



AN ISO 9001 & 14001 COMPANY

## TENDER DOCUMENT

NIT No: SRO/COM/ETS/267 dated 02.12.2024.

FOR

**Tender for** “Construction of Road work, External Development, Landscape & Hardscape work for Construction of New Technology Centre at Sriperumbudur, Tamil Nadu”

### VOLUME – III Price schedule

#### **TENDER INVITING AUTHORITY**

Engineering Projects (India) Limited  
(A GOVT. OF INDIA ENTERPRISE)  
Southern Regional Office,  
3D, EC Chambers, 92 GN Chetty Road  
T. Nagar, Chennai- 600 017

Tender Inviting Authority: ENGINEERING PROJECTS (INDIA) LIMITED

Name of Work: Construction of Road work, External Development, Landscape & Hardscape work for Construction of New Technology Centre at Sriperumbudur, Tamil Nadu

Contract No: SRO/CON/ETS/267 dated 02.12.2024

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 #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE excluding GST In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT excluding taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	7	11	13
2.015	2.2) EARTH WORK						
2.016	2.2.1) Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 500 m and lift upto 1.5 m, as directed by Engineer-in-charge.						
2.017	2.2.1.1) All kinds of soil	item1	3525.00	cum		0.00	INR Zero Only
2.018	2.2.2) Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 500 m.						
2.019	2.2.2.1) All kinds of soil	item2	300.00	cum		0.00	INR Zero Only
2.020	2.2.3) Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.						
2.021	2.2.3.1) All kinds of soil.	item3	570.00	cum		0.00	INR Zero Only
2.024	2.2.5) 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 500 m and lift upto 1.5 m.	item4	222.00	cum		0.00	INR Zero Only
2.026	2.2.7) Providing and laying minimum 230 mm thick dry rubble (soling) packing for foundation with approved hard stone set in regular lines, hand packed, filling the interstices with small stone chips and sand, ramming, watering and compacting, etc. complete as directed by Engineer-In-Charge.	item5	125.00	Sqm		0.00	INR Zero Only
2.027	2.2.8) Filling in Plinth with approved CNS (cohesive non expansive soil) free from vegetations, brought from outside including supply in layers not exceeding 20 cms in thickness, confining the fill, and consolidating / compacting the deposited layer by mechanical means / compactors, plate vibrators and watering etc., to achieve desired density as specified complete as per specification and as directed by Engineer-In-Charge. (Quoted rate to include cost of compaction to achieve at least 95% modified Proctor Density of refilled excavated earth.)	item6	900.00	cum		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
2.030	2.2.10) Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :						
2.031	2.2.10.1) All kinds of soil						
2.032	2.2.10.1.1) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	item7	1898.40	metre		0.00	INR Zero Only
2.033	2.2.10.1.2) Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	item8	31.60	metre		0.00	INR Zero Only
2.034	2.2.11) Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m.						
2.035	2.2.11.1) All kinds of soil						
2.036	2.2.11.1.1) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	item9	172.00	metre		0.00	INR Zero Only
2.037	2.2.11.1.2) Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia	item10	70.40	metre		0.00	INR Zero Only
2.038	2.2.12) Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :						
2.039	2.2.12.1) Ordinary rock :						
2.040	2.2.12.1.1) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	item11	20.00	metre		0.00	INR Zero Only
2.041	2.2.13) Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m. (including dewatering)						
2.042	2.2.13.1) Ordinary rock :						
2.043	2.2.13.1.1) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	item12	20.00	metre		0.00	INR Zero Only
2.053	2.3) PLAIN CEMENT CONCRETE WORK						
2.054	2.3.1) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
2.055	2.3.1.1) 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	item13	95.00	cum		0.00	INR Zero Only
2.056	2.3.1.2) 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size).	item14	15.00	cum		0.00	INR Zero Only
2.067	FORMWORK						
2.068	2.4.1) Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
2.069	2.4.1.1) Foundations, footings, bases of columns, etc. for mass concrete.	item15	200.00	sqm		0.00	INR Zero Only
2.070	2.4.1.2) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	item16	950.00	Sqm		0.00	INR Zero Only
2.071	2.4.1.3) Suspended floors, roofs, landings, balconies and access platform	item17	155.00	sqm		0.00	INR Zero Only
2.081	Reinforcement Note:- 1) Thereinforcement consumed shall be measured as per client approved measurements.						
2.082	2.4.2) Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						

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1	2	3	4	5	7	11	13
2.083	2.4.2.1) Thermo-Mechanically Treated bars HYSD Fe500D or more (Including Supply)	item18	16700.00	kg		0.00	INR Zero Only
2.084	2.4.2.1 a) Thermo-Mechanically Treated bars HYSD Fe500D or more (Excluding Supply)	item19	10000.00	kg		0.00	INR Zero Only
2.087	2.4.4) Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of cantering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. (Note :- Minimum Cement content shall be 350 kg/cum)						
2.088	2.4.4.1) All works upto plinth level	item20	250.00	Cum		0.00	INR Zero Only
2.089	2.4.4.2) All works above plinth level upto floor V level	item21	15.00	cum		0.00	INR Zero Only
2.091	2.4.5) Extra for providing richer mixes at all floor levels.						
2.092	2.4.5.1) Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Minimum Cement content shall be 360 kg/cum)						
2.093	2.4.5.1.1) All works upto plinth level	item22	250.00	cum		0.00	INR Zero Only
2.094	2.4.5.1.2) All works above plinth level upto floor V level	item23	15.00	cum		0.00	INR Zero Only
2.113	2.4.12) Providing and applying water swellable-bar at starter & all construction joints, of c/section 20mmX5mm, it shall have unrestrained volumetric expansion more than 200% in 30 days, Hydrostatic pressure resistance of 50 meters. It shall be fixed to the concrete using a gun grade hydrophilic adhesive / or mechanically fixed by non corrosive nailing as recommended by manufacturer complete as directed by engineer in charge.	item24	140.00	metre		0.00	INR Zero Only
2.165	2.6.4.1) Providing & Applying 2 coats of CFTRI approved, waterproof coating with high performance two component pre-packed cementitious waterproofing, with a mix ratio of (liquid: Powder), parts by wt. - 1:1.4 @ 2.2 Kg/sqm to achieve DFT of 1.5mm over the wall & floor surface as per the manufacturers' specification & drawing with the turnkey execution to be done by the manufacturer through its in house subsidiary execution company and with 10 years composite warranty against leakages, to be provided by the principal manufacturer / civil contractor. All the coats to be applied in right angle to each other. The coating shall have following properties: Tensile strength : 2.6 N/mm2 as per ASTM D 412, Elongation at break, % : 120 as per ASTM D 412, Adhesion strength : 1 N/mm2 as per ASTM D 4541, crack bridging : 2mm as per ASTM C 836, Water penetration (5 bar pressure) : 1% as per BS EN 12390, Hardness, Shore A : 60 as per ASTM D 2240, RCPT permeability : 92% as per ASTM C 1202-97, including proper surface preparation as per manufacturers' specification, cleaning work, removal of loose concrete and filling cracks with polymer modified mortar using SBR Latex, URP. All the honeycombed areas & construction joints shall be identified and injected with cement slurry admixed with expansive additive, AM @ 225gms / bag of cement.	item25	450.00	Sqm		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
2.166	Making of angle fillets all around the periphery of the wall with polymer modified mortar using SBR Latex, URP, etc, complete. Protection Cum Hygiene Coat: Providing & applying 2 coats of two component, water-based epoxy resin with additive fillers, anti-algae, anti-fungal, Non-flammable, Non-toxic, hygiene cum damp-proof coating @ 4 sqm / Kg, as directed by the manufacturer with the turnkey execution to be done by the manufacturer through its in house subsidiary execution company and with 10 years composite warranty against leakages, to be provided by the principal manufacturer / civil contractor. The coating shall be Certified by CFTRI as per 21 CFR 175 – 300 of US – FDA. Mixing Ratio (Base: Hardner: Water) – 1:1:1, Specific Gravity : 1.2, Water vapour permeance : 244.48 g/m2/24 hrs, as per IS 7809/Pt 2/1977, Adhesion strength: 2.5 N/mm2 as per ASTM D 4541 : 02, as per manufacturers' specification, etc, complete as directed by engineer in charge.						
2.167	2.6.5) UG TANK EXTERNAL AREAS						
2.168	Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be included in this item). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions. iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer.						
2.169	2.6.5.1) Using rough kota stone.	item26	70.00	sqm		0.00	INR Zero Only
2.170	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :						
2.171	2.6.5.2) Using rough kota stone.	item27	600.00	sqm		0.00	INR Zero Only
2.172	2.6.6) Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete :						
2.173	2.6.6.1) Serrated with central bulb (225mm wide, 8-11mm thick).	item28	140.00	metre		0.00	INR Zero Only
2.174	2.6.7) WATERPROOF SEALING AROUND THE UTILITIES/ PIPES PASSING THROUGH RCC WALL ETC	item29	50.00	sqm		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
2.175	Supplying & sealing the pipe inserts, etc provided in the floor & walls with 1.5 mm thick two sided non-reinforced polymerized bituminous self adhesive Tape, to seal the joint between pipes/inserts and the core cuts. The Tape shall have Softening point (R&B) >60°C as per ASTM D 36, Elongation, (Compound) > 500% as per ASTM D 412, Water absorption at 24 hrs < 0.3 as per ASTM D 570, Water permeability @ 5bar : Nil as per BS EN 12390, Adhesion strength : 1.0 N/mm as per ASTM D 1000, Cold temperature flexibility < -6°C as per UEAtc, followed by grouting the gaps around the pipe / inserts with a non shrink cementitious waterproof grout, 10M, shall conform to ASTM C 109 - 1999 18, ASTM C 1107, Grade C,all followed by sealing with Liquid Applied PU flashing of Flexi PU with reinforcing polyester mesh embedded between the two coats of Flexi PU, at the junction of the pipes and slab / wall area, including proper cleaning of the junctions and sealing the junction with PU sealant conforming to ASTM C-920-S, NS, 25 & BS EN ISO—11600: 2003 Type F & G as per manufacturers' specification, etc, complete as directed by engineer in charge.						
2.194	2.7.2) Drilling with core cutting machine in RCC slabs, walls etc. wherever required in buildings, manholes,ducts etc. for laying pipes, and making good the same to give an even finish . The rate shall include the cost of drilling core, providing water proofing compound for sealing the joints around the pipes, nominal reinforcement wherever required, scaffolding and labour charges for working at all levels, leads and heights. (Maximum thickness of RCC members shall be 300mm) and as directed by Engineer-In-Charge.						
2.195	2.7.2.1) Upto 200mm dia	item30	5.00	each		0.00	INR Zero Only
2.221	2.7.17) Providing granular bedding with carefully compacted backfill at all level using graded hard crusher broken stone 100% passing through 20 m sieve,20-50% passing through 10 mm sieve and 100% retained on 6 mm sieve,laying in layers not more than 15 cm thick including ramming,watering,compaction etc.complete for pipe bedding and surrounding as per drawing and as directed by the engineer in charge.(Width of bedding=OD+400 mm)	item31	800.00	cum		0.00	INR Zero Only
2.222	2.7.18) Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete						
2.223	2.7.18.1) 150 mm dia RCC pipes.	item32	448.80	metre		0.00	INR Zero Only
2.224	2.7.18.2) 300 mm dia RCC pipes.	item33	1074.80	metre		0.00	INR Zero Only
2.225	2.7.18.3) 450 mm dia RCC pipes.	item34	88.00	metre		0.00	INR Zero Only
2.226	2.7.18.4) 600 mm dia RCC pipes.	item35	9.60	Metre		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
3.283	3.5.8) Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12 mm dia steel bar conforming to IS : 1786, having minimum cross section as 23 mm x 25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	item36	200.00	each		0.00	INR Zero Only
10.000	<b>10.0) EXTERNAL SERVICES WORKS</b>						
10.001	10.1) Sewerage system						
10.002	10.1.1) Manholes						
10.003	10.1.1.1) Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :						
10.004	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):						
10.005	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item37	28.00	each		0.00	INR Zero Only
10.006	10.1.1.2) Extra for depth for manhole						
10.007	size 90 X 80 cm						
10.008	10.1.1.2.1) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item38	10.00	Metre		0.00	INR Zero Only
10.009	10.1.1.3) Constructing brick masonry circular type manhole 0.91 M. internal dia at bottom and 0.56 M. dia at top with F.P.S. bricks in cement mortar 1:4 (1 cement: 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement :3 coarse sand: 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size ) finished with a floating coat of neat cement all complete as per standard design						
10.010	0.91 M deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to IS : 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) including centering shuttering all complete with excavation, footrest and 12 mm thick cement plaster at the external surface.						
10.011	10.1.1.3.1) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item39	96.00	each		0.00	INR Zero Only

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10.012	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m						
10.013	10.1.1.3.2) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item40	42.00	Metre		0.00	INR Zero Only
10.014	10.1.1.4) Constructing brick masonry circular manhole 1.22 M. internal dia at bottom and 0.56 M. dia at top with F.P.S. bricks in cement mortar 1:4 (1 cement: 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement :3 coarse sand: 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size ) finished with a floating coat of neat cement all complete as per standard design						
10.015	1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete with excavation, foot rests and 12 mm thick cement plaster at the external surface.						
10.016	10.1.1.4.1) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item41	18.00	each		0.00	INR Zero Only
10.017	Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m						
10.018	10.1.1.4.2) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item42	5.00	Metre		0.00	INR Zero Only
10.019	10.1.1.5) Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :						
10.020	2.30 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete with excavation, foot rests and 12 mm thick cement plaster at the external surface.						
10.021	10.1.1.5.1) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item43	19.00	each		0.00	INR Zero Only
10.022	Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m :						
10.023	10.1.1.5.2) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item44	10.00	Metre		0.00	INR Zero Only



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10.024	10.1.1.6) Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910, on 12 mm dia. Steel bar conforming to IS:1786, having minimum cross section as 23mm x 25 mm and overall minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded leg having 2 mm tread on top surface by ribbing or chequering besides necessary and adequated anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per spaeifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	item45	911.00	each		0.00	INR Zero Only
10.025	Cement Plaster 1:3 (1cement:3 coarse sand) finished with a floating coat of neat cement						
10.026	10.1.1.7) 12mm thick cement plaster	item46	812.00	sqm		0.00	INR Zero Only
10.027	10.1.1.8) Providing sand cast iron drop connection externally for 60cm drop from branch sewer line to main sewer manhole including inspection & cleaning eye with chain & lid , sand cast iron drop pipe and bend encased all round with cement concrete 1:5:10( 1cement: 5 fine sand: 10 graded stone aggregate 40mm nominal size) with all centering and shuttering required , cutting holes in walls and making good with brick work in cement mortar 1:4 ( 1 cement : 4 coarse sand) plastered with cement mortar 1:3 ( 1cement : 3 coarse sand) on inside of the manhole wall, lead caulked joints between sand cast iron pipes and fittings , stiff cement mortar 1:1 ( 1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications:						
10.028	10.1.1.8.1) 150mm dia. sand cast iron drop connection	item47	4.00	each		0.00	INR Zero Only
10.029	10.1.1.9) Extra for depths beyond 60cm of sand cast iron drop connection complete:						
10.030	10.1.1.9.1) For 150mm dia. sand cast iron drop connection	item48	4.00	each		0.00	INR Zero Only
10.031	10.1.1.10) Providing and fixing square mouth S. W. Gully trap class SP-1 complete with C.I. grating brick masonry chamber with F.P.S bricks and water tight CI cover with frame of 300 x 300 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:						
10.032	150x100mm size P type						
10.033	10.1.1.10.1) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item49	28.00	each		0.00	INR Zero Only
10.034	Making soak pit 2.5m diameter 3.0metre deep with 45x45cm dry brick honey comb shaft with bricks and S.W. drain pipe 100mm diameter, 1.8m long complete as per standard design.						
10.035	10.1.1.10.2) with common burnt clay F.P.S.(non modular) bricks of class designation 7.5	item50	4.00	each		0.00	INR Zero Only
10.036	10.1.1.11) Providing, installing and commissioning readymade type RCC Septic tank 1200mm Dia, 2500 mm long with covers for 50 users as per drawings / details etc including making connections to inlet, outlet, dewatering, complete, as directed by Engineer In Charge.	item51	4.00	each		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
10.037	10.1.1.12) Providing , supplying Prefab Grease separator plant for 600 meals per day and operation hours 8 hrs. for under ground installation with suitable top sections. Emptying & cleaning via Shaft manhole cover with connections for inlet & outlet. Make : Nihva Aco	item52	1.00	each		0.00	INR Zero Only
10.299	10.5) POTABLE, RECYCLED / NON-POTABLE WATER SUPPLY SYSTEM						
10.300	10.5.1) Supplying, laying, jointing, testing and commissioning of UPVC pipes conforming to ASTM D-1785 for pipes schedule 80 and ASTM D-2467 fittings of schedule 80 with all fittings like tees, elbows, bends, unions, coupling, reducer tees, collars etc. solvent cement of medium body IPS brand or equivalent including supporting on walls complete Pipe to be laid below ground level in trenches/direct buried up to required depth as per drawing. including excavation in all kind of soil, dewatering, making sand bed as per specification and PWD standards, backfilling, dewatering, ramming & removing the surplus excavated material and making good the same complete as required. Cost shall be inclusive of providing protection to pipe all round / haunches for road crossing as per specification and disposal of surplus soil from site. (Pipe dia mention in this section are clear internal pipe diameter and contractor has to select the pipe with dia nearest diameter to this) including excavation in ground and making Soil backfilling as per previous condition. pipes shall be run conforming to CPWD norms. complete as per Technical specification, approved method statement and drawings. (External water Supply : Domestic, Drinking, Flushing, Irrigation tapping)						
10.301	10.5.1.1) 80 mm OD. (upto the depth of 1.5 mtr)	item53	1407.00	metre		0.00	INR Zero Only
10.302	10.5.1.2) 100 mm OD. (upto the depth of 1.5 mtr)	item54	988.00	metre		0.00	INR Zero Only
10.303	10.5.2) Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :						
10.304	10.5.2.1) 100 mm dia Ductile Iron Class K-7 pipes	item55	52.00	metre		0.00	INR Zero Only
10.305	10.5.3) Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :						
10.306	10.5.3.1) 100 mm dia pipes	item56	10.00	each		0.00	INR Zero Only
10.307	10.5.4) Providing and laying S&S CI standard specials such as tees bends collars tapers and caps etc suitable for flanged jointing as per IS : 1538.						
10.308	10.5.4.1) Upto 300mm dia	item57	1.00	quintal		0.00	INR Zero Only
10.309	10.5.5) Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :						
10.310	10.5.5.1) With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	item58	26.00	each		0.00	INR Zero Only
10.311	10.5.6) BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified						
10.312	10.5.6.1) 65 mm dia	item59	12.00	each		0.00	INR Zero Only

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10.313	10.5.6.2) 80 mm dia	item60	4.00	each		0.00	INR Zero Only
10.314	10.5.6.3) 100 mm dia	item61	10.00	each		0.00	INR Zero Only
10.315	10.5.7) Providing and laying non-pressure NP3 class socketed R.C.C. pipes (heavy duty) jointed with EPDM gasket (ISI marked) including testing of joints and checking and making good leakages wherever required complete as per directions of the Engineer.						
10.316	10.5.7.1) 200 mm dia (ID)	item62	150.00	metre		0.00	INR Zero Only
10.317	10.5.7.2) 300 mm dia (ID)	item63	100.00	metre		0.00	INR Zero Only
10.318	10.5.8) Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :						
10.319	10.5.8.1) With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	item64	4.00	each		0.00	INR Zero Only
10.320	10.5.9) Providing and fixing enclosed type water meter (bulk type) conforming to IS:2373 and tested by Municipal Board complete with bolts,nuts, rubber insertions etc. (The tail piece if required will be paid seperately)						
10.321	10.5.9.1) 100 mm dia nominal bore	item65	4.00	each		0.00	INR Zero Only
10.322	10.5.10) Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for chilled / hot water circulation including insulation as specified.						
10.323	10.5.10.1) 100mm dia	item66	4.00	each		0.00	INR Zero Only
11.000	<b>11.0) ROAD WORKS</b>						
11.001	11.1) Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	item67	16201.00	sqm		0.00	INR Zero Only
11.002	11.2) Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	item68	3646.00	cum		0.00	INR Zero Only
11.003	11.3) Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in- Charge.						
11.004	11.3.1) With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30.	item69	3106.00	cum		0.00	INR Zero Only
11.005	11.4) Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm ) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	item70	3389.00	cum		0.00	INR Zero Only

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1	2	3	4	5	7	11	13
11.006	11.5) Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom.						
11.007	11.5.1) With medium setting bitumen emulsion						
11.008	11.5.1.1) On W.B.M / W.M.M. @ 0.4kg/sqm	item71	8900.00	sqm		0.00	INR Zero Only
11.009	11.6) Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge.						
11.010	11.6.1) 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	item72	445.00	cum		0.00	INR Zero Only
11.011	11.7) Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.						
11.012	11.7.1) 40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	item73	267.00	cum		0.00	INR Zero Only
11.013	11.8) Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.						
11.014	11.8.1) New work (Two or more coats)	item74	614.00	sqm		0.00	INR Zero Only
11.015	11.9) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
11.016	11.9.1) 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	item75	174.00	cum		0.00	INR Zero Only
11.017	11.1) 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).	item76	223.00	cum		0.00	INR Zero Only
11.018	11.11) Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete as per direction of Engineer In Charge- On concrete kerb	item77	1485.00	sqm		0.00	INR Zero Only
12.000	<b>12.0) Landscaping</b>						

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1	2	3	4	5	7	11	13
12.001	12.1) Landscape Works : Softscape						
12.002	12.1.1) Excavation, Site Dressing and Land Modulation						
12.003	12.1.1.1) Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	item78	23900.00	cum		0.00	INR Zero Only
12.004	12.1.2) Site Cleaning & Soil Restoration						
12.005	12.1.2.1) Uprooting rank vegetation and weeds by digging the area to a depth of 60 cm, removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts.	item79	40387.00	sqm		0.00	INR Zero Only
12.006	12.1.2.2) Removing good quality shrubs and trees and storing them in dry cement bags by utilising the excavated soil. Excavated shrubs and trees shall be stored till further instructions in an area stated as the nursery zone. Watering the same to achieve 100% survival.	item80	1.00	each		0.00	INR Zero Only
12.007	12.1.2.3) Existing Topsoil to be excavated for restoration to a depth of 200 mm (not more than 400 mm) and separated from subsoil debris and stones larger than 50 mm diameter to be stockpiled to a height of 400 mm in designated area. Stockpiled topsoil to be protected from erosion during storage by installing earthen berms/solid walls/temporary grass plantation/covering with mulch/plastic sheets. Stockpiled topsoil to be protected with sand bags/solid walled enclosures (2 feet high) on all sides for containment. Appropriate drainage channels to be dug around the storage area to prevent flooding of the top soil storage area as instructed by engineer incharge.	item81	7900.00	cum		0.00	INR Zero Only
12.008	12.1.3) Rough Dressing						
12.009	12.1.3.1) Rough dressing the trenched ground including breaking clods.	item82	29511.00	sqm		0.00	INR Zero Only
12.010	12.1.4) Fine Dressing						
12.011	12.1.4.1) Fine dressing of the ground.	item83	29511.00	sqm		0.00	INR Zero Only
12.012	12.1.4.2) Preparation of mounds of various size and shape by available excavated / supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto 1.5 m complete as per direction of Officer-in-charge.	item84	10.00	cum		0.00	INR Zero Only
12.013	12.1.5) Mixing and Spreading of Good Soil and Manure						
12.014	12.1.5.1) Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and / or good earth to be paid separately).	item85	6663.00	cum		0.00	INR Zero Only
12.015	12.1.5.2) Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in- charge	item86	6663.00	cum		0.00	INR Zero Only
12.016	12.1.5.3) Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) :						

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12.017	12.1.5.4) Holes 90 cm dia. and 90 cm deep	item87	631.00	each		0.00	INR Zero Only
12.018	12.1.5.5) Holes 60 cm dia. and 60 cm deep	item88	750.00	each		0.00	INR Zero Only
12.019	12.1.5.6) Holes 45 cm dia. and 45 cm deep.	item89	630.00	each		0.00	INR Zero Only
12.020	12.1.5.7) Excavation for raising Lawn on Soft surface: Excavating the ground to the depth of 30 cm removing excavated material from the site.	item90	3820.00	sqm		0.00	INR Zero Only
12.021	12.1.5.8) Excavation for planting Hedges/ Edges/ Flower Beds on Soft surface: Excavating the ground to the depth of 30 cm removing excavated material from the site.	item91	3440.00	sqm		0.00	INR Zero Only
12.022	12.1.5.9) Excavation for preparing Shrubbery on Soft surface: Excavating the ground for preparing Shrubbery in the earth / murum/ sand for a depth of 0.60 m	item92	440.00	sqm		0.00	INR Zero Only
12.023	12.1.5.10) Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and leveling (cost of supplying earth and sludge or manure and mixing excluded).	item93	6663.00	cum		0.00	INR Zero Only
12.024	12.1.6) Weeding						
12.025	12.1.6.1) Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	item94	10151.00	sqm		0.00	INR Zero Only
12.026	12.2) Softscape Works and Plantation						
12.027	12.2.1) Good Garden Soil						
12.028	Supplying and stacking of good earth at site including royalty and carriage complete (earth measured in stacks will be reduced by 20% for payment).	item95	2400.00	cum		0.00	INR Zero Only
12.029	12.2.2) Cow Dung Manure						
12.030	Supplying and stacking of well decayed cow dung manure at site including and carriage complete (Cow dung manure measured in stacks will reduced by 8% for Payment).	item96	1200.00	cum		0.00	INR Zero Only
12.031	12.2.3) Grassing						
12.032	12.2.3.1) Grassing with selection No. 1 grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the good earth shall be paid for separately).						
12.033	12.2.3.3) With grass Turf / Carpet Grass	item97	1277.00	sqm		0.00	INR Zero Only
12.034	12.2.3.4) Planting Doob grass, Cynadon dactylon at 50mm c/c	item98	2330.00	sqm		0.00	INR Zero Only
12.035	12.2.3.5) Planting Jumping / Korian / Zoicya grass at 25mm c/c	item99	210.00	sqm		0.00	INR Zero Only
12.036	12.2.3.6) Planting Cynadon dactylon in Grass Pavers	item100	1720.00	sqm		0.00	INR Zero Only
12.037	12.2.3.7) Providing and planting good quality lawn suckers of Cynodon dactylon with necessary bed preparation over the restored soil beds on site and apply water to the mix for the period of two weeks, sowing the lawn suckers at 75mm c/c in staggered fashion wherever required, rolling the surface to have a uniform level to avoid water stagnancy and then maintaining the same till well established until the site is ready for soil reuse.	item101	10151.00	sqm		0.00	INR Zero Only
12.038	12.2.3.8) Renovating lawns including weeding, cheeling the grass, forking the ground, top dressing with sludge or manure, mixing the same with forked soil, watering and maintaining the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing and disposal of rubbish as directed, including supplying good earth if needed but excluding the cost of sludge or manure (the good earth shall be paid for separately).	item102	5540.00	sqm		0.00	INR Zero Only
12.039	12.2.4) Shrubs, Hedges, Shrubbery and Groundcover Plantation						

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12.040	12.2.4.1) Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	item103	2859.00	cum		0.00	INR Zero Only
12.041	12.2.4.2) Planting Shrubs (Labour, transport and unloading) (Excluding cost of plant)	item104	440.00	sqm		0.00	INR Zero Only
12.042	12.2.4.3) Planting Hedges, Shrubby and Groundcovers (Labour, transport and unloading) (Excluding cost of plant)	item105	3440.00	sqm		0.00	INR Zero Only
12.043	12.2.4.4) Duranta variegated	item106	370.00	sqm		0.00	INR Zero Only
12.044	12.2.4.5) Lantana camara depressa	item107	290.00	sqm		0.00	INR Zero Only
12.045	12.2.4.6) Lantana Yellow	item108	750.00	sqm		0.00	INR Zero Only
12.046	12.2.4.7) Ixora parviflora	item109	70.00	sqm		0.00	INR Zero Only
12.047	12.2.4.8) Wadelia trilobata	item110	2400.00	sqm		0.00	INR Zero Only
12.048	12.2.4.9) Bougainvillea glabra	item111	630.00	each		0.00	INR Zero Only
12.049	12.2.4.10) Nerium oleander dwarf	item112	630.00	each		0.00	INR Zero Only
12.050	12.2.4.11) Thevetia nerifolia	item113	120.00	each		0.00	INR Zero Only
12.051	12.2.4) Trees Plantation						
12.052	12.2.4.1) Providing well grown trees with minimum average girth of 5 cm and minimum height of 1.5 M above finished level after plantation of specified variety , at desired location & at specified distances. Achieving finished grade level. Planting the tree with appropriate anchoring, leveling the top soil surface as specified after plantation, staking to balance the tree. Including transport to the site & planting , preparation of tree basin, watering & maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.						
12.053	12.2.4.2) Planting Tree (Labour, transport and unloading) (Excluding cost of plant)	item114	688.00	each		0.00	INR Zero Only
12.054	12.2.4.3) Tree List: (Ht. At time of plantation: 1M-1.5M)						
12.055	12.2.4.4) Albizia odoratissima	item115	30.00	each		0.00	INR Zero Only
12.056	12.2.4.5) Bauhinia purpurea	item116	50.00	each		0.00	INR Zero Only
12.057	12.2.4.6) Erythrina indica variegated	item117	55.00	each		0.00	INR Zero Only
12.058	12.2.4.7) Grevillea robusta	item118	67.00	each		0.00	INR Zero Only
12.059	12.2.4.8) Mimusops elengi	item119	65.00	each		0.00	INR Zero Only
12.060	12.2.4.9) Plumeria alba	item120	116.00	each		0.00	INR Zero Only
12.061	12.2.4.10) Crataeva religiosa	item121	75.00	each		0.00	INR Zero Only
12.062	12.2.4.11) Millingtonia hortensis	item122	55.00	each		0.00	INR Zero Only
12.063	12.2.4.12) Roystonea regia	item123	5.00	each		0.00	INR Zero Only
12.064	12.2.4.13) Cycas Revoluta	item124	73.00	each		0.00	INR Zero Only
12.065	12.2.4.14) Dypsis lutescens	item125	19.00	each		0.00	INR Zero Only
12.066	12.2.4.15) Peltophorum pterocarpum	item126	8.00	each		0.00	INR Zero Only
12.067	12.2.4.16) Cassia nodosa	item127	20.00	each		0.00	INR Zero Only
12.068	12.2.4.17) Tabebuia rosea	item128	4.00	each		0.00	INR Zero Only
12.069	12.2.4.18) Cassia siamea	item129	4.00	each		0.00	INR Zero Only
12.070	12.2.4.19) Plumeria rubra	item130	10.00	each		0.00	INR Zero Only
12.071	12.2.4.20) Nyctanthes arbor tristis	item131	12.00	each		0.00	INR Zero Only
12.072	12.2.4.21) Saraca indica	item132	9.00	each		0.00	INR Zero Only
12.073	12.2.4.22) Michelia champa	item133	11.00	each		0.00	INR Zero Only
12.074	12.3) Irrigation System						
12.075	12.3.1) Manual Irrigation						

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1	2	3	4	5	7	11	13
12.076	Providing, Fixing, Testing & Commissioning of Manual pipe irrigation system with all necessary fittings, pumps and related civil works, including all labours, all complete	item134	11100.00	sqm		0.00	INR Zero Only
12.077	12.4) Landscape Works : Hardscape						
12.078	12.4.1) Leather finish Kota stone slab in various dimensions for outdoor flooring 25 mm thk						
12.079	Leather finish 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) (Slab thickness 25mm)	item135	290.00	sqm		0.00	INR Zero Only



NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE excluding GST In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT excluding taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	7	11	13
12.080	12.4.2) Mirror Polished Kota stone slab in various dimensions for outdoor flooring 25 mm thk						
12.081	Mirror Polished 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 (1cement : 4 coarse sand) (Slab thickness 25mm)	item136	300.00	sqm		0.00	INR Zero Only
12.082	12.4.3) Unpolished Kota stone tiles for tile edging between plantation 25 mm thk						
12.083	Unpolished 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 (1cement : 4 coarse sand) (Slab thickness 25mm)	item137	2000.00	metre		0.00	INR Zero Only
12.084	12.4.4) Mirror Polished Kota stone slab in various dimensions for outdoor Seating 40 mm thk						
12.085	Mirror Polished 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) (Slab thickness 40mm)	item138	50.00	sqm		0.00	INR Zero Only
12.086	12.4.5) Cement concrete interlocking pavers with Gravel joint 60mm thk						
12.087	Providing & Fixing 60 mm thick unishape cement concrete interlocking pavers (monolithic-single layer precast concrete blocks manufactured in gray cement only) in red ( Terra Cotta) Black, Brown or any colour having average crusting strength 40 N/mm <sup>2</sup> with pigment @ 3% by weight of cement in the footpath, placed on uniformly graded river sand cushioning of average compacted thickness 25 mm properly compacted with mechanical compactor with required level. Filling crushed gravel (gravel dia not bigger than 10mm)in the cavity as per the paver design post complete installation and compation. complete as specified and as directed by the Engineer.						
12.088	12.4.5.1) Paver with Ash Grey colour	item139	1000.00	sqm		0.00	INR Zero Only
12.089	12.4.5.2) Paver with Terracotta colour	item140	2100.00	sqm		0.00	INR Zero Only
12.090	12.4.5.3) Paver with Brown colour	item141	2110.00	sqm		0.00	INR Zero Only
12.091	12.4.6) Pre-cast cement concrete Grass pavers 60mm thk						
12.092	Providing and fixing at ground levels, pre cast cement concrete grass pavers as per drawing with M30 grade concrete (Min cement content 380 kg/cum) including providing, laying and fixing HYSD reinforcement of dia. 8 mm and spacing max 200 mm and setting in position over 50 mm thick sand layer etc complete as directed by Engineer.	item142	1706.00	sqm		0.00	INR Zero Only
12.093	12.4.7) Providing & Fixing of stainless steel 304 grade matt finish 3mm Flag pole of 6m height from FGL with pulley Cleat mounted on base plate complete as per directions of engineer in charge ( excluding the cost of RCC foundation. Material Specifiacion Bottom Pipe -220mm 2nd Pipe -150mm 3rd Pipe- 100mm Base plate Dimension 500x500x20mm	item143	1.00	Nos		0.00	INR Zero Only
<b>Total in Figures</b>						<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>						<b>INR Zero Only</b>	