

**Schedule B \_LOHANAPARA HERITAGE PRECINCT**

Sr.	Item of Work	Qty	Unit	Rate	Amount	Reference
<b>1</b>	<b>Dismantling, demolition and removal</b>					
	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.	1258.00	Sqmt	₹ 733.50	₹9,22,743	
	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.	1258.00	Sqm	₹ 366.75	₹4,61,372	
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.	1655.00	cum	₹ 205.35	₹3,39,854	26B008
4	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	5.00	cu.m	₹ 1,020.60	₹5,103	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.	5.00	cu.m	₹ 530.78	₹2,654	20003B
6	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	6055.00	cu.m	₹ 187.43	₹11,34,889	26075A
7	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	50.00	sqm	₹ 27.44	₹1,372	Item no.11 AMC E-tender Notice No. 06/2023-2024
8	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.	5.00	No.	₹ 5,339.29	₹26,696	Item no.13 AMC E-tender Notice No. 06/2023-2024
<b>2</b>	<b>Surface Preparation</b>					
9	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	1816.50	cum	₹ 405.00	₹7,35,683	26011C
10	Supplying of brick aggregate 40mm nominal size- upto 150mm	908.25	cum	₹ 201.96	₹1,83,430	26013

11	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.)	908.25	cum	₹ 247.28	₹2,24,592	26018A
12	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)	6055.00	Sqm	₹ 28.04	₹1,69,782	26023A
13	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	605.50	cum	₹ 2,928.60	₹17,73,267	05003A
14	Bitumen Impregnated Geotextile (Providing and laying bitumen impregnated geotextile layer after cleaning the road surface, geotextile conforming to requirements of clause 700, laid over a tack coat with 1.05 kg per sqm of paving grade bitumen 80-100 penetration and constructed to the requirement of clause 700)	6055.00	sqm	₹ 713.00	₹43,17,215	26173
15	Providing and laying controlled cement concrete M.150 and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm. thickness	432.00	cum	₹ 6,349.35	₹27,42,919	05027D
16	Providing and placing in position FE 500D TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(A) Solid Slab.	33.91	MT	₹ 71,883.03	₹24,37,554	27113
17	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	1260.00	Rmt	₹ 1,164.84	₹14,67,698	26089BA
18	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	1260.00	Rmt	₹ 5,227.00	₹65,86,020	Water works (supply) 3061
19	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.	1258.00	rmt	₹ 54.00	₹67,932	ELE SOR 4.5.1
20	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	1260.00	Rmt.	₹ 111.00	₹1,39,860	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.	12.00	no.	₹ 1,997.22	₹23,967	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.	25.00	each	₹ 19,139.07	₹4,78,477	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)	1258.00	Rmt	₹ 120.00	₹1,50,960	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	1513.75	cu.m	₹ 129.10	₹1,95,425	04006_4.12
25	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	833.00	cu.m	₹ 438.11	₹3,64,946	04007A
26	Filling around the pipes with murrum including dressing, tampering etc. complete.	113.20	cu.m	₹ 79.86	₹9,040	26084
<b>3 Surface Paving and Edging</b>						
27	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	2100.00	per piece	₹ 900.00	₹18,90,000	Item no. 8.03 MSS E-Tender Notice no. 3

28	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 flooring etc. in the outdoor plaza areas.	5015.00	Sqm	₹ 2,034.24	₹1,02,01,714	RA12
29	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	1040.00	Sqm	₹ 1,574.24	₹16,37,210	RA11
30	Supplying and fixing cat eye made out from Acrilo beaultile 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)	20.00	no.	₹ 372.00	₹7,440	26163
31	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	20.00	Each	₹ 2,068.00	₹41,360	26167
32	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.	377.40	sqm	₹ 812.09	₹3,06,483	Item no. 62 AMC- E- tender Notice No. 06/2023- 2024
<b>4 Electrical Works</b>						
33	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	50.00	No.	₹ 5,363.00	₹2,68,150	ELE SOR 3.14.9
34	Pole to luminaire internal connections: Supplying & erecting XLPE(IS:7098)(1)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size. (A) 2 core 2.5 Sq. mm	250.00	Mtr.	₹ 115.00	₹28,750	ELE SOR 4.2.1
35	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: (f) 4 wire 2.5 sq. mm	1400.00	Mtr.	₹ 140.00	₹1,96,000	ELE SOR 1.4.1
36	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	100.00	each	₹ 37.00	₹3,700	ELE SOR 4.6.1
37	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
38	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	100.00	each	₹ 353.00	₹35,300	ELE SOR 1.2.7

39	Supplying & erecting Galvanized M.S pipe post 'B' class 88.9 mm O.D 4 mtr. Long duly painted with two coats of aluminium paint complete with metallic base plate of 300 mm x 300 mm x 4 mm thick for using as a compound light pole with approx. weight 32 Kg.	50.00	Each	₹ 3,768.00	₹1,88,400	ELE SOR 6.1.1
40	Supplying and erecting C.I. pole base suitable for following size of pole with M.S. door having two hinges welded on M.S. flat 25 x 3 mm which is fitted on C.I. base by bolts welded inside the pole base erected with one coat of Red oxide and two coat of Aluminium paint and covering the gap between pole and pole base with suitable clamp as per SOR drawing or sample.	50.00	each	₹ 3,450.00	₹1,72,500	ELE SOR 6.2.1
41	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 (TO BE WELDED TO POLE)	50.00	Each	₹ 2,000.00	₹1,00,000	ELESOR 2.6.1
42	Flexible LED strips with optimum brightness & uniformity of light for perfect cove lighting. IP65 MIN. 7.2W 240 LED PER METER	500.00	PER MT.	₹ 280.00	₹1,40,000	ELE SOR 2.16.4
<b>5 Special Items for Street Enhancement</b>						
43	Providing an installation for roadside signage wall mounted/welded to light pole 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	50.00	each	₹ 21,269.15	₹10,63,458	RA9
44	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
45	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	25.00	each	₹ 948.68	₹23,717	23038
46	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.	12.00	sqm	₹ 34.00	₹408	19001
47	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 cleanin the surface of all dirt, dust and other foreign matter.	12.00	sqm	₹ 86.94	₹1,043	19002
48	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like. - For steel arcade on both the side of streets.	6.00	q	₹ 8,958.28	₹53,750	11002AA
49	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
50	Provision for skilled worker at the disposal of officials from Municipal Corporation for petty jobs for, structural, curatorial and miscellaneous works.	60.00	Man days	₹ 713.00	₹42,780	L018