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	1	NOS	546378	546378	575973	575973
5.02	ITEM NO.356 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	1	NOS	501522	501522	528688	528688

	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						
5.03	ITEM NO.357 Supplying, erecting, testing and commissioning of 12HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-4	1	NOS	385906	385906	406809	406809
5.04	ITEM NO.358 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper 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	1	NOS	363945	363945	383658	383658
5.05	ITEM NO.359 Supplying, erecting, testing and commissioning of 7HP to 8HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling	1	NOS	346997	346997	365792	365792

3.	mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-2						
5.06	ITEM NO.360 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-22	8	NOS	47342	378736	49906	399248
5.07	ITEM NO.361 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 coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-20	15	NOS	45603	684045	48073	721095
5.08	ITEM NO.362 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 coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	6	NOS	45168	271008	47615	285690
5.09	ITEM NO.363 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement with	2	NOS	77511	155022	81709	163418

	an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56						
5.1	ITEM NO 364 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10.0TR (8200 cfm) Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power, having anti-corrosive coating suitable for coastal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 1236 CFM / 8.0TR CSR 3-11-59	1	NOS	112640	112640	118740	118740
5.11	ITEM NO 365 Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 6.5TR Treated Fresh Air (TFA) (5380 cfm) room/IDU with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power, having anti-corrosive coating suitable for coastal area with decorative slim dimension suitable ceiling suspended arrangement and an electronic control console with any additional refrigerant and oil charge as per requirement during installation complete. 988 CFM / 6.0TR CSR 3-11-58	1	NOS	89370	89370	94211	94211
5.12	ITEM NO 366 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 multicasting 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	30	NOS	3195	95850	3367	101010
5.13	ITEM NO 367 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 multicasting 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	50	NOS	2985	149250	3146	157300
5.14	ITEM NO 368 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,	50	NOS	2922	146100	3080	154000

	tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicasting 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						
5.15	ITEM NO.369 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 multicasting 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	120	NOS	1961	235320	2067	248040
5.16	ITEM NO.370 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 multicasting 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	120	NOS	1527	183240	1609	193080
5.17	ITEM NO.371 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 multicasting 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	110	NOS	1343	147730	1416	155760
5.18	ITEM NO.372 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 multicasting 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	60	NOS	998	59880	1051	63060
5.19	ITEM NO.373 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,	110	NOS	840	92400	886	97460

	vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicasting 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 3-11-06						
5.2	ITEM NO.374 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 multicasting 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 3-11-07	30	NOS	653	19590	688	20640
5.21	ITEM NO.375 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 3-11-06	40	NOS	7373	294920	7772	310880
5.22	ITEM NO.376 Providing and fixing on walls/ ceiling/ floor 50mm dia.CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	80	RMT	934	74720	984	78720
5.23	ITEM NO.377 Providing and fixing on walls /ceiling/ floor 40mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessary yard conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59	80	RMT	680	54400	716	57280
5.24	ITEM NO.378 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	110	RMT	544	59840	572	62920
5.25	ITEM NO.379 Providing and fixing on walls/ ceiling/ floor 25mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete.Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.57	110	RMT	473	52030	498	54780
5.26	ITEM NO.380 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR CSR 6-1-2	650	SMT	1779	1156350	1875	1218750
5.27	ITEM NO.381 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including	110	SMT	1804	198440	1901	209110

	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/SI/UCR CSR 6-1-3						
5.28	ITEM NO.382 Supply, fabrication, installation and testing of flexible canvas connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	10	NOS	3543	35430	3734	37340
5.29	ITEM NO.383 Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	600	SMT	1258	754800	1326	795600
5.3	ITEM NO.384 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	110	SMT	1430	157300	1507	165770
5.31	ITEM NO.385 Supplying, installing and testing of 25 mm thick underdeck insulation. Insulation material shall be Closed Cell Elastomeric Nitrile Rubber. Thermal conductivity of insulation material shall not exceed 0.035 W/(m.K) at mean temperature of 0°C as per EN 12667. Moisture Diffusion Resistance Factor or "μ" value of insulation material shall be minimum 7,000 without any external barrier as per EN 12086. The insulation shall have fire performance such that it passes Class 1 as per BS476 Part 7 for surface spread of flame as per BS 476 and also pass Fire Propagation requirement as per BS476 Part 6 to meet the Class 'O' Fire category as per 1991 Building Regulations (England & Wales) and the Building Standards (Scotland) Regulations 1990. The insulation material shall have fire performance of V0, HB as per UL 94, 1996. Material should be FM (Factory Mutual), USA approved. The insulation material shall be dust and fibre free. Approved MR	2000	SMT	2300	4600000	1537	3074000
5.32	ITEM NO.386 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	100	JOB	1637	163700	1725	172500
5.33	ITEM NO.387 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	4	SMT	7518	30072	7925	31700
5.34	ITEM NO.388 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size. CSR 3-11-87	10	SMT	8338	83380	8789	87890
5.35	ITEM NO.389 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	2	NOS	5700	11400	6009	12018
5.36	ITEM NO.390 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	26	NOS	6600	171600	6958	180908
5.37	ITEM NO.391 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	2	NOS	7800	15600	8223	16446
5.38	ITEM NO.392 Aluminium Extruded Fresh Air & Exhaust Rain Protection Air Louvers with Bird screen Approved MR	6	NOS	14400	86400	15180	91080

5.39	ITEM NO.393 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	150	KG	236	35400	248	37200
5.4	ITEM NO.394 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall integrated with provided fire alarm system. CSR 3-11-79	2	NOS	58253	116506	61408	122816
5.41	ITEM NO.395 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	10	NOS	6322	63220	6664	66640
5.42	ITEM NO.396 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	10	NOS	19061	190610	20093	200930
5.43	ITEM NO.397 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm, 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	1	NOS	6423	6423	6770	6770
5.44	ITEM NO.398 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm, 1400 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	1	NOS	5919	5919	6239	6239
5.45	ITEM NO.399 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq mm (32 no. x 0.20mm dia) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 KV (Control cable) CSR 1-3-13	150	RMT	60	9000	63	9450
5.46	ITEM NO.400 Supplying and erecting HMSPV Conduit 20mm dia with PVC accessories on wall / ceiling as per specification no. WG-MA/CON. CSR 1-2-3	150	RMT	101	15150	106	15900
5.47	ITEM NO.401 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	50	RMT	478	23900	503	25150
5.48	ITEM NO.402 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-33	120	RMT	726	87120	765	91800

5.49	ITEM NO 403 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/CUCSR 7-2-34	20	RMT	1041	20820	1097	21940
5.5	ITEM NO 404 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	50	RMT	1016	50800	1070	53500
5.51	ITEM NO 405 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	110	RMT	708	77880	746	82060
5.52	ITEM NO 406 Supplying 6A 3 pin plug top bakelite type of 230V A.C. supply. CSR 1-5-14	50	NOS	64	3200	67	3350
5.53	ITEM NO 407 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	4	NOS	6322	25288	6664	26656
5.54	ITEM NO 408 Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	6	NOS	19061	114366	20093	120558
5.55	ITEM NO 409 Supplying and erecting SS enclosure of 1.6mm thick with detachable gland plate suitable for upto 100A MCCB. CSR 5-11-17	10	NOS	1186	11860	1250	12500
5.56	ITEM NO 410 Supplying, erecting & commissioning 4 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-5	5	NOS	3308	16540	3486	17430
5.57	ITEM NO 411 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-4	5	NOS	3267	16335	3443	17215
5.58	ITEM NO 412 Supplying, erecting & commissioning 4 pole RCCB 63A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB. CSR 5-6-6	2	NOS	3711	7422	3911	7822
5.59	ITEM NO 413 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GI. CSR 7-7-1	40	NOS	88	3520	92	3680
5.6	ITEM NO 414 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GI. CSR 7-7-2	4	NOS	112	448	118	472

5.61	ITEM NO 415 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-GI. CSR 7-7-3	4	NOS	222	888	234	936
5.62	ITEM NO 416 Supply, installation, testing and commissioning air curtain of 6feet width having air throw velocity of 21 m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply. CSR 3-11-76	6	NOS	27342	164052	28823	172938
5.63	ITEM NO 417 Supply, installation, testing and commissioning air curtain of 4feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9feet, working on 1 phase, 230V, 50Hz, A.C. supply CSR 3-11-75	4	NOS	23540	94160	24814	99256
5.64	LANDSCAPING						
5.65	ITEM NO 418 Preparing Lawn (30 cm. depth) - Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clinning rolling etc complete PARK AND GARDEN DSR	500	SMT	831	415500	875	437500
5.66	ITEM NO. 419 Preparing flower Bed -Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed, Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Starring replacing of casualties etc, Complete PARK AND GARDEN DSR	300	SMT	820	246000	864	259200
5.67	ITEM NO 420 GARDEN SOIL Supplying on site garden soil well sieved 90% to pass through IS, sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farm) item includes royalty charges, octroi, corporation Tax Transporting loading -unloading etc (Lead charges per 90 km. considered) PARK AND GARDEN DSR	375	CMT	1008	378000	1063	398625
5.68	ITEM NO 421 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. (Farm) item includes Transporting, loading -unloading etc (Lead charges per 30 km. are considered) PARK AND GARDEN DSR	150	CMT	984	147600	1037	155550
5.69	Plant should be healthy, well rooted, diseased free and free from any pest attack with sufficient moisture around root zone in polybag. (Wherever applicable)						

5.7	ITEM NO.422 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupressus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	600	NOS	60	36000	63	37800
5.71	ITEM NO.423 Palm Varieties (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8Ft PARK AND GARDEN DSR	50	NOS	1560	78000	1645	82250
5.72	ITEM NO.424 Plants required for Landscaping (Euphorbia, Hemelia, Malpuegra, Mussanda, Tecomia, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phoenix Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	300	NOS	330	99000	348	104400
5.73	ITEM NO. 425 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. PARK AND GARDEN DSR	600	SMT	783	469800	825	495000
5.74	ITEM NO. 426 Forest Trees (Peltophorum, Bakul, Kacia, Neem, Tabobia, ETC) Annex B(8-10 FEET) PARK AND GARDEN DSR	10	NOS	780	7800	822	8220
5.75	ITEM NO. 427 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	10	NOS	2812	28120	2964	29640
5.76	ITEM No.428 Plant Protection measures for tree having girth between 2' to 5' MCGM R3-GW-8-22	20	NOS	347	6940	366	7320
5.77	ITEM NO.429 Quisqualis 24 indica 6" to 9" height excluding polybag MCGM R3-GW-5-205	150	NOS	21	3150	22	3300
5.78	ITEM NO. 430 Bougainvillea purviana Thimma 6" to 9" height excluding polybag MCGM R3-GW-5-20	150	NOS	42	6300	44	6600
5.79	ITEM NO.431 Codiaeum variegatum Hybrid croton 6" to 9" height excluding polybag MCGM R3-GW-5-37	50	NOS	56	2800	58	2900
5.8	ITEM NO. 432 Samanea saman Rain tree 4' to 5' height excluding polybag MCGM R3-GW-5-295	50	NOS	98	4900	102	5100
5.81	ITEM NO. 433 Rohoea discolor Rohoea Nana 4" to 6" height excluding polybag MCGM R3-GW-5-145	200	NOS	15	3000	13	3000
5.82	ITEM NO. 434 Rohoea discolor Rohoea Tall 4" to 6" height excluding polybag MCGM R3-GW-5-146	200	NOS	28	5600	29	5800
5.83	ITEM NO.435 Delonix regia Gulmoohar 4' to 5' height excluding polybag MCGM R3-GW-5-261	50	NOS	98	4900	102	5100
5.84	ITEM NO.436 Verbena 6" to 9" height excluding polybag MCGM R3-GW-5-158	150	NOS	21	3150	22	3300

5.85	ITEM NO.437 Chlorophytum laxum Dwarf Chlorophytum 6" to 9" height excluding polybag MCGM R3-GW-5-40	150	NOS	28	4200	29	4350
5.86	ITEM NO.438 Chlorophytum comosum Spider Plant 6" to 9" height excluding polybag MCGM R3-GW-5-39	150	NOS	28	4200	29	4350
5.87	ITEM NO.439 Mangifera indica Mango 4' to 5' height excluding polybag MCGM R3-GW-5-284	50	NOS	173	8650	182	9100
				Rs. 48,20,69,537/-		Rs. 50,16,76,100/-	

नमूद कामाकरीता मे. शायोना कॉर्पोरेशन यांनी वरील दराची निविदा सादर केली आहे. परंतु सदरचे दर हे अंदाजपत्रकिय दरापेक्षा जास्तीचे असल्याने कंत्राटदार यांनी दरवाटाघाटीनंतर 16.74% दर कमी करून दिलेले असून त्यानुसार सदर निविदा रक्कम ही रु.40,13,81,178/- एवढी होत आहे.

सदर कमी केलेल्या दरानुसार निविदा रक्कम रु.40,13,81,178/- एवढी होत असून मे. शायोना कॉर्पोरेशन यांची मजूर रकमे एवढीच निविदा रक्कम होत आहे. नगरविकास विभागाकडील शासन निर्णय व मा. जिल्हाधिकारी ठाणे यांचेकडील प्रशासकीय मान्यतेच्या आदेशात नमूद केल्यानुसार वितरीत निधी व्यतिरिक्त उर्वरीत निधी प्रतिवर्षी वितरीत करण्यात येणार असल्याने त्यानुसार प्राप्त तरतूदीच्या मर्यादेत टप्प्याटप्प्याने कामे हाती घेण्यात येतील ही अट नमूद करून कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

(राधाबिनाद शर्मा, अपर)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. २६/०३ /२०२५

// गोपवारा //

प्रकरण क्र. (४६२) :- निविदेस मान्यता देणेबाबत.

मिरा भाईंदर महानगरपालिका मुख्यालय इमारत येथे पाचवा मजल्याकरीता विद्युत विषयक कामे करणे. (E-1011114)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1138608_1	मिरा भाईंदर महानगरपालिका मुख्यालय इमारत येथे पाचवा मजल्याकरीता विद्युत विषयक कामे करणे.	रु.43,45,939/-	मे. इलेप्रोज इंजिनिअर्स मे. अयवाल असोसिएट्स मे. न्यु फिल्ड मे. युटीलिटी इंटरप्रायझेस	8.8800% कमी दराने 5.0000% कमी दराने 4.0000% कमी दराने 1.0000% जास्त दराने

वरील कामी मे. इलेप्रोज इंजिनिअर्स या निविदाधारकाने 8.8800% कमी दराने निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.


(दिपक खांबित)

शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक २६/०३/२०२५

प्रकरण क्र. (४६२) :- निविदेस मान्यता देणेबाबत.

मिरा भाईंदर महानगरपालिका मुख्यालय इमारत येथे पाचवा मजल्याकरीता विद्युत विषयक कामे करणे.

ठराव क्र. (४६२)

अ. क्र.	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1138608_1	मिरा भाईंदर महानगरपालिका मुख्यालय इमारत येथे पाचवा मजल्याकरीता विद्युत विषयक कामे करणे.	रु.43,45,939/-	मे. इलेप्रोज इंजिनिअर्स मे. अग्रवाल असोसिएट्स मे.न्यु फिन्ड मे. युटीलिटी इंटरप्रायझेस	8.8800% कमी दराने 5.0000% कमी दराने 4.0000% कमी दराने 1.0000% जास्त दराने

वरील कामी मे. इलेप्रोज इंजिनिअर्स या निविदाधारकाने 8.8800% कमी दराने निविदा सादर केली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळेकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(राधाविनोद शर्मा, आपसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

वांघकाम विभाग

// गोषवारा //

दि २६/०३/२०२५

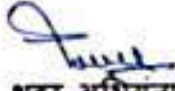
प्रकरण क्र.: (४६३) मा.आयुक्त यांनी मंजूर केलेल्या कामांचे अवलोकन करणे.

मिरा भाईंदर महानगरपालिका क्षेत्रात रा.म.क्र. ४८ वरील सगनायदेवी देवी मंदिर,
घोडबंदर येथील छत्रपती शिवाजी महाराज यांच्या पुर्णाकृती पुतळा येथे हायमास्ट
पोल बसविणे. (E-1133949)

अ. क्र	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. वगळुन)	ठेकेदाराचे नाव	मंजूर दर
१	२	३	४	५
१.	मिरा भाईंदर महानगरपालिका क्षेत्रात रा.म.क्र. ४८ वरील सगनायदेवी देवी मंदिर, घोडबंदर येथील छत्रपती शिवाजी महाराज यांच्या पुर्णाकृती पुतळा येथे हायमास्ट पोल बसविणे.	रु.९,४९,५५६/-	मे. सिरो एनजी मे. न्यु फिल्ड मे. पुणे इलेक्ट्रीकल्स	१२.०९००% कमी दराने ७.६३००% कमी दराने ६.२२००% कमी दराने

वरील निविदेच्या दरास मा.आयुक्त यांनी जी.एस.टी. सह मंजुरी दिली आहे. सदर कामे महाराष्ट्र

महानगरपालिका अधिनियम कलम ७३ (३) नुसार अवलोकनार्थ सादर करण्यात येत आहेत.


शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक २६/०३/२०२५

प्रकरण क्र. (४६३) :- मा.आयुक्त यांनी मंजूर केलेल्या कामांचे अवलोकन करणे.

मिरा भाईंदर महानगरपालिका क्षेत्रात रा.म.क्र. ४८ वरील सगनायदेवी देवी मंदिर, घोडबंदर येथील छत्रपती शिवाजी महाराज यांच्या पुर्णकृती पुतळा येथे हायमास्ट पोल बसविणे.

ठराव क्र. (४६३)

अ.क्र	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. वगळुन)	ठेकेदाराचे नाव	मंजूर दर
१	२	३	४	५
१.	मिरा भाईंदर महानगरपालिका क्षेत्रात रा.म.क्र. ४८ वरील सगनायदेवी देवी मंदिर, घोडबंदर येथील छत्रपती शिवाजी महाराज यांच्या पुर्णकृती पुतळा येथे हायमास्ट पोल बसविणे.	रु.९,४९,५५६/-	मे. सिरा एनर्जी मे. न्यु फिल्ड मे. पुणे इलेक्ट्रीकल्स	१२.०९००% कमी दराने ७.६३००% कमी दराने ६.२२००% कमी दराने

वरील प्रमाणे निविदेस मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम ७३ (५) अन्वये लघुत्तम निविदाधारक श्री. सिरा एनर्जी, यांनी सादर केलेले १२.०९००% कमी दराने स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि-१४ दि.२६ ऑगस्ट २०२२ अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम ४५२ अ च्या (१ अ) व (१ ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम ७३ (५) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिस्वळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(राधबिनोद शर्मा, भाषणे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा भाईंदर महानगरपालिका

मा. प्रशासकीय सभा दि. २६/०३ /२०२५

गोषवारा

प्रकरण क्र. ४६४:- संपुर्ण मालमत्ता कराचा आगाऊ भरणा केल्यास चालु वर्षाच्या करावर सुट देणे बाबत. ई-१४३०४६४

संदर्भ :- मा. प्रशासकीय सभा दि. ०१/०३/२०२४ ठराव क्र. ३९५.

मिरा भाईंदर महानगरपालिका विविध विकासकामे तसेच महापालिकेची आवश्यक कर्तव्ये बजाविणेकरीता होणाऱ्या खर्चाची तरतुद करण्याकरीता मालमत्ता कर हे महानगरपालिकेच्या उत्पन्नाचे मुख्य स्रोत आहे.

मिरा भाईंदर महानगरपालिका क्षेत्रात सद्यस्थितीमध्ये अंदाजे एकुण ३.६३ लाख इतक्या मालमत्तांना कराची आकारणी करण्यात आलेली आहे.

मालमत्ता कराची मागणी देयक बजाविले नंतर मालमत्ता कराचा भरणा करणेकरीता अधिनियमान्वये विहित मुदत देण्यात येते. सदर विहित मुदतीत कराचा भरणा न करणाऱ्या मालमत्ता धारका यांना देयक बजावल्यानंतर अधिनियमातील प्रकरण ८ कराधान नियम चे कलम ४१ नुसार शास्तीची आकारणी करण्यात येते.

तथापी, मालमत्ता कराचा नियमीत व विहित मुदतीत कराचा भरणा करणाऱ्या मालमत्ता धारकांना प्रोत्साहन देण्यासाठी आगाऊ कर भरणाऱ्या मालमत्ता धारकांसाठी सवलत देणे गरजेचे आहे.

महाराष्ट्र महानगरपालिका अधिनियम चे कलम १४०-अ मध्ये पुढील तरतुद आहे. "या अधिनियमामध्ये काहीही अंतर्भूत असले तरी, मालमत्ता कर देण्याकरिता मुख्यतः पात्र मालमत्ता असणारी कोणतीही व्यक्ती, असा कर त्या प्रयोजनाकरिता बिलात विनिर्दिष्ट केलेल्या दिनांकापूर्वी भरत असेल किंवा असा कर, संपूर्ण वर्षाकरिता आगाऊ भरत असेल तर, तिला महानगरपालिका, सर्वसाधारण आगाऊ आदेशाद्वारे निर्धारित करील अशा दराने मालमत्ता कर भरण्यातून सुट देण्यात येईल आणि मालमत्तेच्या भरण्यातून वापरकर्त्यांच्या वेगवेगळ्या वर्गाकरिता अशी सुट देण्याचे वेगवेगळे दर विनिर्दिष्ट करता येतील."

यापूर्वी मा. महासभा दि. ०९/०५/२०२२ ठराव क्र. ७, मा. प्रशासकीय सभा दि. १७/०४/२०२३ ठराव क्र. २४ तसेच मा. प्रशासकीय सभा दि. १७/०४/२०२३ ठराव क्र. २४ अन्वये मिरा भाईंदर महानगरपालिका क्षेत्रातील जे मालमत्ता मालमत्ता कराची देयक बजाविले नंतर बिलात विनिर्दिष्टीत केलेल्या दिनांकापूर्वी संपुर्ण वर्षाकरीता कराचा थकबाकीसह आगाऊ भरणा केल्यास चालु वर्षाच्या मालमत्ता करामध्ये खालील तक्त्याप्रमाणे सवलत (सुट) देणे बाबत वेळोवेळी मान्यता देण्यात आलेली होती.

अ. क्र.	कर भरणा कालावधी	कर शिर्षक	सवलत / सुट टक्केवारी चालु वर्षात करामध्ये
१	१ एप्रिल ते ३० जून पर्यंत	मोठ्या निवासी मालमत्ता कर, शासकीय शिक्षण कर, शासकीय रोजगार हमी कर, घनकरचरा शुल्क वगळून इतर सर्व करावर	५%
२	१ जुलै ते ३१ जुलै पर्यंत		३%

सदर ठरावाच्या अनुषंगाने मालमत्ता कराच्या संगणकीय आज्ञावलीत नोंद घेऊन मालमत्ता धारकांना सवलत योजना लागू केली होती. व नागरीकांनी देखील त्यास चांगला प्रतिसाद दिला होता. व दि. ३१/०७/२४ पर्यंत रु. १३६ कोटीची वसूली झाली होती.

सदर सवलत योजनेचा अनुभव पाहता प्रतिवर्षी मालमत्ता कराची देयके छपाई केले नंतर माहे एप्रिल ते माहे जुलै पर्यंत संपूर्ण मालमत्ता कराचा आगाऊ भरणा केल्यावर चालु मागणीमध्ये खालील नमुद केल्याप्रमाणे सवलत/ सुट दिल्यास मालमत्ता धारक यांचेकडून मालमत्ता कर भरणा वेळेत करण्याकडे मालमत्ता धारकांचा अधिक कल वाढेल, त्यामुळे मालमत्ता कराचे उद्दीष्ट साध्य होण्यास मदत होईल. तसेच सदर आगाऊ कर भरणा प्राप्त झाल्यामुळे महानगरपालिकेला विकास कामासाठी सदर निधीचा वापर करता येईल.

अ. क्र.	कर भरणा कालावधी	कर शिर्षक	सवलत / सुट टक्केवारी चालु वर्षात करामध्ये
१	१ एप्रिल ते ३० जून पर्यंत	मोठ्या निवासी मालमत्ता कर, शासकीय शिक्षण कर, शासकीय रोजगार हमी कर, घनकरचरा शुल्क वगळून इतर सर्व करावर	५%
२	१ जुलै ते ३१ जुलै पर्यंत		३%

सबब, मालमत्ता कर भरणा करणाऱ्या मालमत्ता धारक यांना महाराष्ट्र महानगरपालिका अधिनियम चे कलम १४०-अ मधील तरतुदीनुसार प्रतिवर्षी मालमत्ता कराची देयक बजाविले नंतर संपूर्ण मालमत्ता कराचा उपरोक्त तक्त्यात नमुद केल्याप्रमाणे विहीत मुदतीत आगाऊ भरणा केल्यास चालु मागणी रक्कमेव सवलत/ सुट देणेकरीता मा. प्रशासक यांची मान्यता मिळणेस शिफारस असे.


 (प्रसाद शिंगडे)
 उप-आयुक्त (कर)
 मिरा भाईंदर महानगरपालिका

मा. महाराष्ट्र / महाराष्ट्र नगरपालिका सभा
 येथील दि. २५/०३/२५ ते ५/०४/२५
 मसुदा क्र. ४८६ दि. २०२५/२६
 मिरा भाईंदर
 २५/३/२५
 मिरा-भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

प्रशासकिय ठराव दि. २६/०३/२०२५

प्रकरण क्र. ४६४ :- संपूर्ण मालमत्ता कराचा आगाऊ भरणा केल्यास चालु वर्षाच्या करावर सुट देणे बाबत.

कार्यालयीन प्रस्ताव

मिरा भाईंदर महानगरपालिका विविध विकासकामे तसेच महापालिकेची आवश्यक कर्तव्ये बजाविणेकरीता होणाऱ्या खर्चाची तरतुद करण्याकरीता मालमत्ता कर हे महानगरपालिकेच्या उत्पन्नाचे मुख्य स्रोत आहे.

मिरा भाईंदर महानगरपालिका क्षेत्रात सद्यस्थितीमध्ये अंदाजे एकूण ३.६३ लाख इतक्या मालमत्तांना कराची आकारणी करण्यात आलेली आहे.

मालमत्ता कराची मागणी देयक बजाविले नंतर मालमत्ता कराचा भरणा करणेकरीता अधिनियमान्वये विहित मुदत देण्यात येते. सदर विहित मुदतीत कराचा भरणा न करणाऱ्या मालमत्ता धारक यांना देयक बजावल्यानंतर अधिनियमातील प्रकरण ८ कराधान नियम चे कलम ४१ नुसार शास्तीची आकारणी करण्यात येते.

तथापी, मालमत्ता कराचा नियमीत व विहित मुदतीत कराचा भरणा करणाऱ्या मालमत्ता धारकांना प्रोत्साहन देण्यासाठी आगाऊ कर भरणाऱ्या मालमत्ता धारकांसाठी सवलत देणे गरजेचे आहे.

महाराष्ट्र महानगरपालिका अधिनियम चे कलम १४०-अ मध्ये पुढील तरतुद आहे. "या अधिनियमामध्ये काहीही अंतर्भूत असले तरी, मालमत्ता कर देण्याकरीता मुख्यतः पात्र मालमत्ता असणारी कोणतीही व्यक्ती, असा कर त्या प्रयोजनाकरिता बिलात विनिर्दिष्ट केलेल्या दिनांकापूर्वी भरत असेल किंवा असा कर, संपूर्ण वर्षाकरिता आगाऊ भरत असेल तर, तिला महानगरपालिका, सर्वसाधारण आगाऊ आदेशाद्वारे निर्धारित करील अशा दराने मालमत्ता कर भरण्यातून सूट देण्यात येईल आणि मालमत्तेच्या भरण्यातून वापरकर्त्यांच्या वेगवेगळ्या वर्गाकरिता अशी सूट देण्याचे वेगवेगळे दर विनिर्दिष्ट करता येतील."

यापूर्वी मा. महासभा दि. ०९/०५/२०२२ ठराव क्र. ७, मा. प्रशासकीय सभा दि. १७/०४/२०२३ ठराव क्र. २४ तसेच मा. प्रशासकीय सभा दि. १७/०४/२०२३ ठराव क्र. २४ अन्वये मिरा भाईंदर महानगरपालिका क्षेत्रातील जे मालमत्ता मालमत्ता कराची देयक बजाविले नंतर बिलात विनिर्दिष्टीत केलेल्या दिनांकापूर्वी संपूर्ण वर्षाकरीता कराचा थकबाकीसह आगाऊ भरणा केल्यास चालु वर्षाच्या मालमत्ता करामध्ये खालील तक्त्याप्रमाणे सवलत (सुट) देणे बाबत वेळोवेळी मान्यता देण्यात आलेली होती.

अ. क्रं.	कर भरणा कालावधी	कर शिर्षक	सवलत / सुट टक्केवारी चालु वर्षात करामध्ये
१	१ एप्रिल ते ३० जुन पर्यंत	मोठ्या निवासि मालमत्ता कर, शासकीय शिक्षण कर, शासकीय रोजगार हमी कर, घनकरधरा शुल्क वगळून इतर सर्व करावर	५%
२	१ जुलै ते ३१ जुलै पर्यंत		३%

सदर ठरावाच्या अनुषंगाने मालमत्ता कराच्या संगणकीय आज्ञावलीत नोंद घेऊन मालमत्ता धारकांना सवलत योजना लागू केली होती. व नागरीकांनी देखील त्यास चांगला प्रतिसाद दिला होता. व दि. ३१/०७/२४ पर्यंत रु. १३६ कोटीची वसुली झाली होती.

सदर सवलत योजनेचा अनुभव पाहता प्रतिवर्षी मालमत्ता कराची देयके छपाई केले नंतर माहे एप्रिल ते माहे जुलै पर्यंत संपूर्ण मालमत्ता कराचा आगाऊ भरणा केल्यावर चालु मागणीमध्ये खालील नमुद केल्याप्रमाणे सवलत/ सुट दिल्यास मालमत्ता धारक यांचेकडून मालमत्ता कर भरणा वेळेत करण्याकडे

मालमत्ता धारकांचा अधिक कल वाढेल, त्यामुळे मालमत्ता कराचे उद्दीष्ट साध्य होण्यास मदत होईल. तसेच सदर आगाऊ कर भरणा प्राप्त झाल्यामुळे महानगरपालिकेला विकास कामासाठी सदर निधीचा वापर करता येईल.

अ. क्र.	कर भरणा कालावधी	कर शिर्षक	सवलत / सुट टक्केवारी चालु वर्षात करामध्ये
१	१ एप्रिल ते ३० जून पर्यंत	मोठ्या निवासी मालमत्ता कर, शासकीय शिक्षण कर, शासकीय रोजगार हमी कर, घनकरचरा शुल्क वगळुन इतर सर्व करावर	५%
२	१ जुलै ते ३१ जुलै पर्यंत		३%

सबब, मालमत्ता कर भरणा करणाऱ्या मालमत्ता धारक यांना महाराष्ट्र महानगरपालिका अधिनियम चे कलम १४०-अ मधील तरतुदीनुसार प्रतिवर्षी मालमत्ता कराची देयक बजाविले नंतर संपूर्ण मालमत्ता कराचा उपरोक्त तक्त्यात नमुद केल्याप्रमाणे विहीत मुदतीत आगाऊ भरणा केल्यास चालु मागणी रक्कमेवर सवलत/ सुट देणेकरीता मा. प्रशासक यांची मान्यता मिळणेस शिफारस असे.

सर्वसाधारण सभा प्रशासकिय ठराव क्र. ४६४ दिनांक २६/०३/२०२५

प्रशासनाने सादर केलेला गोष्टवारा विचारात घेवून मालमत्ता कराचा भरणा आगाऊ स्वरूपात करणेकरीता नागरीकांना प्रोत्साहित करणे हेतु महाराष्ट्र महानगरपालिका अधिनियम चे कलम १४०-अ मधील तरतुदीनुसार प्रतिवर्षी मालमत्ता कराची देयक बजाविले नंतर विहीत मुदतीत संपूर्ण मालमत्ता कराचा आगाऊ भरणा करणाऱ्या नागरीकांना खालील तक्त्यात नमुद केल्याप्रमाणे सवलत (सुट) देण्यास मंजूर देणेत येत आहे.

अ. क्र.	कर भरणा कालावधी	कर शिर्षक	सवलत / सुट टक्केवारी चालु वर्षात करामध्ये
१	१ एप्रिल ते ३० जून पर्यंत	मोठ्या निवासी मालमत्ता कर, शासकीय शिक्षण कर, शासकीय रोजगार हमी कर, घनकरचरा शुल्क वगळुन इतर सर्व करावर	५%
२	१ जुलै ते ३१ जुलै पर्यंत		३%

मालमत्ता कर विभागाने वरील तक्त्यात नमुद केल्यानुसार विहीत कालावधीत मालमत्ता कराचा भरणा करण्याऱ्या नागरीकांना मालमत्ता करात सवलत देण्याची कार्यवाही करण्यात यावी. तसेच या करीता मालमत्ता कराच्या संगणकीय आज्ञावलीत उचित बदल करण्यात यावे.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(राधाबिनाई अ. शर्मा, भा.प्र.से.)
आयुक्त तथा प्रशासक
मिरा भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

// गोपवारा //

दि २६/०३/२०२५

प्रकरण क्र:- (४६५) मा.आयुक्त यांनी मंजूर केलेल्या कामांचे अवलोकन करणे.

मिरारोड (पूर्व) कनकिया येथील अग्निशमन विभागाच्या इमारती मधील पहिला व दुसरा मजला नगररचना विभागास कार्यालयासाठी देण्यासाठी दुरुस्तीची कामे करणे. (ई-११८१३०९)

अ. क्र	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. वगळून)	ठेकेदाराचे नाव	मंजूर दर
१	२	३	४	५
१.	मिरारोड (पूर्व) कनकिया येथील अग्निशमन विभागाच्या इमारती मधील पहिला व दुसरा मजला नगररचना विभागास कार्यालयासाठी देण्यासाठी दुरुस्तीची कामे करणे.	रु.६,६१,८१३/-	श्री.तेजस रमेश पाटील मे. अन्स कॉर्पोरेशन मे. अकाश इंटरप्राइजेस	०.१०% कमी दराने ५.००% जास्त दराने ६.३% जास्त दराने

वरील निविदेच्या दरास मा.आयुक्त यांनी जी.एस.टी. सह मंजूरी दिली आहे. सदर कामे महाराष्ट्र महानगरपालिका अधिनियम कलम ७३ (ड) नुसार अवलोकनार्थ सादर करण्यात येत आहेत.



शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक २६/०३/२०२५

प्रकरण क्र. (४६५) :- मा.आयुक्त यांनी मंजूर केलेल्या कामांचे अवलोकन करणे.
मिरारोड (पूर्व) कनकिया येथील अग्निशमन विभागाच्या इमारती मधील पहिला व दुसरा मजला नगररचना विभागास कार्यालयासाठी देण्यासाठी दुरुस्तीची कामे करणे.
(ई-1181309)

ठराव क्र. (४६५)

अ.क्र	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. बगळून)	ठेकेदाराचे नाव	मंजूर दर
1	2	3	4	5
1.	मिरारोड (पूर्व) कनकिया येथील अग्निशमन विभागाच्या इमारती मधील पहिला व दुसरा मजला नगररचना विभागास कार्यालयासाठी देण्यासाठी दुरुस्तीची कामे करणे.	रु.6,61,813/-	श्री.तेजस रमेश पाटील मे. अन्स कॉर्पोरेशन मे. अकाश इंटरप्राइस	0.10% कमी दराने 5.00% जास्त दराने 6.3% जास्त दराने

वरील प्रमाणे निविदेस मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (ड) अन्वये लघुत्तम निविदाधारक श्री.तेजस रमेश पाटील, यांनी सादर केलेले 0.10% कमी दराने स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषतः कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (ड) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(राधाकिंद शर्मा, भावने)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

// गोपवारा //

दि. २६/०३/२०२४

प्रकरण क्र. (४६६) :- राज्य शासनाच्या नगरविकास विभागाकडील "महाराष्ट्र सुवर्ण जयंती नगरोत्थान अभियान" योजनेतर्गत महानगरपालिकेचा निधी ३०% हिस्सा उपलब्ध करून देणेस मान्यता देणे.

राज्य शासनाच्या नगर विकास विभागाकडील "महाराष्ट्र सुवर्ण जयंती नगरोत्थान महाअभियान" या योजनेतर्गत खालील कामांसाठी निधी मागणी करण्यात आली आहे.

अ.क्र.	कामाचे नाव	रक्कम रुपये	शासन हिस्सा	मनपा हिस्सा
१.	मिरा भाईंदर महानगरपालिका क्षेत्रातील फुटपाथ, दुभाजक सार्व.इमारती यामधील स्थापत्य / विद्युत कामाचे सुशोभिकरण कामे करणे.	रु.१२,००,००,०००/-	रु.८,४०,००,०००/-	रु.३,६०,००,०००/-
	एकूण	रु.१२,००,००,०००/-	रु.८,४०,००,०००/-	रु.३,६०,००,०००/-

वरील कामासाठी रु.३,६०,००,०००/- मिरा भाईंदर महानगरपालिकेचा हिस्सा राहणार असून सदर खर्च महानगरपालिकेच्या अर्थसंकल्पात तरतूद करून करावा लागणार आहे. उर्वरीत रु.८,४०,००,०००/-निधी शासनाकडून प्राप्त होणार आहे. तरी महानगरपालिकेच्या अर्थसंकल्पातील तरतूदीतून रु.३,६०,००,०००/- खर्च करणेस व सदर कामे करण्यास मान्यता देणेस व कामाची अंदाजपत्रके प्रस्तावासह प्रशासकीय मान्यतेसाठी मा.जिल्हाधिकारी, ठाणे यांचे कडे पाठविणेस मान्यता देणे आवश्यक आहे.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-२०२०/ प्र.क्र.७१(भाग-२१)/नवि-१४ दि.२६ ऑगस्ट २०२२ अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतूद व विशेषतः कलम ४५२ अ चा (१अ) व (१ब) मधील तरतूदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असून त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत.

तरी सदर प्राप्त अधिकारात वरील कामांस प्रशासकीय ठरावाव्दारे मान्यता देण्यास शिफारस आहे.


(दिपक खांबित)

शहर अभियंता

मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक २६/०३/२०२५

विषय क्र. (४६६) :-

मा. आयुक्त महोदयाकडील कामकाज

राज्य शासनाच्या नगरविकास विभागाकडील "महाराष्ट्र सुवर्ण जयंती नगरोत्थान अभियान" योजनेतर्गत महानगरपालिकेचा निधी ३०% हिस्सा उपलब्ध करून देणेस मान्यता देणे.

कार्यालयीन प्रस्तावना

राज्य शासनाच्या नगर विकास विभागाकडील "महाराष्ट्र सुवर्ण जयंती नगरोत्थान महाअभियान" या योजनेतर्गत खालील कामांसाठी निधी मागणी करण्यात आली आहे.

अ.क्र.	कामाचे नाव	रक्कम रुपये	शासन हिस्सा	मनपा हिस्सा
१.	मिरा भाईंदर महानगरपालिका क्षेत्रातील फुटपाथ, दुभाजक सार्व.इमारती यामधील स्थापत्य / विद्युत कामाचे सुशोभिकरण कामे करणे.	रु.१२,००,००,०००/-	रु.८,४०,००,०००/-	रु.३,६०,००,०००/-
एकूण		रु.१२,००,००,०००/-	रु.८,४०,००,०००/-	रु.३,६०,००,०००/-

वरील कामासाठी रु.३,६०,००,०००/- मिरा भाईंदर महानगरपालिकेचा हिस्सा राहणार असून सदर खर्च महानगरपालिकेच्या अर्थसंकल्पात तरतूद करून करावा लागणार आहे. उर्वरीत रु.८,४०,००,०००/-निधी शासनाकडून प्राप्त होणार आहे. तरी महानगरपालिकेच्या अर्थसंकल्पातील तरतूदीतून रु.३,६०,००,०००/- खर्च करणेस व सदर काम करण्यास मान्यता देणेस व कामाची अंदाजपत्रक प्रस्तावासह प्रशासकीय मान्यतेसाठी मा.जिल्हाधिकारी, ठाणे यांचे कडे पाठविणेस मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

प्रशासकीय ठराव क्र. ४६६

राज्य शासनाच्या नगरविकास विभागाकडील "महाराष्ट्र सुवर्ण जयंती नगरोत्थान महाअभियान" योजनेतर्गत महानगरपालिकेचा निधी ३०% हिस्सा उपलब्ध करून देणेस मान्यता देणे. या कामाच्या प्रस्तावाचे अवलोकन करण्यात आले.

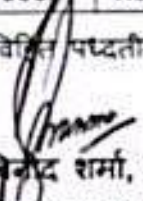
महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषतः कलम ४५२ (अ) च्या (१३) व (१४) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ २०२०/प्र.क्र.७१ (भाग-२)/नवि-१४ दिनांक २६ ऑगस्ट २०२२ अन्वये प्राप्त अधिकारानुसार मी, राधाबिनोद शर्मा, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करून प्रशासनाने सादर

केल्यानुसार शासन हिस्सा 70% व मनपा हिस्सा 30% प्रमाणे खर्च करून काम करण्यास तसेच मनपा हिश्यासाठी अर्थसंकल्पात आवश्यक तरतुद करण्यास मान्यता देत आहे.

अ.क्र.	कामाचे नाव	रक्कम रुपये	शासन हिस्सा	मनपा हिस्सा
1.	मिरा भाईंदर महानगरपालिका क्षेत्रातील फुटपाथ, दुभाजक सार्वभूमिगत यामधील स्थापत्य / विद्युत कामाचे सुशोभिकरण कामे करणे.	रु.12,00,00,000/-	रु.8,40,00,000/-	रु.3,60,00,000/-
एकुण		रु.12,00,00,000/-	रु.8,40,00,000/-	रु.3,60,00,000/-

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(राधाबिनोद शर्मा, भा.प.से.)
आयुक्त तथा प्रशासक
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा भाईंदर महानगरपालिका

प्रशासकीय ठरावासाठी गोषवारा

// बांधकाम/ विद्युत विभाग //

दि. २६/०३/२०२५

प्रकरण क्रमांक. (४६७) मिरा भाईंदर महानगरपालिका क्षेत्रातील मिरारोड (पूर्व) व (पश्चिम) यांना जोडणारा रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी खर्चास व विहीत नमुन्यात शासनास प्रस्ताव पाठविणेस मान्यता देणे.

// प्रस्तावना //

मिरा भाईंदर महानगरपालिका क्षेत्रातील मिरारोड (पूर्व) व (पश्चिम) यांना जोडणारा रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणाऱ्या सॉल्ट विभागाच्या जागेचे मुल्यांकनाबाबत खालीलप्रमाणे सादर करण्यात येत आहे.

सदर रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणाऱ्या सॉल्ट विभागाच्या जमिनीचे बाधित होणारे एकूण क्षेत्र 57415.00 चौ.मी. इतके असून सदर जागेचे सन 2024-25 च्या वार्षिक मुल्यदर तक्त्यानुसार (सोबत जोडलेल्या प्रपत्र-अ नुसार) रु. 37,12,21,506/- (अक्षरी रक्कम रु. सद्दोतीस करोड बारा लाख एकवीस हजार पाचशे सहा मात्र.) इतके मुल्यांकन होत असून केंद्र शासनाचे वाणिज्य व औद्योगिक मंत्रालयाकडील दि.23/08/2024 रोजीच्या जाहीर केलेल्या मार्गदर्शक धोरणानुसार सार्वजनिक सुविधे अंतर्गत रस्ते बांधणेसाठी राज्य शासनाकडील "Guideline Value / Circle Rate" नुसार होणाऱ्या एकूण मुल्याच्या 10% रक्कमेचा भरणा केल्यानंतर सॉल्ट विभागाकडील जमिन हस्तांतरीत करता येते. तसेच सदरच्या धोरणानुसार Mangrove / Protected Forest / Creeks & Water Bodies या क्षेत्रामध्ये येणाऱ्या जमिनी राज्य शासनाला विनामुल्य हस्तांतरीत करता येवू शकतात. सदर एकूण सॉल्ट विभागाचे बाधित जमिनीपैकी CRZ-IB मध्ये 4592.00 चौ.मी. CRZ-II मध्ये 52823.00 चौ.मी. जमिन बाधित होत आहे. त्यामुळे उपरोक्त धोरणामधील तरतूदीनुसार फक्त Mangroves अंतर्गत जमिनी विना मोबदला हस्तांतरीत करणेबाबत तरतूद असली तरी सदर Mangroves अंतर्गत CRZ-IA, CRZ-IB ह्या Ecological Censitive जमिनी असल्याने त्यादेखील Mangrove व Mangrove Buffer चा पार्ट असल्याने व CRZ-II या संबंधित विभागाचे नाहरकत घेऊन त्या-त्या वापर विभागाच्या अनुषंगाने वापर अनुज्ञेय असल्याने CRZ-II जमिनी ह्या उपरोक्त धोरणामधील तरतूदीनुसार येत नाहीत. त्यामुळे CRZ-II व ना-विकास विभाग यामधील जमिनीचे मुल्यांकन एकत्रित करणे व CRZ-IA, IB यांचे एकत्रित मुल्यांकन करणे आवश्यक असून त्यानुसार CRZ-II क्षेत्रासाठी रु. 36,13,09,320/- एवढे मुल्यांकन होत असून त्यानुसार 10% प्रमाणे भरावयाचे शुल्क

रु. 3,61,30,932/- एवढे होत आहे. तसेच CRZ-IB खालील 4592.00 चौ.मी. क्षेत्रासाठीचे एकूण मुल्यांकन

रु. 99,12,186/- एवढे होत असून सदरचे क्षेत्र उपरोक्त धोरणानुसार विना मुल्य घेणे आवश्यक आहे.

तरी सदर मीठ विभागाची जागा ताब्यात घेणेसाठी राज्य शासनामार्फत मीठ विभागकडे प्रस्ताव पाठविणेस आवश्यक असल्याने विहीत नमुन्यात प्रस्ताव पाठविणेस व सदर रस्त्याचे मुल्यांकन रक्कम रस्ता हस्तांतरण प्रक्रीयेवेली भरणेसाठी प्रशासकीय ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देणेस शिफारस आहे.


(दिपक खांबित)

शहर अभियंता

मिरा भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

भा. महासभा / स्थानीय शासकीय सभा
प्रतिपत्र क्र. २६/०३/२४ र. ११-५०००
प्रतिपत्र क्र. ४८० नं. २०२५/२६
१६/५/२४
२६/३/२४
सहस्र विभाग
मिरा-भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव क्र. ४६७ दिनांक :- २६/०३/२०२५

प्रकरण क्रमांक :- (४६५) मिरा भाईंदर महानगरपालिका क्षेत्रातील मिरारोड (पूर्व) व (पश्चिम) यांना जोडणारा रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी खर्चास व विहीत नमुन्यात शासनास प्रस्ताव पाठविणेस मान्यता देणे.

कार्यालयीन प्रस्तावना

मिरा भाईंदर महानगरपालिका क्षेत्रातील मिरारोड (पूर्व) व (पश्चिम) यांना जोडणारा रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणाऱ्या सॉल्ट विभागाच्या जागेचे मुल्यांकनाबाबत खालीलप्रमाणे सादर करण्यात येत आहे.

सदर रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणाऱ्या सॉल्ट विभागाच्या जमिनीचे बाधित होणारे एकूण क्षेत्र 57415.00 चौ.मी. इतके असून सदर जागेचे सन 2024-25 च्या वार्षिक मुल्यदर तक्त्यानुसार (सोबत जोडलेल्या प्रपत्र-अ नुसार) रु. 37,12,21,506/- (अक्षरी रक्कम रु. सद्दीस करोड बारा लाख एकवीस हजार पाचशे सहा मात्र.) इतके मुल्यांकन होत असून कैद शासनाचे वाणिज्य व औद्योगिक मंत्रालयाकडील दि.23/08/2024 रोजीच्या जाहीर केलेल्या मार्गदर्शक धोरणानुसार सार्वजनिक सुविधे अंतर्गत रस्ते बांधणेसाठी राज्य शासनाकडील "Guideline Value / Circle Rate" नुसार होणाऱ्या एकूण मुल्याच्या 10% रक्कमेचा भरणा केल्यानंतर सॉल्ट विभागाकडील जमिन हस्तांतरीत करता येते. तसेच सदरच्या धोरणानुसार Mangrove / Protected Forest / Creeks & Water Bodies या क्षेत्रांमध्ये येणाऱ्या जमिनी राज्य शासनाला विनामुल्य हस्तांतरीत करता येवू शकतात. सदर एकूण सॉल्ट विभागाचे बाधित जमिनीपैकी CRZ-IB मध्ये 4592.00 चौ.मी. CRZ-II मध्ये 52823.00 चौ.मी. जमिन बाधित होत आहे. त्यामुळे उपरोक्त धोरणामधील तरतूदीनुसार फक्त Mangroves अंतर्गत जमिनी विना मोबदला हस्तांतरीत करणेबाबत तरतूद असली तरी सदर Mangroves अंतर्गत CRZ-IA, CRZ-IB ह्या Ecological Censitive जमिनी असल्याने त्यादेखील Mangrove व Mangrove Buffer चा पार्ट असल्याने व CRZ-II या संबंधित विभागाचे नाहरकत घेऊन त्या-त्या वापर विभागाच्या अनुषंगाने वापर अनुज्ञेय असल्याने CRZ-II जमिनी ह्या उपरोक्त धोरणामधील तरतूदीनुसार येत नाहीत. त्यामुळे CRZ-II व ना-विकास विभाग यामधील जमिनीचे मुल्यांकन एकत्रित करणे व CRZ-IA, IB यांचे एकत्रित मुल्यांकन करणे आवश्यक असून त्यानुसार CRZ-II क्षेत्रासाठी रु. 36,13,09,320/- एवढे मुल्यांकन होत असून त्यानुसार 10% प्रमाणे भरावयाचे शुल्क रु. 3,61,30,932/- एवढे होत आहे. तसेच CRZ-IB खालील 4592.00 चौ.मी. क्षेत्रासाठीचे एकूण मुल्यांकन रु. 99,12,186/- एवढे होत असून सदरचे क्षेत्र उपरोक्त धोरणानुसार विना मुल्य घेणे आवश्यक आहे.

तरी सदर मीठ विभागाची जागा ताब्यात घेणेसाठी राज्य शासनामार्फत मीठ विभागकडे प्रस्ताव पाठविणेस आवश्यक असल्याने विहीत नमुन्यात प्रस्ताव पाठविणेस व सदर रस्त्याचे मुल्यांकन रक्कम रस्ता हस्तांतरण प्रक्रीयेवेली भरणेसाठी प्रशासकीय ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देणेचा प्रशासनाचा प्रस्ताव आहे.

प्रशासकीय ठराव क्र.४६७ दिनांक २६ / ०३ / २०२५

वरील प्रस्तावाचे अवलोकन करण्यात आले, महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषतः कलम ४५२ (अ) च्या (१अ) व (१ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ २०२०/प्र.क्र.७१ (भाग-२)/ नवि-१४ दिनांक २६ ऑगस्ट २०२२ अन्वये प्राप्त अधिकारानुसार मी, राधाबिनोद शर्मा, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करून प्रशासनाने सादर केल्यानुसार मिरा भाईंदर महानगरपालिका क्षेत्रातील मिरारोड (पूर्व) व (पश्चिम) यांना जोडणारा रेल्वे वरील उड्डाणपूल बांधणेकरीता डिमार्केशनमध्ये बाधित होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी आवश्यक रक्कम भरण्यास व विहित नमुन्यात शासनास प्रस्ताव पाठविणेस या ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देण्यात येत आहे.

सदर कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(राधाबिनोद शर्मा, भा.प्र.से.)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत :- बांधकाम/ विद्युत विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा भाईंदर महानगरपालिका

प्रशासकीय ठरावासाठी गोषवारा

// बांधकाम/ विद्युत विभाग //

दि. २६/०३/२०२५

प्रकरण क्रमांक. (४६८) मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी खर्चास व विहीत नमुन्यात शासनास प्रस्ताव पाठविणेस मान्यता देणे.

// प्रस्तावना //

मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणाऱ्या सॉल्ट विभागाच्या जागेचे मुल्यांकनाबाबत खालीलप्रमाणे सादर करण्यात येत आहे.

सदर प्रकरणी नगररचना विभागास मिरा भाईंदर महानगरपालिका क्षेत्रातील मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाच्या जागेचे मुल्यांकन करून मिळणेकामी जा.क्र.मनपा/साबा/६६८९/२०२४-२५, दि. १८/०२/२०२५ अन्वये प्रस्ताव सादर केला असता, नगररचना विभागामार्फत जा.क्र. मनपा/नर/५०३०/२०२४-२५, दि. २१/०३/२०२५ अन्वये मुल्यांकन अहवाल प्राप्त झालेला आहे. त्यानुसार मौजे-भाईंदर, स.क्र. २२९(७५८) व मौजे-मुर्घे, स.क्र. ३५(२४४)/ब या जागेतील सॉल्ट विभागाने बाधीत २८०२६.०० चौ.मी. क्षेत्राचे एकुण मुल्यांकन रु. ५,०३,१२,१३०/- इतकी होत असून, त्यापैकी CRZ-१A खालील २५९५५.०० चौ.मी. क्षेत्रासाठीचे मुल्यांकन रु. ३,७९,३५,८३४/- एवढे होत असून, सदरचे क्षेत्र शासनाचे धोरणानुसार विनामुल्य घेणे आवश्यक आहे. तसेच CRZ-II व ना-विकास क्षेत्राखालील २०७१.०० चौ.मी. क्षेत्रासाठीचे मुल्यांकन रु. १,२३,७६,२९६/- एवढे होत असून, त्यानुसार १०% प्रमाणे भरावयाचे शुल्क रु. १२,३७,६३०/- एवढे होत आहे. मिरा भाईंदर महानगरपालिका क्षेत्रातील मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाची जागा भूसंपादन करणेकामी रु. १२,३७,६३०/- एवढे होत आहे. तसेच CRZ-१A खालील २५९५५.०० चौ.मी. क्षेत्रासाठी एकुण मुल्यांकन रु. ३,७९,३५,८३४/- एवढे होत असून, सदरचे क्षेत्र उपरोक्त धोरणानुसार विनामुल्य घेणे आवश्यक आहे.

तरी सदर मीठ विभागाची जागा ताब्यात घेणेसाठी राज्य शासनामार्फत मीठ विभागकडे प्रस्ताव पाठविणेस आवश्यक असल्याने विहीत नमुन्यात प्रस्ताव पाठविणेस व सदर रस्त्याचे मुल्यांकन रक्कम रस्ता हस्तांतरण प्रकियेवेळी भरणेसाठी प्रशासकीय ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देणेस शिफारस आहे.


(दिपक खांबेत)

शहर अभियंता

मिरा भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मा. महामंडळी समिती राभा
दिनांक 26/03/2024 ते 27/04/24
४९९
२६/३/२४
मिरा भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव क्र. ४६८ दिनांक :- २६/०३/२०२५

प्रकरण क्रमांक :- (४६८) मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी खर्चास व विहीत नमुन्यात शासनास प्रस्ताव पाठविणेस मान्यता देणे.

कार्यालयीन प्रस्तावना

सदर प्रकरणी नगररचना विभागास मिरा भाईंदर महानगरपालिका क्षेत्रातील मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाच्या जागेचे मुल्यांकन करून मिळणेकामी जा.क्र.मनपा/साबा/६६८९/२०२४-२५, दि. १८/०२/२०२५ अन्वये प्रस्ताव सादर केला असता, नगररचना विभागामार्फत जा.क्र. मनपा/नर/५०३०/२०२४-२५, दि. २१/०३/२०२५ अन्वये मुल्यांकन अहवाल प्राप्त झालेला आहे. त्यानुसार मौजे-भाईंदर, स.क्र. २२९(७५८) व मौजे-मुर्घे, स.क्र. ३५(२४४)/ब या जागेतील सॉल्ट विभागाने बाधीत २८०२६.०० चौ.मी. क्षेत्राचे एकुण मुल्यांकन रु. ५,०३,१२,१३०/- इतकी होत असून, त्यापैकी CRZ-१A खालील २५९५५.०० चौ.मी. क्षेत्रासाठीचे मुल्यांकन रु. ३,७९,३५,८३४/- एवढे होत असून, सदरचे क्षेत्र शासनाचे धोरणानुसार विनामुल्य घेणे आवश्यक आहे. तसेच CRZ-II व ना-विकास क्षेत्राखालील २०७१.०० चौ.मी. क्षेत्रासाठीचे मुल्यांकन रु. १,२३,७६,२९६/- एवढे होत असून, त्यानुसार १०% प्रमाणे भरावयाचे शुल्क रु. १२,३७,६३०/- एवढे होत आहे. मिरा भाईंदर महानगरपालिका क्षेत्रातील मेट्रो-९ कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाषचंद्र बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा ४५.०० मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये बाधीत होणारी सॉल्ट विभागाची जागा भूसंपादन करणेकामी रु. १२,३७,६३०/- एवढे होत आहे. तसेच CRZ-१A खालील २५९५५.०० चौ.मी. क्षेत्रासाठी एकुण मुल्यांकन रु. ३,७९,३५,८३४/- एवढे होत असून सदरचे क्षेत्र उपरोक्त धोरणानुसार विनामुल्य घेणे आवश्यक आहे.

तरी सदर मीठ विभागाची जागा ताब्यात घेणेसाठी राज्य शासनामार्फत मीठ विभागकडे प्रस्ताव पाठविणेस आवश्यक असल्याने विहीत नमुन्यात प्रस्ताव पाठविणेस व सदर रस्त्याचे मुल्यांकन रक्कम रस्ता हस्तांतरण प्रक्रीयेवेळी भरणेसाठी प्रशासकीय ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देणेचा प्रशासनाचा प्रस्ताव आहे.

प्रशासकीय ठराव क्र. ४६८ दिनांक २६ / ०३ / २०२५

वरील प्रस्तावाचे अवलोकन करण्यात आले. महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषतः कलम ४५२ (अ) च्या (१अ) व (१ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ २०२०/प्र.क्र.७१ (भाग-२)/ नवि-१४ दिनांक २६ ऑगस्ट २०२२ अन्वये प्राप्त अधिकारानुसार मी, राधाबिनोद शर्मा, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर

करून प्रशासनाने सादर केल्यानुसार मेट्रो-9 कारशेडकडे जाणाऱ्या मिरा भाईंदर महानगरपालिका हद्दीतील सुभाष ..
बोस मैदान ते मौजे-राई गावच्या महसूली हद्दीपर्यंतचा 45.00 मी. रुंद विकास योजना रस्त्याच्या डिमार्केशनमध्ये
बाधित होणारी सॉल्ट विभागाची जागा ताब्यात घेणेसाठी आवश्यक रक्कम भरण्यास व विहित नमुन्यात शासनास
प्रस्ताव पाठविणेस या ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देण्यात येत आहे.

सदर कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.


(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका


(रामाबाई शर्मा, भाप्रसे)
प्रशसक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत :- बांधकाम/ विद्युत विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना