

Block Budget Estimate for Green Chowk Heritage Street

Sr.	Item of Work	Qty	Unit	Rate	Amount	Reference
1	Dismantling, demolition and removal					
	Providing and installation of barricading with retro reflective paint/ film/ tapes (Minimum 2.0Mt. height) for the construction of road work, along with necessary diversion arrangement for existing traffic movement in an unobstructed condition, all relevant markings, sign boards and illumination as per relevant MORT&H specification. Precoated galvanised iron profile sheets shall be of approved make and shade having 0.50 mm (+0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Rate to be inclusive of all materials, fabrication works, paint works for information (retro reflective paint), foundation works, transportation, loading, unloading, installation, dismantling and inclusive of all taxes and including the same design for providing openable gates. No extra rental will be given to the contractor in case of any delays from his part for construction or due to any valid time limit extensions. Each barricading sheet is to be numbered with a unique number. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job.					Item no. 27 AMC- E- tender Notice No. 06/2023- 2024
1	The barricading shall not be removed without prior approval of Engineer-in-Charge.	1412.03	Sqmt	₹ 733.50	₹10,35,724	
	Removing and refixing the installed barricading system as per above item description with in site area. Rate to be inclusive of all materials, fabrication works, required for removing and refixing barricading with in site area, foundation works, transportation, loading, unloading, installation, dismantling etc. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. The barricading provided shall remain to be the property of the contractor on completion of the work. Blinkers are to be installed on the barricading and rate for blinkers will be payable as per relevant item. Barricading is to be cleaned by means of washing with water on a weekly basis or as and when required as per the instructions of Engineer in charge. Payment shall be made for Sqm area of					Item no. 28 AMC- E- tender Notice No. 06/2023- 2024
2	barricading sheet and number of shifting from start of work till completion of work.	1412.03	Sqm	₹ 366.75	₹5,17,862	
3	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead.	2264.70	cum	₹ 205.35	₹4,65,056	26B008
4	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	24.00	cu.m	₹ 1,020.60	₹24,494	20002
5	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	239.70	cu.m	₹ 530.78	₹1,27,228	20003B
6	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	800.00	Sqm	₹ 46.31	₹37,048	20005
7	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.	7549.00	cu.m	₹ 187.43	₹14,14,909	26075A
8	Removal of existing any type of paving or paving stones of any type, any size, any thickness in required depth including removing paver with spil sub base and breaking sub base i.e concrete or metaling etc under the supervision of concerned department, disposal unserviceable material with all lifts and up to any lead at non objectional place and stacking the serviceable material (paver) upto any private or corporation Land (if corporation land is used then contractor to pay rent to the corporation) store including loading, unloading as directed by Engineer-in-charge. : paver blocks at the chowks	1945.60	sqm	₹ 27.44	₹53,387	Item no.11 AMC E-tender Notice No. 06/2023-2024
9	Removal of existing Light Poles/ telephone pole/ electrical pole/ signage pole with fixtures/ signage sheet/ac units all cabling work including excavation, Breaking concrete foundation under the supervision of concerned department, disposal unserviceable material with all lifts and up to any lead at non objectional place and stacking the serviceable material upto any private or corporation Land (if corporation land is used then contractor to pay rent to corporation) store including loading, unloading as directed by Engineer in-charge.	70.00	No.	₹ 5,339.29	₹3,73,750	Item no.13 AMC E-tender Notice No. 06/2023-2024
2	Surface Preparation					
10	Supplying of graded stone aggregate of following sizes (for W.B.M. Road)(3) Crushed stone aggregate for Hard Quality up to 63 mm size- upto 250mm and 350mm near ota/footpath	1967.20	cum	₹ 405.00	₹7,96,716	26011C
11	Supplying of brick aggregate 40mm nominal size- upto 150mm	1132.35	cum	₹ 201.96	₹2,28,689	26013

12	Spreading the stone aggregate for rolling and W.B.M. including filling the interstices to required camber and gradient (excluding spreading of Blindage)(ii) 40mm to 63mm size aggregates (H.B.)	1967.20	cum	₹ 247.28	₹4,86,449	26018A
13	Preparing surface by Brushing with wire brushes for removing caked mud etc. sweeping with brooms and finally fanning the cleaned surface with gunney bags to remove all loose dirt etc.(i) Water bound macadam surface (New)	7549.00	Sqm	₹ 28.04	₹2,11,674	26023A
14	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth - 100mm	839.62	cum	₹ 2,928.60	₹24,58,911	05003A
15	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal diameters.(ii) 450mm dia. - sewer and rainwater drainage lines	2825.00	Rmt	₹ 1,164.84	₹32,90,673	26089BA
16	Ductile Iron Pipes with internal cement mortar lining and external Zinc coating with finishing layer of Bitumen; manufactured, tested and duly marked in strict accordance with and confirming to IS: 8329/2000 (as per latest amendment); suitable for push-on Jointing, along-with one number Rubber Gaskets for each length of pipe (EPDM Gasket as per IS: 5382/1985). (Class-K7) For 450 mm Dia.- water supply	867.00	Rmt	₹ 5,227.00	₹45,31,809	Water works (supply) 3061
17	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	706.02	rmt	₹ 54.00	₹38,125	ELE SOR 4.5.1
18	Providing & laying R.C.C. hume pipe for cable to be laid 90 cm below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original.: 450mm dia. - electric cables	867.00	Rmt.	₹ 532.00	₹4,61,244	ELE SOR 4.5.7
19	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 in existing trench for laying of cable below ground / road surface for enclosing cable. (c). 90 mm outer dia. - private connections	867.00	Rmt.	₹ 111.00	₹96,237	ELE SOR 4.5.8
20	(d). 120 mm outer dia.- general connections	867.00	Rmt.	₹ 159.00	₹1,37,853	ELE SOR 4.5.8
21	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating with frame complete.	20.00	no.	₹ 1,997.22	₹39,944	24013A
22	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4- graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2- Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick masonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	15.00	each	₹ 19,139.07	₹2,87,086	24008B
23	Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7.5 Cm. layer of sand above & below cable (16 bricks per meter)	706.02	Rmt	₹ 120.00	₹84,722	ELE SOR 4.5.3
24	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	1887.25	cu.m	₹ 129.10	₹2,43,643	04006_4.12
25	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	1038.00	cu.m	₹ 438.11	₹4,54,758	04007A
26	Filling around the pipes with murrum including dressing, tampering etc. complete.	63.60	cu.m	₹ 79.86	₹5,079	26084
27	Rolling of earthwork in layers with power roller including filling in depressions which occur during the process.	1887.25	cu.m	₹ 13.27	₹25,044	26002A
3 Surface Paving and Edging						
28	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M200 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	706.02	Rmt.	₹ 378.00	₹2,66,874	14023A
29	Providing and casting in situ controlled cement concrete M-200 for Kerb/ kerb blocks including formwork curing and finishing, complete	1.80	cu.m	₹ 4,643.42	₹8,358	27093BA
30	Supply of Dished Channel of VYARA make, as per the below profile drawing, manufactured on Vacuum Wet Press Machine with hydraulic pressing of wet concrete mixture to a minimum of 400 tons with simultaneous vacuuming, using ECO filters with pimple finish. Brand name of the vendor should be embossed on the back side of every piece. size: 600x300x125mm	1415.00	per piece	₹ 900.00	₹12,73,500	Item no. 8.03 MSS E-Tender Notice no. 3

31	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	800.00	Sqm	₹ 956.03	₹7,64,824	14012AA
32	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete	90.00	Sqm	₹ 1,078.88	₹97,099	14013A
33	Providing and laying multi-colored stones like Mandhana, black kadappa, leather finished kota stone and rajula stone with avg. thickness of 30mm, in 1:6 cement laid over and jointed with groove and spacer and white and grey cement slurry mixed with pigments to match the shade of the floorng etc. in the outdoor plaza areas.	6750.00	Sqm	₹ 2,034.24	₹1,37,31,120	RA12
34	Providing and Installaiton of Multicolour rought cut cobble stones 100x100x60mm in 1:4 cement mortar with 6mm goorves upon 50mm pcc bedding concrete and 50mm sand bed including installation as per pattern and design including cutting to shape, curing and cleaning complete as per the instructions of Engineer in charge	675.00	Sqm	₹ 1,574.24	₹10,62,612	RA11
35	Supplying and fixing cat eye made out from Acrilo beautile sterine injuction high compressed molding with reflector made of MMC (prismatic type of size 12cm x 6cm x 2.5cm) provided with bituminous adhesive 100g. with each unit for fixing. (High Intensity grade)	36.00	no.	₹ 372.00	₹13,392	26163
36	Solar Stud: Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and complete as directed by the engineer	36.00	Each	₹ 2,068.00	₹74,448	26167
37	Providing and laying cement concrete pavement (25mm to 50mm thick) with 1:2:4 (1-cement : 2-coarse sand : 4-stone aggregate 20mm nominal size) including finishing with floating coat of neat cement complete.	33.75	cu.m	₹ 4,329.60	₹1,46,124	14016A
38	Providing and fixing heritage markers of approved design and drawings. Rate should include fixing in pavement surface, bedding as per paver area, complete in all respect with all tools, tackles, chemical, etc., complete in all respect.	50.00	No.	₹ 1,500.00	₹75,000	Item no. 15.01MSS E-Tender Notice no. 3
39	Providing and laying cement concrete tactile tiles of size 300 x 300 x 25 to 30mm of Vyara, Super, Nishu, etc or equivalent of approved make and pattern having water absorption not over 6% and conforming to IS: 13801:1993, of approved make, pattern and shade (with UV light resistant colours from Lanxess only) in outdoor floors such as footpath, court yard, multi modals location etc., laid on 30 to 40mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	423.61	sqm	₹ 812.09	₹3,44,009	Item no. 62 AMC- E-tender Notice No. 06/2023-2024
4 Façade Enhancement works						
40	Erection of temporary screen on exterior walls covering the façade using HDPE/jute fabric/plastic for prevention of dust, dirt, pollution and direct impact on the nearby traffic / residents.The material shall be provided on rental basis.as per direction of Engineer/Architect-in-Charge.	6355.00	sqm	₹ 86.10	₹5,47,166	RA2
41	Provision for Erection, use and dismantling of temporary supports and shoring on the exterior walls and periphery using heavy MS H frames, Jacks, Bearing Plates, Steel Sheets, Non corrosive painted Studs and clamps, couplers joiners and brackets etc. A temporary support system shall be installed surrounding the structure without causing any damage to historic suface or taking suppor of it, 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.	3180.00	sqm	₹ 244.00	₹7,75,920	RA1

42	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. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	320.00	Sqm	₹ 170.10	₹54,432	09001AA
43	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete	194.40	cu.m	₹ 3,859.82	₹7,50,349	05011AA
44	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional	168.00	cu.m	₹ 4,011.66	₹6,73,959	06001BA
45	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	16.80	cu.m	₹ 265.65	₹4,463	06006B
46	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	15260.40	kg	₹ 75.46	₹11,51,550	05014C
47	Providing and erecting at the site of work steel ventilating column of 150mm internal diameter and 12.20 Metre High from G.L. to bottom of top grill including C.I. grill and base plate bolts and nuts etc. and excavation in foundation of size 120cm. x 120vcn. x 165cm. and filling the pit with first layer of cement concrete 1:3:6 mix (1-cement :3-coarse sand :6-graded stone aggregate 20mm nominal size) of 120cm. x 120cm. x 90cm. and remaining pit with B.B.C. 1:3:6 mix (1-cement :3-coarse sand:6-Brickbats 40+50mm size) and providing fillet in Cement concrete 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm. nominal size) at G.L. and 3 coats of silver paint etc. complete.	10.00	Each	₹ 48,086.96	₹4,80,870	24012A
48	Stone work plain ashlar in arches in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade. Both face dressed : white sandstone: for arch	76.00	cum	₹ 1,12,488.00	₹85,49,088	DSR CIVIL VOL.1 7.13.2.2
49	Stone work ashlar sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : white sandstone: for plain masonry with carvings and mouldings	667.08	cum	₹ 1,08,686.00	₹7,25,02,550	DSR CIVIL VOL.1 7.20.2
50	Providing and Installation of Dovetail shaped Rosewood Dowels after necessary shaping, linseed oil seasoning and Neem oil applied for stone joinery including making chases in the masonry unit, inserting dowels and sealing the gaps by filling fine lime paste.	7060.00	No.	₹ 227.02	₹16,02,761	RA7
51	2mm Aluminium / 4mmACP sheeting fixed with Type-4 Class-B High Intensity Grade Sheeting as per IRC 67 : 2012 reflective sheeting of size including lettering and signs as applicable: FOR NAME PLATES OF different shops	800.00	Sqm	₹ 3,955.08	₹31,64,064	M1048
52	Providing wood work in frames of Doors, windows cleare story windows and othersimilar works wrought, framede and fixed in position. (A) Indian Teak Wood	10000.00	10 Cudm	₹ 602.04	₹60,20,400	10001A
53	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.	1500.00	sqm	₹ 123.48	₹1,85,220	19017
54	Coat tarring two coats on new wood and wood based surfaces using 0.16 and 0.12 Litres of coal tar par Sq.M. in the first and second coat respectively to give an even shade including cleaning of all dirt, dust and other foreign matter.	1500.00	sqm	₹ 32.93	₹49,395	19021
5 Façade Restoration works- For Identified Structures						
55	Providing and installation of temporary propping by jacking, shoring support and strctural framing for precarious portions or adjoining areas of structural operations including use of wooden paddings, Rubber or Cloth cushions, MS Jacks, 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.	74.25	sqm	₹ 1,437.21	₹1,06,713	RA8

56	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.	1050.00	sqm	₹ 644.60	₹6,76,830	RA3
57	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.	1050.00	sqm	₹ 1,378.30	₹14,47,215	RA4
58	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.	200.00	No.	₹ 2,353.00	₹4,70,600	RA5
59	A preparation site with lime slaking tanks, mixing tanks, grinding mills, storage tanks and pits along with raw material storage should be prepared with curtain walls or enclosures and shed to maintain required environmental condition for preparation of lime mortars, renders, putty, concrete and other	1.00	Each	₹ 54,961.65	₹54,962	RA14
60	Providing and laying Lime concrete 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.	20.00	Cum	₹ 6,695.00	₹1,33,900	RA15
61	Colour washing with lime on wall surface (two coats) over and including a primary coat of white washing to give an even shade after through brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.	1050.00	sqm	₹ 12.14	₹12,747	18007
62	Extra over item 17 to 18 for every subsequent coat of colour wash with lime on wall surface	1050.00	sqm	₹ 7.73	₹8,117	18009
63	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including through brushing the surface free from mortar droppings and other foreign matter and sand papered smooth	1050.00	sqm	₹ 79.55	₹83,528	18031
64	Extra over item 57 for every subsequent coat of wall painting with plastic emulsion paint of approved brand.	1050.00	sqm	₹ 40.12	₹42,126	18032
65	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 upto 100m and lift.lowering upto 8mtr. as directed by Engineer in charge. The carved member shall be protected and lowered very carefully wrapped in jute/rubber or soft covering using husk etc. for stacking at designated place.as per direction of Engineer/Architect-in-Charge.	5.00	Cum	₹ 4,039.95	₹20,200	RA16
66	Providing and resetting stone masonry using stacked good serviceable 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 per direction of Engineer/Architect-in-Charge.	5.00	Cum	₹ 21,142.75	₹1,05,714	RA17
6 Electrical Works						
67	Supplying and erecting Water tight M.S.Box of size 20 x 15 x 15 cm. to erect suitable kitkat fuse / MCB to be erected on polished wooden board inside the box with hinged/sliding door with rubber rings and erected on pole with suitable pole clamp, all duly painted with one coat of red oxide and two coats of paints. (Cost of Fuse / MCB shall be taken extra)	72.00	Each	₹ 272.00	₹19,584	ELE SOR 6.4.1

68	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (a) single door (IP-30) (iii)4 way	72.00	No.	₹ 414.00	₹29,808	ELE SOR 3.11.5
69	Providing and erecting Miniature circuit breaker single pole 6A to 25A 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 Mark Cat.III	72.00	No.	₹ 130.00	₹9,360	ELE SOR 3.10.1B
70	Supplying & erecting approved make RCCB + MCB (Electro magnetic type only) working on residual current device having 10 KA short circuit breaking capacity and 30 mAmp. Sensitivity & 30 mili sec. tripping time conforming to IS 12640 test knob facility trip free mechanism operating for rated leakage at nominal ten volt, complete erected including all materials lugs screws etc. completed. [b] 32A / 40A, 4 pole Three Phase Cat. II	72.00	No.	₹ 2,530.00	₹1,82,160	ELE SOR 3.12.3e
71	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 (a) 6 to 32 Amp. Cat.III	72.00	No.	₹ 675.00	₹48,600	ELE SOR 3.10.4
72	Earthing: Providing earthing stations for equipment earthing as shown and specified in drawing for equipment complete with : 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 - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg	18.00	No.	₹ 5,363.00	₹96,534	ELE SOR 3.14.9
73	Pole to luminaire internal connections: Supplying & erecting XLPE(IS:7098)(I)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size. (A) 2 core 2.5 Sq. mm	2100.00	Mtr.	₹ 115.00	₹2,41,500	ELE SOR 4.2.1
74	(B) 2 core 4 sq.mm	1000.00	Mtr.	₹ 151.00	₹1,51,000	ELE SOR 4.2.1
75	For underground cables to mains: Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.: (A) 3 1/2 core 25 Sq. mm (10 Sq. mm 1/2 core)	800.00	Mtr.	₹ 1,571.00	₹12,56,800	ELE SOR 4.4.3
76	(B) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core)	200.00	Mtr.	₹ 2,176.00	₹4,35,200	ELE SOR 4.4.3
77	For underground cables to mains: Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.: (A) 4 core 2.5 Sq. mm	300.00	Mtr.	₹ 314.00	₹94,200	ELE SOR 4.4.4
78	(C) 4 core 6 Sq. mm	500.00	Mtr.	₹ 592.00	₹2,96,000	ELE SOR 4.4.4
79	For underground cables to mains: Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.: (A) 4 core 10 Sq. mm	250.00	Mtr.	₹ 786.00	₹1,96,500	ELE SOR 4.4.5
80	(B) 4 core 16 Sq. mm	250.00	Mtr.	₹ 1,149.00	₹2,87,250	ELE SOR 4.4.5
81	(C) 4 core 25 Sq. mm	200.00	Mtr.	₹ 1,752.00	₹3,50,400	ELE SOR 4.4.5
82	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed	18.00	each	₹ 960.00	₹17,280	ELE SOR 3.14.6.b
83	Providing and erecting 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	800.00		₹ 68.00	₹54,400	ELE SOR 1.4.1
84	(b) 2 wire 2.5 sq. mm	1000.00	Mtr.	₹ 90.00	₹90,000	ELE SOR 1.4.1
85	(c) 3 wire 1.5 sq. mm	800.00	Mtr.	₹ 90.00	₹72,000	ELE SOR 1.4.1
86	(d) 3 wire 2.5 sq. mm	800.00	Mtr.	₹ 112.00	₹89,600	ELE SOR 1.4.1
87	(e) 4 wire 1.5 sq. mm	600.00	Mtr.	₹ 101.00	₹60,600	ELE SOR 1.4.1
88	(f) 4 wire 2.5 sq. mm	600.00	Mtr.	₹ 140.00	₹84,000	ELE SOR 1.4.1
89	(g) 6 wire 2.5 sq. mm	300.00	Mtr.	₹ 190.00	₹57,000	ELE SOR 1.4.1
90	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.: A) 2 to 4 core 2.5/4 Sq. mm	90.00	each	₹ 37.00	₹3,330	ELE SOR 4.6.1
91	(B) 2 to 4 core 6 Sq. mm	60.00	each	₹ 43.00	₹2,580	ELE SOR 4.6.1
92	(C) 2 to 4 core 10 Sq. mm	45.00	each	₹ 43.00	₹1,935	ELE SOR 4.6.1
93	(D) 2 to 4 core 16 Sq. mm	30.00	each	₹ 54.00	₹1,620	ELE SOR 4.6.1
94	(E) 2 to 4 core 25 Sq. mm	20.00	each	₹ 59.00	₹1,180	ELE SOR 4.6.1

95	Solder less 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 to 6 Sq.mm	200.00	each	₹ 9.00	₹1,800	ELE SOR 4.7.2
96	(B) 10 Sq.mm	90.00	each	₹ 11.00	₹990	ELE SOR 4.7.2
97	(c) 16 Sq.mm	60.00	each	₹ 13.00	₹780	ELE SOR 4.7.2
98	(d) 25 Sq.mm	40.00	each	₹ 16.00	₹640	ELE SOR 4.7.2
99	(E) 35/50 Sq.mm	30.00	each	₹ 24.00	₹720	ELE SOR 4.7.2
100	Providing and erecting Epoxy Outdoor / Indoor end termination Kit suitable for LT PVC insulated armoured cable 1.1 KV grade complete with ferrule bushing and accessories and suitable clamps duly erected and connected to the supply for all cores cables of following size.: (A) 2.5 to 16 Sq. mm	72.00	each	₹ 445.00	₹32,040	ELE SOR 4.8.3
101	(B) 25 to 50 Sq. mm	20.00	each	₹ 485.00	₹9,700	ELE SOR 4.8.3
102	Disconnecting the cable connection and Providing straight joint with PVC mould using heat shrink /cast resin type epoxy compound Insulating material and making the joint complete using necessary in line connectors, hardener, earth continuity connection, spacers etc. and reconnecting the same & ensure the joint resistance within the limits as per IS.	12.00	each	₹ 1,265.00	₹15,180	ELE SOR 4.9.1
103	(A) up to 25 Sq mm Cable (B) 35 to 95 Sq. mm cable.	6.00	each	₹ 1,810.00	₹10,860	ELE SOR 4.9.1
104	Disconnecting the cable connection and Providing T joint with PVC mould using heat shrink /cast resin type epoxy compound Insulating material and making the joint complete using necessary in line connectors, hardener, earth continuity connection, spacers etc. and reconnecting the same & ensure the joint resistance within the limits as per IS.	20.00	each	₹ 1,640.00	₹32,800	ELE SOR 4.9.2
105	(A) up to 25 Sq mm Cable (B) 35 to 95 Sq. mm cable.	8.00	each	₹ 2,220.00	₹17,760	ELE SOR 4.9.2
106	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 multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white 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 erected concealed in/on wall/ceiling complete.: CAT-III	400.00	Pt.	₹ 495.00	₹1,98,000	ELE SOR 1.2.1
107	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC/ Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (f) with medium class Rigid PVC pipe and accessories erected concealed on wall/ceiling complete	72.00	Pt.	₹ 501.00	₹36,072	ELE SOR 1.2.3
108	Point wiring for secondary light point 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 multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal PVC wooden box covered covered with appropriate front plate modules erected on in wall ceiling for open / concealed wiring. with necessary Lamp holder ceiling rose / H.D.Connector as directed.as per pipe erected with following type of accessories. Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point. (f) with medium class Rigid PVC pipe and accessories erected concealed on wall/ceiling complete	200.00	Pt.	₹ 164.00	₹32,800	ELE SOR 1.2.6
109	Providing following type of Modular Type Accessories mounted with PVC metallic/Wooden box, single mounting base frame covered with textured metallic/white front plate, modules erected with necessary connections as per site situation directed by Engineer In charge.: 1) One no. SP 6 Amp cat-iii	400.00	each	₹ 167.00	₹66,800	ELE SOR 1.2.7
110	2) One no. 5 pin plug CATIII	72.00	each	₹ 167.00	₹12,024	ELE SOR 1.2.7
111	6) Fuse units : 10 to 16 amp cat.III	72.00	each	₹ 200.00	₹14,400	ELE SOR 1.2.7
112	9) 16 Amp one way switch catiii	72.00	each	₹ 200.00	₹14,400	ELE SOR 1.2.7
113	10) 6/16 amp. Universal socket	72.00	each	₹ 222.00	₹15,984	ELE SOR 1.2.7
114	13) single pole modular mcb switch	72.00	each	₹ 344.00	₹24,768	ELE SOR 1.2.7
115	21) Foot Light as per colour requirement with concealed box, modular accessories, acrylic glass cover with suitable LED watt with all accessories as per following module: a) two modules cat iii	200.00	each	₹ 353.00	₹70,600	ELE SOR 1.2.7

116	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	50.00	Each	₹ 12,500.00	₹6,25,000	ELE SOR 2.17.2
117	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	200.00	Each	₹ 550.00	₹1,10,000	ELE SOR 2.16.4
118	Spot Light cat iii 8-11 W	400.00	Each	₹ 1,770.00	₹7,08,000	ELE SOR 2.16.4
119	Flexible LED strips with optimum brightness & uniformity of light for perfect cove lighting. IP65 MIN. 7.2W 240 LED PER METER	150.00	PER MT.	₹ 280.00	₹42,000	ELE SOR 2.16.4
120	Providing and erecting decorative wall bracket fittings complete with LED lamp and rust free fittings components mounted in chrome finish housing with holder, clear/opaque glass diffuser complete erected with lead wires with minimum 15 wattage capacity as per instruction engineer incharge/architect/authority. cat-III	240.00	Each	₹ 2,000.00	₹4,80,000	ELE SOR 2.6.1
7 Special Items for Street Enhancement						
121	Providing and fixing Sand Stone bollards with required foundation SS pin and fixing with proper marking and as per design and drawings complete in all respect.	160.00	each	₹ 6,000.00	₹9,60,000	Item no. 15.03 MSS E-Tender Notice no. 3
122	Providing an installation for roadside signage wall mounted using cast iron brackets and fixing a Corten steel-plate of 6mm thickness over it including laser cut name signage of the monument coated with epoxy paint, as per the design issued by the architect incharge	40.00	each	₹ 21,269.15	₹8,50,766	RA9
123	Providing an installtion of tactile information signage in stone masonry work including shaping and chiselling, embedded with a ceramic plate with multi-colored graphics glazed after printing min. 6mm thick with 1 backup panel using the fixing chemicals, within the chase provided in the masonry construction including curing, as per the design issued by the architect incharge - Informative	5.00	each	₹ 25,660.53	₹1,28,303	RA10
124	Providing and Installation of Stone Benches as per design using rough cut/manual cut stone slabs of average 1.8m length and 0.6m width with minimum thickness of 0.15m for bench top and 0.4x0.4x0.3m 2pcs base stones with tongue and grooves fixing between top and base and cement concrete pedestal Including installation in excavations using floor stone at bottom of excavation upon rammed earth with 1:4 cement sand mortar in excavated earth complete with line level and orientation as per the design or instructions by Architect / Engineer-in-Charge.	20.00	each	₹ 15,001.75	₹3,00,035	RA13
125	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	15.00	each	₹ 948.68	₹14,230	23038
126	Mural artwork to be executed on walls specified by the design Architect with required tools , tackles , scaffolding complete in all respect. All spread in 8 nos.	200.00	sqm	₹ 3,475.00	₹6,95,000	Item no. 16.01 MSS E-Tender Notice no. 3
127	Provision for labour at the disposal of officials from Municipal Corporation for petty jobs for , structural, curatorial and miscellaneous works.	210.00	Man days	₹ 493.00	₹1,03,530	L022
128	Provision for skilled worker at the disposal of officials from Municipal Corporation for petty jobs for , structural, curatorial and miscellaneous works.	60.0	Man days	₹ 713.00	₹42,780	L018