

Sr.	Item of Work	Qty	Unit	Rate	Amount	Reference
1	Enabling works					
1	Providing formwork of ordinary timber planking finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (2) Floors etc. above 200 mm in thickness.	55.00	sq.m	₹ 269.33	₹14,813	_09001B2A
2	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering Below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & string course & the like.	265.00	sq.m	₹ 233.10	₹61,772	_09001CA
3	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (I) Edges of slabs and Breaks in floors and walls.	1.00	sq.m	₹ 66.63	₹67	_09001IA
4	Providing temporary structural support by stacking layered sandbags in the adjoining areas of the historic building carefully including preparation of the ground, laying the sandbag layers and removal afterwards as per the instructions of engineer in charge including procurement and disposal of temporary used materials.	12.60	cu.m	₹ 1,207.50	₹15,215	(RA1)
5	Provision for Erection and dismantling of temporary supports and shoring, on the exterior walls and periphery using heavy MS H frames, Jacks, Studs and clamps etc. A temporary support system shall be installed surrounding the structure without causing any damage to surface, using H frame of tubular sections during work execution, and shall be dismantled after the completion of work for the project duration. In no case scaffolding or any part of it should rest or support on to the historic structure as per the instruction of Engineer / Architect in charge.	972.00	sq.m	₹246.70	₹239,792	(RA2)
6	Provision for Photo documentation, numbering and listing of all the architectural and decorative members including providing 2 Hard copies in print 4"x6" photos and 2 softcopies in Pendrive including photo state copy of list register for the record as per the instruction of Engineer / Architect in charge.	300.00	No.	₹22.14	₹6,642	(RA3)
7	Erection of temporary screen on exterior walls covering the façade using HDPE net/jute fabric/plastic sheets for prevention of dust, dirt, pollution and direct impact on the nearby traffic / residents as per the instruction of Engineer / Architect in charge.	645.00	sq.m	₹92.23	₹59,488	(RA4)
2	Dismantling, Excavation and Removal					

8	Manually dismantling bulged, out of plumb, decayed or deteriorated decorated, dressed and carved masonry wall or veneering very carefully layer by layer; in a skillful manner using appropriate tools and means, without causing any damage to the stone members or adjoining parts of structure, including numbering each member using reversible medium, wrapping with jute or cushioning cover and taking down stones with help of chain pulley block and other tools and means. Including carrying and stacking stones and serviceable materials separately at a pre-designated place within a lead up to 100m and lift/lowering up to 8mtr. as directed by Engineer/Architect in charge.	1.00	cu.m	₹6,325.00	₹ 6,325	(RA5)
9	Manually dismantling bulged, out of plumb, decayed or deteriorated masonry wall or veneering very carefully layer by layer in a skillful manner using appropriate tools and means without causing any damage to the stone members or adjoining parts of structure including numbering each member using reversible medium and taking down stones with help of chain pulley block and other tools and means. Including carrying and stacking stones and serviceable materials separately at a pre-designated place within a lead upto 100m and lift.lowering upto 8mtr. as directed by Engineer in charge.	1.00	cu.m	₹4,978.35	₹ 4,978	(RA6)
10	Providing and installation of temporary propping by jacking, shoring support and structural framing for precarious portions or adjoining areas of structural operations including use of wooden paddings, Rubber or Cloth cushions, MS Jacks, sections, wooden shores, bamboo props, plywood panels, steel plates and PE/foam or other form of coverings including bolting, nailing or fixing without making holes into the historic surfaces, with necessary anchoring and fixing as per the instructions of Engineer in charge.	26.00	sq.m	₹1,512.88	₹ 39,335	(RA7)
11	Manual Dismantling of architectural members such as column capital, base, brackets and decorative/carved members carefully, layer by layer in a skillful manner, using appropriate tools and means without causing any damage to the stone members or adjoining parts of structure, including numbering each member using reversible medium and taking down stones with help of chain pulley block and other tools and means. Including carrying and stacking stones and serviceable materials separately at a pre-designated place within a lead up to 100m and lift/lowering up to 8mtr. as directed by Engineer/Architect in charge. (The carved members shall be protected and lowered very carefully wrapped in jute/rubber or soft covering using husk etc. for stacking at designated place). (i) Stones with length 0-75 cm	5.00	No.	₹4,153.23	₹20,766	(RA8)
12	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	5.00	sq.m	₹ 46.31	₹232	_20005
13	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	2.00	cu.m	₹ 201.81	₹404	04B001A
14	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	1.00	cu.m	₹ 443.11	₹443	04B001C
15	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	0.50	cu.m	₹ 502.50	₹251	04B001D

16	Excavation for foundation from 1.5 m to 3m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	0.50	cu.m	₹ 284.63	₹142	04002D
17	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	1.00	cu.m	₹ 565.20	₹565	04B003D
18	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	3.00	cu.m	₹ 129.10	₹387	04006
19	Add extra for Disposing off the excavated stuff of above items for lead of (A) 50 m to 100 m	0.45	cu.m	₹ 17.28	₹8	04005A
20	Geotextile fabric for waterproofing	143.00	sq.m	₹ 713.00	₹101,959	26173
21	Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Lime Mortar 1:1.5 (1-Lime : 1.5-coarse sand including levelling up etc. complete	1.00	cu.m	₹ 2,321.69	₹2,322	_07001CA
22	Extra over Item 7.6 for super structure above plinth level upto floor two level	1.00	cu.m	₹ 353.10	₹353	_07002
23	Extra for additional lift in superstructure above floor two level.	0.50	cu.m	₹ 24.75	₹12	_7003A
24	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	0.40	cu.m	₹ 438.11	₹175	04007A
25	Providing and laying in foundation and plinth / under floors lime concrete with hand broken stone aggregates 40mm nominal size and 40% mortar comprising of 1-Lime putty : 2-Fine sand and curing complete excluding cost of formwork.	0.40	cu.m	₹ 2,739.00	₹1,096	05001A
26	Writing letter or figures on any surface with black japan paint (stops,comas, hyphens and the like not to be measured and paid for separately)(i) Block (Letters/Figures)	5000.00	per letter per cm/ht.	₹ 3.15	₹15,750	19023A
27	Extra over items 19.119 for using thick white paint instead of black japan paint. (i) Block (Letters/Figures)	5000.00	per letter per cm/ ht	₹ 0.07	₹350	19024A
28	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	17.25	cu.m	₹ 1,020.60	₹17,605	_20002
29	Demolition of Brickwork and Stone masonry, including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	3.60	cu.m	₹ 530.78	₹1,911	_20003B
30	Dismantling wood work, wrought framed and fixed in frames trusses including stacking the materials with all lead and lift.	27.00	cu.m	₹ 1,694.70	₹45,757	_20010
31	Removing and scraping of old deteriorated plaster of any thickness fromm wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	1122.00	sq.m	₹ 18.75	₹21,038	_20045
32	Disposal of unusable debris, malba and other materials from site up to conveyance From 3.0 Km (10.00 Tonne) (SOR15-16, Item I020 pg 34)	100.00	No.	₹174.00	₹17,400	(SOR15-16, Item I020 pg 34)
3	Structural Stone Works					

33	Manually and very carefully carrying out cleaning treatment using non-abrasive soft plastic bristles brushes, Natural fibre, phosphor bronze, plastic knives, wooden spikes and nylon brushes can be used to remove any dirt, dust, deposition or lined up moss lichens. No metallic / surface abrasive hard material should be used. The cost is inclusive of taking the artifact manually from the storage shelter covered duly with jute or cloth material before any shifting or movement. The artifact shall be laid on its plain or less important surface on the working platform and only dry brushing or cleaning shall be done. The sizes of artifacts are varying including carving depth, shape and size. The Work shall also include keeping back the artifact at designated location specified by the archaeologist/curator –in– charge. The cleaned items shall be inspected by the authority and only those selected for the carrying out next level of cleaning and treatment shall be taken up for further cleaning. Remaining shall be kept safely in the storage area as specified.	746.00	sq.m	₹681.66	₹508,518	(RA9)
34	Chemical Cleaning and treatment including removal of lichen, moss, algae etc from stone surface using liquor Ammonia and Teepol of the required quantity and proportion, applying OH-100(Ethyl Silicate) by spraying or applying with brush on dry stone surface, including fungicid treatment with Sodium Pentachlorophenoate including application of biocide Biosilo 111 or equivalent and Preservative Fluoline HY or equivalent in proportion 1:15 etc. Complete as per the instruction of Architect/Engineer in charge.	495.00	sq.m	₹1,249.50	₹618,503	(RA10)
35	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(B) Conventional	5.00	cu.m	₹ 3,847.81	₹19,239	06005BA
36	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	2.00	Cu.m	₹ 265.65	₹531	06006B
37	Extra for brick work in superstructure above floor two level Item No. 5	0.50	p.fl/cu.m	₹ 41.23	₹21	06007E1A
38	(iii) Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (B) Conventional	15.00	sq.m	₹ 566.91	₹8,504	_06008C2A
39	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional	15.00	sq.m	₹ 51.32	₹770	_06010B
40	White Stone Bela masonry block in course in superstructure with stone of approved quality in Lime Mortar 1:1.5 (1-Lime putty : 1.5- finesand) including packing the joints etc. complete.	2.00	cu.m	₹ 4,001.18	₹8,002	_07008A
41	Providing and reconstructing manually chisel dressed ashlar stone masonry, using Idar/Gwalior/Dhrangadhra sandstone of approved quality, matching with original, including chisel dressing and shaping as per original pattern. The masonry work shall be done in 1:1:1 (lime : surkhi : sand), mortar prepared in lime chakki or grinder, in traditional method including mixing of organic additives of jaggery, Gugal and Methi etc. Masonry work shall include binding with Rosewood dowels and pins where necessary, including curing and cleaning complete as per the instruction of Architect/Engineer in charge.	9.63	cu.m	₹59,631.27	₹574,249	(RA11)

42	Providing and resetting stone masonry using stacked good servicable sandstone from the site including redressing where necessary. Maximum efforts should be taken to put the numbered stones onto its original location unless approved otherwise. The masonry work shall be done in 1:1:1 (lime: stone dust:sand) mortar prepared in lime chakki or grinder in traditional method including mixing of organic additives of jaggery, Gugal and Methi etc. Mortar shall be free from cement and impurities. as onry. as per direction of Engineer/Architect-in-Charge.	1.00	cu.m	₹22,960.64	₹22,961	(RA12)
43	Providing and laying sandstone slabs in Idar/Gwalior/Dhrangadhara good quality sandstone slabs up to depth of 300mm and length up to 3500mm or similar as directed by the architect/engineer in charge. The slab stones shall be cut for interlocking positioning and raised to roof level using hydraulic crane, chain pulley blocks and other mechanism without damaging the superstructure of the gate. The slabs shall be put into position and laid one after another to complete the slab assembly. Including leveling, final installation in traditional lime mortar in 1:1:1 (Lime:Surkhi:Sand) including cleaning, curing etc. As per the instruction of Architect/Engineer in charge.	3.00	cu.m	₹56,045.00	₹168,135	(RA13)
44	Restoration and resetting and partial reconstruction of sandstone slabs using dismantled material after manual chisel dressing as per its original pattern and position unless mentioned otherwise by engineer in charge. The slab stones shall be cut for interlocking positioning and raised to roof level using hydraulic crane, chain pulley blocks and other mechanism without damaging the superstructure of the gate. The slabs shall be put into position and laid one after another to complete the slab assembly. Including leveling, final installation in traditional lime mortar in 1:1:1 (Lime:Surkhi:Sand) including cleaning, curing etc. As per the instruction of Architect/Engineer in charge.	1.00	cu.m	₹20,580.14	₹20,580	(RA14)
45	Providing and laying Lime concrete on terrace including neat finishing with 20mm nominal size gravel/stone aggregate and 40% mortar comprising of 1 lime : 2 surkhi : 4 coarse sand in floor laid to required slope and camber in panels as required including consolidation finishing and tamping curing, cleaning etc complete as per direction of Engineer/Architect-in-Charge.	14.30	cu.m	₹6,505.74	₹93,032	(RA15)
46	20mm thick lime plaster of mix in two layers. Under layer 12mm thick finished with a top layer 8 mm thick.	1122.00	sq.m	₹477.70	₹535,979	Tata Trust SOR (6.1)
47	Lime punning with a mixture of lime putty (screened and pressed through) and marbledust mixed with Gur, Bilgri, Urd and other ingredients followed by grinding to fine consistency for smooth finishing of mix 1:2 (1 lime : 2 marble powder).	1122.00	sq.m	₹312.30	₹350,401	Tata Trust SOR (6.4)
48	Making cornice band with ornamental design as per the cexisting design with lime plaster 1:3 (1 lime putty : 3 fine sand). Size 150 mm wide and 50 mm average thickness	34.00	rmt.	₹667.70	₹22,702	Tata Trust SOR (6.5)
49	Providing and fixing sand stone in situ patch repairs of different shape as approved by engineer in charge including simple moulding carving and make shape as per original including chiseling out bit by bit old decayed stone without disturbing to the adjoining stone and including supply of all required materials labour T&P etc. required for proper completion of work.	150.00	No.	₹2,565.65	₹384,848	(RA16)

50	Repair and Re-installation of Spout outlet in Sandstone which can drain off the rain water collected on the roofs and surface. UPVC pipes shall be used inside the sandstone spouts. This work shall be executed during the roof parapet construction at level designated for floor finish as per the instructions by architect/engineer in charge	6.00	No.	₹2,634.65	₹15,808	(RA17)
51	Providing and fixing of SS dowels as per structural drawing & design in the brick/stone masonry wall. Drilling a hole by mechanical means at marked positions at the required angle and to the specified depth from the outer face of the wall. Cleaning out all dust from the hole and thoroughly flushing with water, ensuring the hole is damp or primed prior to inserting the nozzle. SS pins to be injected in the drilled holes of masonry with the help of pressure gun, ensuring that it remains tight after setting as directed by structural engineer / manufacturer. All above excluding staging/scaffolding, at places wherever necessary.	50.00	No.	₹353.63	₹17,682	(RA18)
52	Fixing of Carbon 100mmx1.4mm carbon laminate with adhesive including all manpower and equipments complete in all respects.	350.00	Rm	₹6,717.00	₹2,350,950	(MH_SOR)
53	Provision for unforeseen works especially in foundations, heartin masonry or adjoining walls if required as per the advise from structural expert or engineer/architect in charge. This Item shall be executed only if required as per the actual requirement and payment shall be done based on actual measurements.	1.00	Ls	₹400,000.00	₹400,000	
4 Wood work & Steel Works						
54	Removal of dirt, old paint, oil grease etc. from steel sections under the supervision of trained conservator by mechanical scrapping, or by applying mild chemicals or by resorting to burning with blow lamps etc. Cleaned surface to be sand papered employing different grades of sand papers. (Rates includes all operations described above and shall apply for all levels and heights. Nothing extra over quoted rates shall be payable.)	1441.00	sq.m	₹664.70	₹957,833	Tata Trust SOR (13.2)
55	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	1441.00	sq.m	₹381.00	₹549,021	Based on CPWD DAR VOL-II (13.48.3) Rustc on
56	Applying priming coat over new steel and other metel surface after and including preparing the surface by throughly cleaning, oil,grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead.	900.00	sq.m	₹34.34	₹30,906	19001
57	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanicn the surface of all dirt, dust and other foreign matter.	900.00	sq.m	₹86.94	₹78,246	19002
58	Providing and erection of structural and non structural steelwork as per design pattern and detailing as finalised by Conservation Architect or Structural Engineer in charge. Inclusive but not limited to use of I sections, Box Sections, Pipe sections, channel frames, Plates and others including welding, bolting or riveting and necessay drill holes, hoisting, fixing, Cuts and bends as per the design suggested by Conservation Architect	259.05	q	₹8,958.28	₹2,320,642	11002AA

59	Removing white or colour wash or oil, grease, paint etc. in multiple layers under the supervision of trained conservator from wood surfaces at all heights by scrubbing with bristle brushes applying hot/ warm water wherever necessiated. A gentle use of air abrasive tools may be permitted as long as no damage to the original surface is ensured. The surface shall finally be cleaned by hand rubbing and rinsing with clean water to obtain nearly original surface, colour and texture (The rate shall include all the above operations, cost of material, tools and tackles etc. including erecting the scaffolding and dismantling the scaffolding after the work is completed.)	500.00	sq.m	₹ 859.80	₹429,900	Tata Trust SOR (13.1)
60	Carrying out timber treatment to all wood work including drilling holes and spraying oil based chemical solution on surface of timber work for termite control including labor and material etc. complete. Using Chlorpyrifos 20 EC as per 6313 2013 Part III (1% concentration by mass) is recommended one litre chemical emulsion diluted with 19 liters of kerosene. Total diluted concentration will be 20 liters inclusive of 1 liter chemical emulsion application in drilled holes and 0.75 / Litre chemical per one Sqmt two coat on wood surface not protected by paint or varnish.	500.00	sq.m	₹57.73	₹28,865	_20004B
61	Seasoning wood by Linseed oil over wooden members after scrapping the surface, filling up voids and cracks with wooden filler and preparing surface using sand paper or file. The surface must be scrapped enough to remove all stains and deposits to achieve smooth original timber surface which shall be applied with undiluted Linseed oil by dipping the piece of wood for minimum 24 hours in hot oil plate before final installation. During this work, no dust or dirt deposition should reach the wet timber surface. Cost including all the covering and sheltering of work area to prevent dust deposition on wet areas. Cost including reaching and working at all heights and areas within the site limit.	500.00	sq.m	₹1,254.17	₹627,085	RA21
62	Polishing with french polish on new wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler.	10.00	sq.m	₹ 123.48	₹1,235	_19017
63	Coat tarring two coats on new wood and wood based surfaces using 0.16 and 0.12 Litres of coal tar per Sq.M. in the first and second coat respectively to give an even shade including cleaning of all dirt, dust and other foreign matter	1.00	sq.m	₹ 32.93	₹33	_19021
64	Providing wood work in Trusses, Purlin, Rafter, Post, Post Plates, wall plates, main gate framing and traditional wooden shutters of the temple and the like wrought framed, hoisted and fixed in position	8548.00	cu.dm	₹ 1,336.98	₹11,428,505	10002A
65	Providing wood work in frames of false- ceiling, partitions etc sawn and put up in position. (A) Indian Teak Wood	10332.00	cu.dm	₹ 653.88	₹6,755,888	10003A
66	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised aluminium butt hinges with necessary screws. (A) Indian Teak Wood (iii) Partly panelled and partly glazed.	62.00	sq.m	₹ 3,557.15	₹220,543	10004CA
67	Providing and installation of traditional type hardware fixtures in brass/C.P. brass for each shutter of openings like doors, windows, main gates, etc.	23.00	No.	₹865.56	₹19,908	(RA19)
5 MEP Services						
68	Providing cement Vata (10 cm x 10 cm size) quarter round in cement mortar 1 : 1 including neat cement finishing watering etc. complete.	50.00	Rmt.	₹ 23.45	₹ 1,202.00	17015

69	Providing and laying broken china mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc complete as Approved / directed by the Engineer-in-Charge.	143.00	Sq.m.	₹ 739.89	₹ 110,393.14	14035
70	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories, Cat III,Note:- Maximum up to 10 mtrs length, excess will be considered as Mains for Point.	20.00	No.	₹360.00	₹ 7,200.00	RMC Annual Rate Contract RN 516 23
71	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(a) with medium class Rigid PVC pipe and accessories, Class III	8.00	No.	₹360.00	₹ 2,880.00	RMC Annual Rate Contract RN 516 23
72	Point wiring for on board Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories, On same switch board,[I] For 6A Plug with 2-1.5 sq.mm Cu. Wire,(a) with medium class Rigid PVC pipe and accessories, Cat III	20.00	No.	₹320.00	₹ 6,400.00	RMC Annual Rate Contract RN 516 23 (Item No. 4)
73	Point wiring for on board Plug with & earthwire of 2.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories, On same switch board,[I] For 16A Plug with 2-2.5 sq.mm Cu. Wire,(a) with medium class Rigid PVC pipe and accessories, Cat III	14.00	No.	₹495.00	₹ 6,930.00	RMC Annual Rate Contract RN 516 23 (Item No. 5)

74	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.(a) with medium class Rigid PVC pipe and accessories, Cat III	5.00	No.	₹380.00	₹ 1,900.00	RMC Annual Rate Contract RN 516 23 (Item No. 3)
75	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.9, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.): LED TUBE LIGHT 36-40 W CAT. III	20.00	No.	₹690.00	₹ 13,800.00	ELE SOR 2.16.2
76	Supply, Installation, Testing and Commissioning of suitable sweep, BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC) permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos. Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM, 230V (tolerance as per IS: 374-2019), THD < 10%, compatible with electronic regulator unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection, 50 Hz, Single phase AC Supply, earthing etc. Complete as required. [Make shall be approved by Engineer in Charge] (A) 1200 mm Sweep (48")	8.00	No.	₹3,070.00	₹ 24,560.00	ELE SOR 5.1.8
77	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V, Power Factor more than 0.9, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete. IP20 11-15W	15.00	No.	₹550.00	₹ 8,250.00	ELE SOR 2.16.4
78	Spot Light cat iii 8-11 W	20.00	No.	₹1,770.00	₹ 35,400.00	ELE SOR 2.16.5

79	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V, Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy 100 lumens/watt. LED driver efficiency > 85 %. (fittings required LM-79 & LM-80 certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.) FLOOD LIGHT 200 W	20.00	No.	₹12,500.00	₹ 250,000.00	ELE SOR 2.17.2
80	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm	50.00	Mtr	₹60.00	₹ 3,000.00	Item No.15A
81	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire	50.00	Mtr	₹80.00	₹ 4,000.00	Item No. 15D
82	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 1 wires of 4 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire	50.00	Mtr	₹110.00	₹ 5,500.00	Item No. 15G
83	Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and backfilling the same and making the surface as normal ground.	50.00	Mtr	₹46.00	₹ 2,300.00	Item No. B labour 2
84	Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7.5 Cms. layer of sand above & below cable (16 bricks per meter)	100.00	Mtr	₹52.00	₹ 5,200.00	Item No. 9 B labour
85	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth for laying of cable. below ground / road surface for enclosing cable and back filling the same to make ground as per original.(A)50 mm dia	100.00	Mtr	₹62.00	₹ 6,200.00	Item No. 9A
86	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth for laying of cable. below ground / road surface for enclosing cable and back filling the same to make ground as per original.(B)90 mm dia	50.00	Mtr	₹101.00	₹ 5,050.00	Item No. 9C

87	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications.(a) For Electrical Installation up to 440V in normal soil Length of pipe - 2 Mtr Back filling compound - 1 Nos Bag of 20 Kg.	1.00	no	₹8,288.00	₹ 8,288.00	Item No. 26
88	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) Three phase 6 way SS Double door for single phase outgoing horizontal box	1.00	No	₹2,410.00	₹ 2,410.00	3.11.5.L
89	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) Three phase 8 way SS Double door for single phase outgoing horizontal box	2.00	No	₹2,810.00	₹ 5,620.00	3.11.5.M
90	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity 40 AMP CAT III	2.00	No	₹580.00	₹ 1,160.00	3-10-5.B
91	Miniature circuit breaker single pole 6A to 32A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI MarkCAT III	5.00	No	₹100.00	₹ 500.00	3.10.1
92	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP CAT III	9.00	No	₹2,250.00	₹ 20,250.00	3.12.1
93	Half / One Module Blanking Plate of Standard Size.	2.00	No	₹8.00	₹ 16.00	3.11.1
94	Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	2.00	No	₹150.00	₹ 300.00	3.11.4
95	Solderless crimping type COPPER lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	20.00	No	₹7.00	₹ 140.00	4.7.2
96	Solderless crimping type COPPER lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (B) 10 Sq.mm	20.00	No	₹8.00	₹ 160.00	4.7.2
97	Solderless crimping type COPPER lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (c) 16 Sq.mm	20.00	No	₹9.00	₹ 180.00	4.7.2
98	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (B) 10 Sq.mm	20.00	No	₹10.00	₹ 200.00	4.7.1

99	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (D) 2 to 4 core 10 Sq. mm	3.00	No	₹28.00	₹ 84.00	4.6.1
100	Providing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock	1.00	No	₹144.00	₹ 144.00	10.2.1
101	Supplying rubber matting of 6 mm thickness as per IS 5424 and of required length and breadth with good insulation property for 22 KV	1.00	Sq.Mtr	₹990.00	₹ 990.00	10.2.3
102	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	1.00	No.	₹350.00	₹ 350.00	10.2.5
103	Supplying FIRE bucket round bottom of 9 litres capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	4.00	No.	₹250.00	₹ 1,000.00	10.2.6
104	Wall hook 22 to 25 cms. projection for keeping fire buckets made out of 15 mm dia. M.S rod grouted in wall to a depth of minimum 15 cms.	4.00	No.	₹47.00	₹ 188.00	10.2.8
105	liasoning with local / state or other government body for electrical and fire installation inspection and getting certificate for the approval	1.00	No.	₹50,000.00	₹ 50,000.00	
106	Supplying & erecting D.C.P. type fire extinguisher for following capacity cartridge type with gun metal cap 150 gram CO2 gas cartridge, powder and brackets confirming to IS 2171 1985 and complete erected with necessary clamps made from 50 x 6 mm M S Flat with nuts and bolts grouted in wall complete.[A] For 5 Kg Capacity	5.00	No.	₹1,970.00	₹ 9,850.00	10.2.20
107	Supplying & erecting D.C.P. type fire extinguisher for following capacity cartridge type with gun metal cap 150 gram CO2 gas cartridge, powder and brackets confirming to IS 2171 1985 and complete erected with necessary clamps made from 50 x 6 mm M S Flat with nuts and bolts grouted in wall complete.[B] For 10 KG Capacity	5.00	No.	₹2,570.00	₹ 12,850.00	10.2.20
108	Providing an installation for DIRECTIONAL signage wall mounted using cast iron brackets and fixing a Corten steel-plate of 6mm thickness over it including laser cut names coated with epoxy paint, as per the design issued by the architect incharge	5.00	per unit	₹21,269.15	₹ 106,346	RA20

109	<p>Providing and erecting Outdoor unit for Inverter based Split A.C. Machine unit consisting following component (1) Air Cooled Condenser unit having minimum face area of 0.235 Sq.Mtr. made out of 27 / 30 gauge copper tube and cover with Aluminium fins of 12-13FPI with 3/4 Row deep (2) Approved make new power saver rotary sealed type compressor suitable for operation on 220/230V. 50 c/s. A.C. supply for Split type A.C Machine (3) Suitable Size of condensor motor for operation on 220/230V. 50 c/s. A.C. supply with fan blade and require running and starting capacitor (4) Suitable Size of Copper capillary tube of 0.055"/0.060"/0.064" bored for Split A.C.Machine (5) outdoor unit PCB Circuit AND</p> <p>Providing and erecting Indoor unit for Inverter based Split A.C. Machine unit consisting following component (1) Evaporator coil having suitable external surface area made out of copper tube with 0.15 mm. thick Aluminium fins of 12-13FPI. with 3/4 Row deep Coil (2) Approved make new blower fan motor 12 watt to 30 watt variable speed Fan motor, fan of 350 to 1200 CFM flow suitable for operation on 220/230V. 50 c/s. A.C. supply for Split type A.C Machine (3) Wheel blower , swing motor , air filter and PCB unit etc. for Split A.C.Machine : 1.8TR 5 STAR RATING</p>	4.00	per unit	₹73,899.00	₹ 295,596	ELE SOR 12.5.16 AND 12.5.17
110	Providing heavy duty wire rope ladder made of steel rope and aluminium round rungs, corrosion resistant.	1.00	Piece	₹8,663.00	₹ 8,663	MR: MADHAV TRADING COMPANY
111	Provision for labour at the disposal of officials from Morbi Municipal Corporation for petty jobs for archaeological, structural, curatorial and miscellaneous works.	100.00	Man days	₹493.00	₹49,300	(LO22)
112	Provision for skilled worker at the disposal of officials from SMorbi Municipal Corporation for petty jobs for archaeological, structural, curatorial and miscellaneous works.	20.00	Man days	₹713.00	₹14,260	(LO18)