

**Item Rate BoQ**

Tender Inviting Authority: Kanpur Smart City Limited

Name of Work: Upgradation & Beautification of Nanarao Park

Contract No: KSCL/PMC/NP-RT/119

Name of the Bidder/ Bidding Firm / Company :	
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**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT With Tax Excluding GST Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	53	54	55
1	<b>EARTH WORK</b>						
1.01	Earth work in excavation in trenches for foundations pipes cable etc in ordinary soil (Loan clay or sand) including lift upto 1.5m. Lead upto 50m and dressing of sides and ramming of bottom and disposal of surplus excavated earth as directed by the Engineer i/c within a lead of 50m.	1889.84	Cu.M		0.00	0.00	INR Zero Only
1.02	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	2313.42	Cu.M		0.00	0.00	INR Zero Only
1.03	Clearance and disposal of all debris on site after the construction, with all leads and lifts, removal of all weeds and other growth with roots by forking, breaking clods, rough dressing and proper leveling.	14116.08	Sqm		0.00	0.00	INR Zero Only
1.04	Supplying and stacking of fertilizers at site including royalty and carriage.	2000.00	Kg		0.00	0.00	INR Zero Only
1.05	Supplying and stacking of Insecticides, Pesticides and Weedicides at site including royalty and carriage. DURSBAN or equivalent 1 to 2kg/200lts of water and sprayed. As follows	1486.00	Kg		0.00	0.00	INR Zero Only
1.06	Supply and stacking at site soil amendment additives to improve soil quality at site based on soil test report	2476.00	Kg		0.00	0.00	INR Zero Only
1.07	Supplying and stacking of manure on site including royalty and carriage for all leads. (Manure measured in stacks will be reduced by 8% for payment).	1733.55	Cu.M		0.00	0.00	INR Zero Only
2	<b>CONCRETE WORK</b>						
2.01	Providing and laying in cement concrete 4:2:1 of not less than strength of M15 [stone ballast 4 (40 mm, nominal size): 2 approved course sand : 1 cement] and curing complet, including cost of formwork in foundation and floors.						
2.02	Same as item No.2.01 above but with 20mm nominal size stone grit instead of 4 Cm. stone ballast.	13.05	Cu.M		0.00	0.00	INR Zero Only
2.03	Same as item 2.01 above but in 8:4:1	1608.62	Cu.M		0.00	0.00	INR Zero Only
2.04	R.C.C. works with cement approved coarse sand and 2 cm (3/4") gauge approved stone ballast in proportion 1:2:4 (1cement :6 aggregate) in lintels of doors and windows excluding supply of reinforcement and its bending the same with 24BWG binding wire and necessary centering and shuttering etc, and also including supply of all materials labours and tools and plants etc required for proper completion of works.						
2.05	As in item 2.04 above but for slabs	2.16	Cu.M		0.00	0.00	INR Zero Only
2.06	As in item 2.04 above but in R.C.C. raft foundation and footing with 4cm gauge approved stone ballast.	85.97	Cu.M		0.00	0.00	INR Zero Only
2.07	As in item 2.04 above but in R.C.C. Columns in 1:1.5:3.	164.19	Cu.M		0.00	0.00	INR Zero Only
2.08	As in item 2.04 above but the lighter beams i.e. having spans upto 6 mts.	120.32	Cu.M		0.00	0.00	INR Zero Only
2.09	Cast cement concrete door sills, Chauhats, boudary posts, shelves and similar small work with cement, approved courses sand and 2cm gauge stone grit in proportions of 1:2:4 excluding its fixing & binding the same with 24 B.W.G.G.I., binding wire, moulds, all material labour, tools & plantsec. required for proper completion of the work. The rates excludes making of drip course which shall be paid extra.	34.88	Cu.M		0.00	0.00	INR Zero Only

2.1	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	94.48	Cu.M		0.00	0.00	INR Zero Only
2.11	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and inclding supply of steel its wastage bend hooks and authorized overlapping shall be measured upt floor two level (over all Rate)						
2.12	(a) 8 mm tor	75.61	Qtl.		0.00	0.00	INR Zero Only
2.13	(b) 10mm tor	75.68	Qtl.		0.00	0.00	INR Zero Only
2.14	(c) 12 mm to 32 mm tor	75.12	Qtl.		0.00	0.00	INR Zero Only
2.15	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	94.48	Cu.M		0.00	0.00	INR Zero Only
3	<b>BRICK WORK</b>						
3.01	Class-150 brick work in 1:6 cement and fine sand of 1.25 fineness modulous mortar in foundation and plinth including supply of all materials labour and tools and plants etc, required for proper completion of the work.						
3.02	As in item above but in 1:4 cement and fine sand of 1.25 fineness modulous mortar	1142.03	Cu.M		0.00	0.00	INR Zero Only
3.03	1:4 cement and course sand	463.13	Cu.M		0.00	0.00	INR Zero Only
3.04	Same as in item No. 3.01 to 3.03 above but in super structure above plinth level upto floor two level (upto two storeys) including necessary cutting and moulding of brick work as required and also including honey combed brick in thickness of wall more than 12 cms. add to above 3.01 to 3.03	783.11	Cu.M		0.00	0.00	INR Zero Only
3.05	Ad in item No. 3.04 above but for wall thickness 12 cm. and below add extra	1.74	Cu.M		0.00	0.00	INR Zero Only
4	<b>STEEL WORK</b>						
4.01	Mild steel or iron work of small size and sections such as holding down bolts, hold fast, tie rods, grating etc, (when not included in an overall rates) wrought to required shape as necessary for bending etc including supply of steel and its wastage including cost of bolts, nuts if required for and welding , grinding and making holes as required for completion of work.						
4.02	(ii) Fabrication of Grill/Stairscas railing.	87009.08	kg		0.00	0.00	INR Zero Only
5	<b>FLOORING WORKS</b>						
5.01	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :						
5.02	25 mm thick	1070.01	Sqm		0.00	0.00	INR Zero Only
5.03	Providing and laying 60mm thick faciry made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	8230.76	Sqm		0.00	0.00	INR Zero Only
5.04	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	141.23	Cu.M		0.00	0.00	INR Zero Only
5.05	Providing and applying 2.5 mm thick road marking strips (retroreflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	1412.28	Sqm		0.00	0.00	INR Zero Only

5.06	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	70.80	Sqm		0.00	0.00	INR Zero Only
5.07	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately)						
5.08	Gang saw cut stone						
5.09	30mm thick Red sand stone	152.98	Sqm		0.00	0.00	INR Zero Only
5.10	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.						
5.11	Red sand stone - Exposed face fine dressed with rough backing.						
5.12	30 mm thick	152.98	Sqm		0.00	0.00	INR Zero Only
5.13	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.						
5.14	Red sand stone	2380.56	Cum		0.00	0.00	INR Zero Only
5.15	Providing and laying 500x500x40 mm thick Turf paver (Turf pave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.	2611.57	Sqm		0.00	0.00	INR Zero Only
5.16	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).						
5.17	Medium shade pigment using 50% white cement 50% Grey cement.	998.23	Sqm		0.00	0.00	INR Zero Only
6	<b>FINISHING WORKS</b>						
6.01	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	6852.80	Sqm		0.00	0.00	INR Zero Only
6.02	Painting or varnishing on iron works in small areas or new wood work with one coat of ready mixed priming paint & one coat of approved superior quality ready mixed paint of clear synthetic varnish including supply of all materials, labour and T&P etc. required for proper completion of the work. Paint to be used should confirm to the I.S.I. No. 103 1950	2615.66	Sqm		0.00	0.00	INR Zero Only
6.03	Same as in item 641 above but for every coat after 1st Coat. Details of cost for 650sft. Area.	3138.80	Sqm		0.00	0.00	INR Zero Only
6.04	Finishing walls with two coat of acrylic smooth exterior paint of best quality including supply of all material, labour and T&P etc. required for proper completion of the work.	6852.80	Sqm		0.00	0.00	INR Zero Only
7	<b>PAINTING WORK</b>						
7.01	Painting or varnishing on iron work in small area or new wood work with one coat of ready mixed priming paint & one coat of approved superior quality ready mixed paint of clear synthetic varnish including supply of all materials, labour and T & P etc. required for proper completion of the work. Paint to be used should confirm to the I.S.I. No. 103 1950	1859.54	Sqm		0.00	0.00	INR Zero Only
7.02	Same as in item 641 above but for every coat after 1st coat. Details of cost for 650 sft. Area.	1859.54	Sqm		0.00	0.00	INR Zero Only
7.03	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	154.91	Sqm		0.00	0.00	INR Zero Only
7.04	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	154.91	Sqm		0.00	0.00	INR Zero Only
7.05	Finishing walls with two coat of acrylic smooth exterior paint of best quality including supply of all material, labour and T&P etc. required for proper completion of the work.	154.91	Sqm		0.00	0.00	INR Zero Only
8	<b>DISMANTLING AND DEMOLISHING WORK</b>						
8.01	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.	801.94	Cum		0.00	0.00	INR Zero Only
8.02	Dismantling brick work or stone work in lime or cement mortar and including stacking of materials as directed by Engineer-in-charge with in a distance of 60 mt. (200ft)	861.52	Cum		0.00	0.00	INR Zero Only
8.03	Dismantling reinforcement cement concrete or reinforcement brick work, including stacking of materials as directed by Engineer-in-charge with in a distance of 60 mt. (200 mt.)	86.15	Cum		0.00	0.00	INR Zero Only

8.04	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	801.94	Cum		0.00	0.00	INR Zero Only
8.05	Dismantling cement concrete or brick or granolithic floors including base concrete and including stacking of dismantled materials as directed by Engineer-in-charge with in a distance of 60 mt. (200ft)	618.05	Sqm		0.00	0.00	INR Zero Only
8.06	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	994.03	Cum		0.00	0.00	INR Zero Only
8.07	Dismantling of grids, trusses and other steel work including stacking of dismantling material as directed by engineer-in-charge with in a distance of 60 mt. (200ft)	215.12	Qtl.		0.00	0.00	INR Zero Only
9	<b>MISCELLANEOUS AND EXTRA ITEMS</b>						
9.01	40 mm thick rubbed stone coaping and facia over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.	732.39	Sqm		0.00	0.00	INR Zero Only
9.02	Providing and fixing of heavy duty stone cobble (Size 100x100x100mm thick) of any colours, laid on 50mm thick bed of coarse sand and jointing 10mm spaces between cobble stone with grey cement slurry, the surface should be cleaned afterwards etc. all complete finished as per approved design & slope under instruction of Engineer-in-charge.	738.28	Sqm		0.00	0.00	INR Zero Only
9.03	Providing and laying polished stamped concrete flooring including mixing of colour pigment, graded quartz silica, special conditioning admixtures, UV Stabilized, covering 100% of area to be stamped & applying acrylic sealant coat with 50mm thick of M-25 grade concrete including labour, material and T&P etc. all complete under instruction of Engineer-in-charge.	2864.62	Sqm		0.00	0.00	INR Zero Only
9.04	Providing and fixing in positioning of stainless steel Dustbin with swing top cover of Grade- 304, sheet thickness 0.75mm, capacity -60Ltr. Dustbin size 12" dia x 28" depth, mounted on 1.5" dia two pole upto 900mm height including fastner plate for fixing in cement concrete block etc. all complete under instruction of Engineer in charge.	40.00	No's		0.00	0.00	INR Zero Only
9.05	Providing 1000 mm high, 450mm dia meter front and width full body standing stone statue with pedestals, carved (through-and-through) out of stone blocks, made out of export quality Sand Stone blocks from Dholpur/ Bansi Paharpur, for fixing in shapes & sizes as per design shown by architect.	8.00	No's		0.00	0.00	INR Zero Only
9.06	Providing 2000 mm high, 900mm front and width meter full body standing stone statue with pedestals, carved (through-and-through) out of stone blocks, made out of export quality Sand Stone blocks from Dholpur/ Bansi Paharpur, for fixing in shapes & sizes as per design shown by architect.	2.00	No's		0.00	0.00	INR Zero Only
9.07	Providing 3000 mm high, 1200mm front and width full body standing stone statue in two blocks with pedestals, carved (through-and-through) out of stone blocks, made out of export quality Sand Stone blocks from Dholpur/ Bansi Paharpur, for fixing in shapes & sizes as per design shown by architect.	1.00	No's		0.00	0.00	INR Zero Only
9.08	Cost is proposed for developing the Children Park area including						
9.09	Play Equipment	1.00	L.S.		0.00	0.00	INR Zero Only
9.1	Decoratives	10.00	Each		0.00	0.00	INR Zero Only
9.11	Tyre Benches	10.00	Each		0.00	0.00	INR Zero Only
9.12	Designer Tyre Dustbin	10.00	Each		0.00	0.00	INR Zero Only
9.13	Fencing	275.00	meter		0.00	0.00	INR Zero Only
9.14	Entrance Gate	1.00	Each		0.00	0.00	INR Zero Only
9.15	Bamboo Guard Room	1.00	Each		0.00	0.00	INR Zero Only
9.16	Equipments Installation						
9.17	Designer Do's & Don't Boards	10.00	Each		0.00	0.00	INR Zero Only

9.18	Camera's / DVR	8.00	Each		0.00	0.00	INR Zero Only
9.19	Transport						
9.2	Miscellaneous for Children						
9.21	Supply, fabrication and instalation of prefab public toilet & Kiosk of PUF panel 50mm having top side 0.40mm and bottom side 0.40mm plain sheet (with all flashing and hardware) & for Roof: PUF panel 30/60 having top side 0.50mm Hi-rib profile sheet and bottom side 0.40mm plain sheet (with all flashing and hardware) of approved design by architect including material, labour and T&P etc. all complete under instruction of Engineer-in-charge.	100.00	Sqm		0.00	0.00	INR Zero Only
9.22	Supply & Installation of UV protection polycarbonate sheet 10mm thick (Twin Wall) on MS structure with dash fasteners, aluminum l-cock systems, HDPM rubber, silicon cutting shape & size etc. all complete as per drawing under instruction of Engineer-in-charge.	1457.08	Sqm		0.00	0.00	INR Zero Only
10	<b>FOR GAZEBO AND FEATURE WALL</b>						
10.01	Providing and fixing in position perforated corten metal sheet 5mm thick of approved design including all material, labour & T&P required for proper completion of work under instruction Engineer-in-charge.	37504.95	Kg		0.00	0.00	INR Zero Only
10.02	Providing and fixing Map signage of size (1000mmx1900mm) 5 mm thick M.S. Sheet with Inkjet Vinyl for graphics on the boards and with all necessary texts and symbols. Fabrication and fixing of MS sheet with 2 Nos. 200x100x4mm thick MS Rectangular tube of height 1500mm and applying a primer coat of approved steel primer & painted with two coat of synthetic enamel paint including all material material, labour and T&P etc. all complete under instruction of Engineer-in-charge.	3.00	Each		0.00	0.00	INR Zero Only
10.03	Providing and fixing Information signages of size 690mm x 900mm of 5 mm thick M.S. Sheet with Inkjet vinyl for graphics on the boards and with all necessary texts and symbols. Fabrication and fixing with 12mm thick 900mm wide MS sheet as per drawing , applying a primer coat of approved steel primer & painted with two coat of synthetic enamel paint and fixed with nut bolt embded in cement concrete block including all material material, labour and T&P etc. all complete under instruction of Engineer-in-charge.	9.00	Each		0.00	0.00	INR Zero Only
10.04	Providing and fixing directional signage of size 1200mmx500mm with three side view of 5 mm thick M.S. Sheet with Inkjet vinyl for graphics with all necessary texts and symbols. Fabrication and fixing MS sheet with 3 Nos. angle 40x40 x4mm thick MS angle of height 1800mm, jointed with 3No's 40mm wide 3mm thick MS flat and applying a primer coat of approved steel primer & painted with two coat of synthetic enamel paint including all material material, labour and T&P etc. all complete under instruction of Engineer-in-charge.	9.00	Each		0.00	0.00	INR Zero Only
10.05	Fabrication and fixing in position of Pictograme signages using 5 mm thick MS sheet of size 450x600mm including laser cutting as per design and fixing with 25x25x3mm thick 450mm long fixing 225mm long 3mm flat fix with support, using one coat of primer approved for steel and painted with two coat of synthetic enamel paint etc. all complete under instruction of Engineer-in-charge.	16.00	Each		0.00	0.00	INR Zero Only
10.06	Providing and laying of polished pebble stone upto 60 to 90mm size of approved colour etc. all complete under instruction of Engineer-in-charge.	12483.42	kg		0.00	0.00	INR Zero Only
11	<b>Tree</b>						
11.01	The rate of the following items include for supply of plants as specified, transportation to site, excavation of pits and plantation as follows:						
11.02	Preparation of pits for trees by excavating 1.0 m x 1.0 m x 1.0 m deep, refilling the excavated earth after breaking clods and mixing with manure in the ratio 3:1 flooding with water, filling with earth if necessary, watering, fine dressing, leveling, supply and transportation and mixing of soil improvement, nutrients (including manure, fertilizers as required, and inside coat of DURSBAN or equivalent in all pits). Planting and staking in full at the specified location, including replacement of unhealthy and dead plants in the maintenance period. Stacking and disposal of material declared unserviceable and surplus including all leads and lifts (Cost of manure and extra earth to be paid separately) and mandatory maintenance for specified period. The pits should be large enough to accommodate root ball 1/3 root depth on all sides. Maintenance of lawn for 12 months.	94.00	Nos.		0.00	0.00	INR Zero Only
11.03	Delonix Regia ht 8-10 ft	30.00	Nos.		0.00	0.00	INR Zero Only
11.04	Cassia Fistula ht 8-10 ft	27.00	Nos.		0.00	0.00	INR Zero Only
11.05	Bahinia Blackinan ht 8-10 ft	24.00	Nos.		0.00	0.00	INR Zero Only
11.06	Plumeria Alba ht 8-10 ft	12.00	Nos.		0.00	0.00	INR Zero Only
11.07	Golden Bamboo ht 5-6 ft	1.00	Nos.		0.00	0.00	INR Zero Only
12	<b>SHRUBS &amp; CLIMBERS</b>						
12.01	The rate of the following items include for supply of plants as specified, transportation to site, excavation of pits and plantation as follows:						

12.02	Preparation of pits for Shrubs and Climbers by excavation (the required depths for the operation are given as follows) refilling the excavated earth after breaking clods and mixing with manure in the ratio 3:1. Flooding with water, filling with earth if necessary, watering, fine dressing, leveling. Finally planting the specified shrub and staking in full in the pit. Maintaining the plants for 12 months, including replacement of unhealthy and dead plants in the maintenance period. Subsequently, stacking and disposal of material declared unserviceable and surplus including all leads and lifts (Cost of manure and extra earth to be paid separately)						
12.03	Shrubs						
12.04	0.6mX 0.6m X 0.6m deep	55.00	Nos.		0.00	0.00	INR Zero Only
12.05	TABERNAEMONTANA	42.00	Nos.		0.00	0.00	INR Zero Only
12.06	Hedge	326.00	Sqm		0.00	0.00	INR Zero Only
12.07	JASMINUM SAMBAC	1.00	Nos.		0.00	0.00	INR Zero Only
12.08	Herbs	1.00	Nos.		0.00	0.00	INR Zero Only
13	<b>GROUND COVERS</b>						
13.01	Preparation of planting beds for ground covers by excavating to a depth of 0.30m, removing all foreign bodies over 50 mm dia refilling with the mix of earth and manure in the ratio 3:1 flooding with water, filling with earth if necessary, watering, dressing, leveling and finally planting the specified ground covers. Stacking and disposal of material declared unserviceable and surplus including all leads and lifts (Cost of manure and extra earth to be paid separately) all inclusive of the mandatory maintenance of 12 months.	1150.00	Sqm		0.00	0.00	INR Zero Only
13.02	Flower Bed	85.00	Sqm		0.00	0.00	INR Zero Only
14	<b>MAINTAINED LAWN</b>						
14.01	Ground Preparation for grassing.						
14.02	Excavating to a depth of 0.30m removing all foreign bodies over 50 mm dia, refilling with the mix of earth and manure in ratio 3:1, grade surface to finish levels, as indicated on grading plans. All finished areas shall slope to drain. Where no grades are shown, the areas shall have a smooth and continual grade between existing or fixed controls (such as walks, curbs, catch basins, elevations at steps or building) and levels shown on plans. Roll, scarify, rake and level as necessary to obtain true, even grassing surfaces. All finish grades shall meet approval of the Project Engineer before grassing is done.						
14.03	Grassing with turfing of specified grass including watering and maintenance of the lawn till the grass forms a thick carpet free of weeds and fit for mowing including mandatory maintenance of lawn for 12 months.	14116.08	Sqm		0.00	0.00	INR Zero Only
15	<b>Open Drain</b>						
15.01	Constructing open surface drain in Brick work including trenches including cost of excavation, bed concrete, cost of perforated covers, Catch Basin & upvc pipe etc. complete.						
15.02	300 mm Width	1730	m.		0.00	0.00	INR Zero Only
15.03	400 mm Width	150	m.		0.00	0.00	INR Zero Only
15.04	Provision for Rain Water Harvesting arrangements	5	Nos.		0.00	0.00	INR Zero Only
16	<b>Sewerage</b>						
16.01	Provision for making Septic Tank & Soak Pit	3	Nos.		0.00	0.00	INR Zero Only
17	<b>Sanitary Fixtures</b>						
17.01	Providing and fixing white vitreous china pedestal type water closet ( <b>European type</b> ) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid.						
17.02	W.C. pan with ISI marked white solid plastic seat and lid	15	Each		0.00	0.00	INR Zero Only
17.03	Providing and fixing white vitreous china flat back or wall corner type lipped front <b>urinal basin</b> of 430x260x350 mm and 340x410 x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :						
17.04	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	6	Each		0.00	0.00	INR Zero Only
17.05	Providing and fixing <b>wash basin</b> with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:						
17.06	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P.brass pillar tap	18	Each		0.00	0.00	INR Zero Only
17.07	Providing & fixing low-flow C.P. <b>hand spray with lever control (health faucet)</b> Tested up to 6 bar flow pressure, continuous flow mode and flexible hose 1 m long connection with C.P. holder for hand spray complete in all respects as per direction of Engineer-Incharge.	30	Each		0.00	0.00	INR Zero Only

17.08	Providing and fixing Stainless Steel A ISI 304 (18/8) <b>kitchen sink</b> as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :						
17.09	Kitchen sink without drain board	5	Each		0.00	0.00	INR Zero Only
17.1	Providing and fixing brass <b>bib cock</b> of approved quality :						
17.11	15 MM Nominal Bore	28	Each		0.00	0.00	INR Zero Only
17.12	Providing and fixing C.P. brass <b>angle valve</b> for basin of approved quality conforming to IS:8931						
17.13	15 MM Nominal Bore	33	Each		0.00	0.00	INR Zero Only
17.14	Providing and fixing <b>PTMT grating</b> of approved quality and colour.						
17.15	125 mm nominal dia with 25 mm waste hole	37	Each		0.00	0.00	INR Zero Only
18	<b>External / Internal Water Supply System</b>						
18.01	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. ( <b>Internal work - Exposed on wall</b> )						
18.02	15mm dia	15	m.		0.00	0.00	INR Zero Only
18.03	32mm dia	75	m.		0.00	0.00	INR Zero Only
18.04	40mm dia	7.5	m.		0.00	0.00	INR Zero Only
18.05	Providing and fixing Chlorinated Polyvinyl Chloride ( <b>CPVC</b> ) <b>pipes</b> , having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. <b>Concealed work, including cutting chases and making good the walls etc.</b>						
18.06	15mm dia	54	m.		0.00	0.00	INR Zero Only
18.07	20mm dia	36	m.		0.00	0.00	INR Zero Only
18.08	25mm dia	30	m.		0.00	0.00	INR Zero Only
18.09	32mm dia	30	m.		0.00	0.00	INR Zero Only
18.1	Providing and fixing forged brass lever operated <b>ball valve</b> of full flow with forged brass ball (Machined to mirror smooth finish with hard chrome plated) and spindle with setting and gland of superior quality having minimum working pressure of 10 kg/cm <sup>2</sup> etc. complete in all respect.						
18.11	15 mm dia. Nominal bore	3	Each		0.00	0.00	INR Zero Only
18.12	32 mm dia. Nominal bore	6	Each		0.00	0.00	INR Zero Only
18.13	40 mm dia. Nominal bore	3	Each		0.00	0.00	INR Zero Only
18.14	Providing and fixing in position of approved quality high pressure rated <b>Gun Metal Float Valve</b> with copper ball float and brass rods of required length suitable for test pressure of not less than 15 Kg/sqcm of the following sizes:						
18.15	20 mm dia	3	Each		0.00	0.00	INR Zero Only
18.16	Making connection from existing Municipal water line i.e drilling/cutting, fixing ferrule and making connection with the service pipe, complete including excavation, refilling, disposal of surplus earth, and supplying all material so to make it functional and also taking approval from the concerned authorities. If it is necessary to break or excavate the road for laying pipes and making connection, it should be restored to its original surfacing.	1	LS		0.00	0.00	INR Zero Only
19	<b>Soil Waste and Rain Water System</b>						
19.01	Providing , fixing testing and commissioning of <b>SWR TYPE -B soil, waste and vent pipes</b> (IS:13592-1992) including all fittings confirming to IS 14735-99,rubber ring confirms to IS 5382 including all required fittings e.g. bends, junctions, cowls, offsets, access pieces,clamps etc. jointing with ring Joints as per recommendation of manufacturer specifications including cutting, chasing of brick/RCC structure and making good the same as required complete in all respects as per direction of Project -In- Charge.						
19.02	110 mm outer dia	90	m.		0.00	0.00	INR Zero Only
19.03	160 mm outer dia	75	m.		0.00	0.00	INR Zero Only
19.04	Providing , fixing,testing and commissioning of uPVC 6kg/cm2 pipe to IS:4985:2000 complete with fittings, clamps and hinges including cutting and making good the walls and ceiling for waste pipes, bath wastes, overflow, kitchen equipment waste connections and condensate drainage including cutting of brick/RCC wall as required and making good the same as directed by the Engineer-in-charge.						
19.05	40 mm outer dia	20	m.		0.00	0.00	INR Zero Only
19.06	63 mm outer dia	16	m.		0.00	0.00	INR Zero Only
19.07	Providing and fixing <b>uPVC rain water pipes</b> of 6 Kg/Cm2 including bends, junctions, cowels, offsets clamp, etc. complete including jointing with cement solvent including cutting of brick/RCC wall wherever required and making good the same as directed by the Project-In-Charge.						
19.08	110mm outer Dia	10.5	m.		0.00	0.00	INR Zero Only

19.09	Providing & fixing <b>UPVC deep seal P or S trap</b> of self cleansing design with or without vent arm with provision for connecting pvc inlet fitting complete including cost of cutting and making good the walls and floors wherever required.						
19.1	110mm inlet Outer Dia and 110mm outlet outer Dia	26	Each		0.00	0.00	INR Zero Only
19.11	Providing and fixing <b>UPVC Floor Drain</b> consisting of 110x63mm Reducing elbow (with UPVC grating and pipe to be paid separately), complete as per instructions.	11	Each		0.00	0.00	INR Zero Only
19.12	Providing and fixing UPVC Clean Out plug ( <b>FCO &amp; COP</b> ) with end cap for opening, complete in all respects.						
19.13	150mm dia	6	Each		0.00	0.00	INR Zero Only
19.14	Providing and making <b>Khurras</b> with average minimum thickness of 5cm Cement Concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 Graded Stone Aggregate 20 mm nominal size) over PVC sheet 1 m x 1 m (PVC 400 microns min. thickness), finished with 12mm Cement Plaster 1:3 (1 Cement : 3 Coarse Sand, admixed with waterproofing compound) and a coat of neat cement, rounding the edges and making & finishing the outlet complete.						
19.15	Khurra Size 450 x 450mm, for 150mm dia outlet with 5mm thick circular/square vertical C.I grating.	3	Each		0.00	0.00	INR Zero Only
20	<b>External Sewerage / Drainage System</b>						
20.01	Constructing brick masonry manhole with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand), RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm nominal size), 20mm thick foundation concrete 1:4:8 mix (1 cement : 4 coarse sand; 8 graded stone aggregate 40mm nominal size), inside and outside plastering 12mm thick with cement mortar 1:3 (1 cement:3 coarse sand), finished with a floating coat of neat cement inside and rough plaster on outside and making channels in cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm nominal size), neatly finished complete as per standard design including excavation, refilling and disposal of surplus earth. <b>Inside size 60x60cms and 60cms</b> deep including SFRC cover and frame (medium duty MD-10 grade) 455x610mm internal dimensions including centering and shuttering complete.	5	Each		0.00	0.00	INR Zero Only
20.02	Providing and fixing square-mouth S.W. <b>gully trap</b> class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:						
20.03	150 x 100 mm size P type	7	Each		0.00	0.00	INR Zero Only
20.04	Making connection of <b>storm water pipe</b> to the nearest existing Municipal storm water catch basin/drain, complete including excavation, refilling, disposal of surplus earth, cutting walls of the existing drain/ manhole, supplying all materials to make it functional and restoring it to its original position and taking permission from all concerned authorities complete, as directed by the Engineer-in-Charge.	2	Each		0.00	0.00	INR Zero Only
20.05	Providing and fixing <b>M.S structural work fabricated</b> from standard sections e.g. M.S. rounds, angles, channels, plates including cutting to size, welding, drilling with concrete drilling bits and fixing dash fasteners in RCC structural members as directed by Engineer-in-charge including cutting and making good the walls, ceilings and floors (for all types of pipe supports, clamps, etc. unless included in relevant pipe items) complete, as directed by the Engineer in charge.	150	Kg		0.00	0.00	INR Zero Only
20.06	Providing and placing on terrace (at all floor levels) <b>polyethylene water storage tank</b> , IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.						
20.07	For 1000 lit. capacity	4	Each		0.00	0.00	INR Zero Only
21	<b>Domestic Water Riser Pump</b>						
21.01	Providing and fixing pumping set (Complete manufactured Skid-Mounted arrangement with manifold and accessories) with stainless steel SS-304 stage casing and SS-304 impellers with stainless steel shaft as per IEC standards and GJL250 cast iron suction & discharge casing, connected to TEFC ventilated induction motor of 2 pole, 2900 RPM, suitable for 180- 230 Volts, Single phase, 50 Hz A.C. supply with pressure gauge and with gunmetal isolation cocks, vibration elimination pads etc. complete with base and frame, nuts and bolts and necessary RCC foundations as per requirement as per instructions and pump shall have following duty: No. of pumps : 1 Head : 10 M RPM : 2900 Capacity : 500 LPH Purpose: Domestic Water Relifting Pumps to OHT Location: in Plumbing Plant Room	3	Set		0.00	0.00	INR Zero Only
22	<b>CIRCUIT CUM POINT WIRING (WITH PVC/MS CONDUITING) FOR TOILET BLOCK:</b>						

22.01	Wiring point for light with 1.5 sq. mm.FRLSH PVC insulated multistrand single core copper conductor cable in pvc conduit with 1.5 sq. mm.FRLSH PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit partly concealed in the wall and partly laid in slab with ,GP Box,piano type switch and ceiling rose/angle/ batten holder on 3 mm. thick phenolic laminated backelite sheet etc complete in all respect as directed including matching colour wash.	33	Set		0.00	0.00	INR Zero Only
22.02	Wiring point for fresh air fan (light duty exhaust fan) with 1.5 sq.mm.FRLSH PVC insulated multistrand single core copper conductor cable in pvc conduit with 1.5 sq. mm.FRLSH PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit partly concealed in the wall and partly laid in slab with, piano type switch & ceiling rose on 3 mm. thick phenolic laminated backelite sheet etc, complete in all respect as directed including matching colour wash.	9	Nos.		0.00	0.00	INR Zero Only
22.03	Wiring Point for plug with 1.5 sq. mm.FRLSH PVC insulated multistrand single core copper conductor cable in pvc conduit with 1.5 sq. mm.FRLSH PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit partly concealed in the wall and partly laid in slab and, and piano type switch and socket etc complete in all respect as directed including matching colour wash.	6	Nos.		0.00	0.00	INR Zero Only
23	<b>LDB - (4WAY SPN DB)</b>						
23.01	S & F of Surface/Flush mounting 4way SPN distribution board without additional metal door without MCB complete in all respect, as directed by Engineer in charge						
23.02	CAT A	3	Each		0.00	0.00	INR Zero Only
23.03	S&F of 40 Amp. DP MCB (10 KA) C Curve, CAT A	3	Each		0.00	0.00	INR Zero Only
23.04	S&F and making connection of 40A 2 pole 30mA ELCB/RCCB of Din Rail Mounting complete in all respect as per direction and satisfaction to the Engineer in charge.	3	Each		0.00	0.00	INR Zero Only
23.05	S&F of 6 Amp to 32 Amp. MCB (10 KA) C Curve, CAT A	12	Each		0.00	0.00	INR Zero Only
24	<b>DP ISOLATOR</b>						
24.01	SS&F of 32 Amp. 240 V DP metal clad rewirable type switch fuse unit on M.D.F.E.G. / Teak wood board complete in all respect.						
24.02	CAT B	10	Each		0.00	0.00	INR Zero Only
25	<b>SUPPLY OF LIGHT FIXTURE &amp; EXHAUST FAN.</b>						
25.01	Supply and fixing of recess/Surface/Pendent mounting round 6 Watt 8 Watt LED Down Lighter having Powder coated die cast aluminium housing with heat sink, diffuser/ Reflector and driver set complete in all respect. CAT-AAA	33	Each		0.00	0.00	INR Zero Only
25.02	Supply, Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc., complete in all respect.	9	Each		0.00	0.00	INR Zero Only
26	<b>SUPPLY OF LIGHT FIXTURE &amp; EXHAUST FAN.</b>						
26.01	Supply and laying of aluminium conductor PVC insulated armoured served sheathed cables 1100 Volts grade in Existing DWC HDPE pipe .						
26.02	6 sqmm 2 core	950	m.		0.00	0.00	INR Zero Only
26.03	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.						
26.04	63 mm dia (OD-63 mm & ID-51 mm nominal)	950	m.		0.00	0.00	INR Zero Only
27	<b>SUPPLY,INSTALLATION OF FEEDER PILLAR / PANELS</b>						
27.01	Design, manufacture, supply,installation, testing and commissioning of outdoor type external lighting feeder pillar of suitable size not less than 30 cm and upto 45 cm deep made out of M.S. sheet 2mm thick (14 SWG) duly compartmentalized, double door with locking arrangement (IP-54), duly fixed on MS angle iron frame work of size 50mm x 50mm x 6mm, 90 cm long legs out of which 45 cm duly grouted in cement concrete 1:2:4 (1 cement : 2 sand :4 stone aggregate 20mm) and having following accessories mounted inside the cubical panel i/c connection, inter connection with aluminium thimbles, earthing with two nos. earth struds duly painted with one coat of red oxide & two coats of superior quality enamel paint of approved shade complete etc. as reqd.						
27.02	Supplying,Installing & fixing of following accessories in the existing cubical panel board / feeder pillar including connection testing etc. as reqd.						
27.03	Power contactor 1 sets of single pole of suitable ratings						
27.04	Astronomical Timer, Reference 04767 - Legrand make or equivalent from GE / Siemens / L&T						
27.05	The above board shall be complete with 1 no. phase indicating lights, flush mounted Ammeter, Voltmeter, selector switches, protective fuses etc. at Incomer with all interconnections by min. 2.5 sq.mm. Copper wires.						
27.06	Danger notice plate						
27.07	<b>External Lighting Feeder Pillar :-</b>						
27.08	INCOMER : 63 AMP 4P MCB (10 KA)						

27.09	BUS BAR : 100 AMP, 500 Volts, 1 phase 50 HZ 2P high conductivity electrolytic Aluminium bus bar. The current density of bus bar shall be minimum 1.00 sq mm /amp.						
27.1	The Maximum allowable temperature for the Bus bar to be restricted to 85 deg C. The temperature rise should be restricted to 35 deg C above ambient temperature.						
27.11	<b>OUT GOINGS</b> : 8 nos. 6-32 AMP DP MCB (10 KA)	2	Set		0.00	0.00	INR Zero Only
28	<b>CABLES HIGH MAST LIGHT</b>						
28.01	Supply and laying of aluminium conductor PVC insulated armoured served sheathed cables 1100 Volts						
28.02	6 sqmm 4 core	400	m.		0.00	0.00	INR Zero Only
28.03	6 sqmm 2 core	3600	m.		0.00	0.00	INR Zero Only
28.04	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.						
28.05	63 mm dia (OD-63 mm & ID-51 mm nominal)	3600	m.		0.00	0.00	INR Zero Only
29	<b>High Mast Light</b>						
29.01	Supply and fixing of 12.5 mtr <b>High mast Pole</b> of approved make with rising system, hot dip Galvanized inside & outside, having pole sheet thickness 3mm, top dia minimum 150mm, bottom dia minimum 310mm, base plate 25mm thick, suitable for wind velocity as per IS 875 part 3. & having no circumferential weld, with accessories for high mast such as head frame suitable for 6 luminaries & its control gear boxes, 0.75 HP Power tool motor, 3 point suspension system with steel wire rope 6mm dia, double drum winch including	4	Each		0.00	0.00	INR Zero Only
29.02	Supply and fixing of bollard Light (915 mm height) Pole	46	Each		0.00	0.00	INR Zero Only
29.03	Supply and fixing of factory wired integral <b>LED flood light</b> luminaires with die cast aluminium housing built with driver set suitable for 40 to 50 Watt. Confirming to IP 65 protection complete in all respect. CAT-AAA	16	Each		0.00	0.00	INR Zero Only
29.04	Supply and fixing of 3 Watt to 4 Watt <b>LED Spot/Spike light</b> Confirming to IP 65 and above Protection complete in all respect. CAT-AA	78	Each		0.00	0.00	INR Zero Only
29.05	Supply and fixing of decorative 8 to 16 Watt <b>LED bollard</b> luminaire with driver set conforming to IP 65 and above protection complete in all respect. CAT-AA	46	Each		0.00	0.00	INR Zero Only
30	<b>Solar Light</b>						
30.01	Supply, Installation, Testing & Commissioning of Solar PV stand with Street 20W LED Lighting System comprising of one 90 Wp SPV module, one 12 V, 7.5 Ah Lead Acid Battery, one White LED luminary of 20W with in-built inverter, Charger, dusk to dawn circuit for automatic switching on & off at dusk to dawn, automatic dimming circuit (automatic/optional) based on real time clock for full bright operation during first six hours and half bright operation for rest hours, 4.5M pole, one charge-regulator, module mounting structure, Pole mounted Battery box, cables and other fittings.	23	Nos.		0.00	0.00	INR Zero Only
31	<b>G.I. EARTHING</b>						
31.01	Supply & burying of 600 mm. x 600 mm. x 6 mm. G.I. plate vertically for earthing with its top at least 3 meters below ground level complete with 20 mm. dia G.I. pipe & funnel for watering & one earthing lead of one number. 8 to 10 SWG G.I. wire in 15 mm. dia G.I. pipe up to switch board ( from apron to switch board the cost of G.I. pipe & G.I. wire will be extra ) 30 cm square C.I. frame with hinged cover masonry housing alternate layers of charcoal / coke & salt at least 150 mm. thick all-round etc. as per directions of Engineer in-charge complete in all respects as per drawing.	12	set		0.00	0.00	INR Zero Only
31.02	Supply and laying of 25mm x 3 mm G.I. strip from earth electrode directly in the ground as required with complete in all respect.	120	RM		0.00	0.00	INR Zero Only
31.03	Supplying and laying 6 SWG G.I. wire at 0.50 meter below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	3800	RM		0.00	0.00	INR Zero Only
<b>Total in Figures</b>					<b>0.00</b>	<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>	<b>INR Zero Only</b>						