



**FINANCIAL BID FORM**

**BHAGALPUR SMART CITY LIMITED**

NIT No-

:-

BSCl/Night Shelter/2020/29

Name of Work for

:-

Request for Proposal (RFP) For  
"CONSTRUCTION AND OPERATION &  
MAINTAINANCE OF NIGHT SHELTER AT  
MAYAGANJ HOSPITAL COMPLEX,  
BHAGALPUR Under SMART CITY MISSION  
(SCM) in Bhagalpur, Bihar" on Item Rate  
Basis

Estimated Cost (in Rs.)

:-

5,56,44,909

Earnest Money (in Rs.)

:-

11,14,000

Cost of Tender Document (in Rs.)

:-

10,000.00

Bid Processing Fee of Beltron (in Rs.)

:-

As per e-proc norms

**Non-Refundable and to be paid only through e-Payment mode i.e. Internet payment gateway (Master or Visa Card)/Internet Banking/NEFT or RTGS**

**COLOUR CELLS TO BE FILLED IN BY BIDDER**

Name of the Bidder

:-

Address / Contact Details of the Bidder

:-

**Night Shelter (100 bed Hospital Annexe)**

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
	<b>EARTH WORK</b>					
1	Earth work in excavation 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 50 m.All kinds of soil.	cum	164.90		0.00	
2	Total earth filling Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	cum	575.80		0.00	
	<b>CONCRETE WORK</b>					

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3	Pile work in foundation Providing, driving with hydraulic piling rigs with power units and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 400 mm dia piles	Rmt	1680.00		0.00	
4	PCC Work Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	90.84		0.00	
5	Centring and shuttering including strutting,propping etc. and removal of form for.Foundations, footings, bases of columns etc. for mass concrete.	sqm	436.72		0.00	
6	Anti termite Treatment : Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatrnt(including the cost of chemical emulsion), For pre construction termite treatment Along external wall where the apron is not provided using chemical imulsion @ 7.5 liters / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:With chlorpyriphos/Lindone E.C. 20% with 1% concentration	metre	1028.01		0.00	
7	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatrnt(including the cost of chemical emulsion) Along external wall where the apron is not provided using chemical imulsion @ 7.5 liters / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: With chlorpyriphos/Lindone E.C. 20% with 1% concentration External wall length	metre	237.93		0.00	
8	Damp- Proof Course : Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).	sqm	138.36		0.00	
9	Applying residual bitumen on plinth beam Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg. per square metre on damp orooof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	138.36		0.00	
10	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	sqm	107.07		0.00	
<b>REINFORCED CEMENT CONCRETE WORK</b>						
11	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, pillars, piers, Abutments, Posts, Struts	sqm	540.80		0.00	

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12	Centring and Shuttering- floor and Roof Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	sqm	1511.94		0.00	
13	Centring and Shuttering- Shelves Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)	sqm	26.60		0.00	
14	Centring and Shuttering- Beams, Lintels Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	2389.67		0.00	
15	Centring and Shuttering- Stairs Centering and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings) except spiral-staircases	sqm	7.77		0.00	
16	Centring and Shuttering- Chazza and Architectural projections Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges	sqm	364.20		0.00	
17	RCC Work Providing and Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete.All works upto plinth level	cum	154.28		0.00	
18	RCC in columns walls, Columns, pillars, posts and struts	cum	43.52		0.00	
19	RCC in Beams, lintel, floor slabs, chazza, Beams, girders, cantilevers, suspended floors, lintels, roofs and staircases including spiral staircase and shelves etc.	cum	388.37		0.00	
<b>STEEL REINFORCEMENT</b>						
20	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	21783.24		0.00	
21	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	17426.59		0.00	
22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	kg	34853.19		0.00	
23	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	kg	13069.95		0.00	

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24	Expansion joint 100mm in floor Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical localtion in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self- centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063).Floor Joint of 100 mm gap	meter	17.19		0.00	
25	Expansion joint 100mm in wall Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063).	meter	14.40		0.00	
<b>BRICK WORK</b>						
26	Brick work in plinth Brick work with bricks of class designation 100A in foundations and plinth in :cement mortar1:4(1cement:4coarse sand)	sqm	11.90		0.00	
27	Brick flat soling Brick work 7cm thick with brick of class designation 100A cement mortar 1:3 ( 1 cement : 3 coarse sand ) in super structure	sqm	735.50		0.00	
28	Fly Ash Brick Work in Superstructure Brick Work with flyash bricks as per IS 12894(2002) & IS 3495 in foundation and plinth in: Cement Mortar 1:4 (1 cement:4Coarse sand) Extra for Brick work in superstructure above plinth level up to floor V	cum	473.32		0.00	
<b>MARBLE &amp; GRANITE WORK</b>						

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29	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Area of slab over 0.50 sqm	sqm	123.36		0.00	
30	Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	meter	1317.80		0.00	
31	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/granite/stone work including necessary holes for pillar taps etc. including rubbing, moulding and polishing of cut edges etc. complete.	each	19.00		0.00	
<b>DOOR &amp; WINDOW WORKS</b>						
32	Providing flush door Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	107.73		0.00	
33	Providing wood door/window frame Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	cum	0.70		0.00	
34	Providing and fixing curtain rods Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:	m	242.00		0.00	
35	Providing hold fast for wood frames Providing 40X5mm flat iron hold fast 40cm long including fixing to frame with 10 mm dia. Bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement: 3 coarse sand : 6 graded stone 20mm nominal size)	each	300.00		0.00	

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36	Providing UPVC window ventilator shutter Area of window above 1.75 sqm) Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multichambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).	sqm	264.69		0.00	
37	Providing glazing in ventilators and windows Providing and fixing glazing in aluminium door, windows, ventilators, shutters and partitions etc, with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge (cost of aluminium snap beading shall be paid in basic item) With float glass panes of 4.0 mm thickness.	sqm	264.69		0.00	
38	Providing door stopper Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete. Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with Providing and fixing bright finished	each	6.00		0.00	
39	Tower bolts Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 250x10 mm	each	54.00		0.00	
40	Tower bolts Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 150x10 mm	each	54.00		0.00	

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41	Tower bolts Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 100x10 mm	each	56.00		0.00	
42	Door Latch Providing and fixing bright finished brass door latch with necessary screws etc. complete 300X16X5 mm	each	110.00		0.00	
43	Sliding Door bolts Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete 300x16 mm	each	110.00		0.00	
44	Decorative High pressure laminates Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality:1.0 mm thick	sqm	107.73		0.00	
45	PVC Door shutter 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm ( $\pm 0.2$ mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm 0.2$ mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	88.20		0.00	
46	PVC Door frames Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm,made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in- Charge.	meter	277.20		0.00	
<b>STEEL WORK</b>						
47	Steel works in gates Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works	kg	396.90		0.00	

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48	Steel works in Railing Providing and Fixing Stainless Steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	569.70		0.00	
49	Providing S.S. grill in window Providing and Fixing Stainless Steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	914.44		0.00	
<b>FLOORING WORK</b>						
50	Vitrified tiles in flooring Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand ) including grouting the joint with whitecement and matching pigments etc., complete.	sqm	1303.69		0.00	
51	Ceramic Tiles in flooring Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such shades except white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	sqm	208.25		0.00	
52	Ceramic tiles on wall Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	962.38		0.00	



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53	Vitrified tiles in skirting Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.Size of Tile 600x600 mm	sqm	124.14		0.00	
<b>FINISHING WORK</b>						
54	12 mm internal plaster work- 1:3 12 mm cement plaster 1:3( 1 cement: 3coarse sand)	sqm	3569.00		0.00	
55	15 mm external plaster work (coarse Sand) 15 mm cement plaster 1:3 (1 cement: 3 coarse sand )	sqm	1873.25		0.00	
56	6 mm plaster work in ceiling (coarse Sand) 6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand)	sqm	1303.69		0.00	
57	Internal & External putty work Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	6745.93		0.00	
58	Applying Primer on internal and external wall Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture,including applying additional coats wherever required, to achieve even shade and colour.Two coats	sqm	6745.93		0.00	
59	Internal Paint work Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work	sqm	4872.69		0.00	
60	External Paint Works Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	1873.25		0.00	
61	Paint on wood works Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture.	sqm	141.10		0.00	
62	Providing water proofing in Toilet Providing and laying in situ five course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 kg. per sqm, 2nd & 4th courses of bonding material® 1.60 kg. per sqm which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, third layer of glass fibre tissue course as specified, fifth, the top most layer of stone grit 6 mm and down size or pea-sized gravel sprad @ 6 dmJ per sqm including preparation of surface excluding grading for slope etc. complete.Toilet floor area	sqm	208.25		0.00	

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63	Earthwork excavation : Earth work in excavation 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 50 m.All kinds of soil.	cum	210.37		0.00	
64	Total earth filling Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	cum	140.25		0.00	
65	PCC Work : Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	12.59		0.00	
<b>REINFORCED CEMENT CONCRETE WORK</b>						
66	Centring and Shuttering- Column Centering and shuttering including strutting, propping etc. and removal of form for : Columns, pillars, piers, Abutments, Posts, Struts	sqm	9.18		0.00	
67	Centring and Shuttering- Beams, Lintels Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers Plinth beam	sqm	205.15		0.00	
68	RCC Work : Providing and Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete.	cum	46.56		0.00	
69	RCC in columns Providing and Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete. walls, Columns, pillars, posts and struts	cum	8.31		0.00	
70	Steel Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-	kg	8409.21		0.00	
71	Brick work in plinth Brick work with bricks of class designation 100A in foundations and plinth in : cement mortar1:4(1cement:4coarse sand)	cum	54.30		0.00	
<b>MARBLE &amp; GRANITE WORK</b>						
72	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size,approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups,including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.Area of slab over 0.50 sqm	sqm	458.74		0.00	

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73	Providing S.S. grill : Providing and Fixing Stainless Steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).grill	kg	1737.72		0.00	
<b>SANITARY INSTALLATIONS &amp; Plumbing Works</b>						
74	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests	each	4.00		0.00	
75	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm 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.	each	58.00		0.00	
76	Providing and fixing wash basins with C.P. brass pillar tap, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls and floors where required.White Vitreous china Wash basin of size 630 x 450mm with single 15mm C.P brass pillar tap.	each	49.00		0.00	
77	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	49.00		0.00	
78	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	64.00		0.00	
79	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :150 mm diameter	each	40.00		0.00	
80	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore	each	98.00		0.00	
<b>WATER SUPPLY</b>						

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
81	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, 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 cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls 15 mm nominal outer dia pipes	metre	620.00		0.00	
82	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, 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 cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls 20 mm nominal outer dia pipes	metre	320.00		0.00	
83	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, 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 cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls 25 mm nominal outer dia pipes	metre	250.00		0.00	
84	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, 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 cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls 32 mm nominal outer dia pipes	metre	180.00		0.00	
85	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. EXTERNAL WORKS 25 mm dia. nominal bore	metre	100.00		0.00	
86	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. EXTERNAL WORKS 32 mm dia. nominal bore	metre	150.00		0.00	
87	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. EXTERNAL WORKS 40 mm dia. nominal bore	metre	75.00		0.00	
88	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. EXTERNAL WORKS 50 mm dia. nominal bore	metre	200.00		0.00	
89	Providing and fixing ball (brass) valve of approved quality. High or low pressure, with plastic floats complete: 15 mm nominal bore.	each	49.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
90	Providing and fixing ball (brass) valve of approved quality. High or low pressure, with plastic floats complete: 20 mm nominal bore.	each	49.00		0.00	
91	Providing and fixing ball (brass) valve of approved quality. High or low pressure, with plastic floats complete: 25 mm nominal bore	each	49.00		0.00	
92	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. Reducer For 48.60 mm x 42.70 mm outer dia pipe	each	68.00		0.00	
93	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. Reducer For 42.70 mm x 34.00 mm outer dia pipe	each	62.00		0.00	
94	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. Reducer For 34.00 mm x 22.22 mm outer dia pipe	each	82.00		0.00	
95	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. Reducer For 22.22 mm x 15.88 mm outer dia pipe	each	108.00		0.00	
96	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. For 15.88 mm outer dia x 15 mm nominal dia threaded	each	68.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
97	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge. For 22.22 mm outer dia x 15 mmmnominal dia threaded	each	62.00		0.00	
98	Providing and fixing uplasticised PVC connection pipe with brass unions : 30 cm length 15 mm nominal bore	each	72.00		0.00	
99	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe 40 mm dia	each	49.00		0.00	
100	Painting of GI pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work. 25 mm dia. nominal bore	metre	100.00		0.00	
101	Painting of GI pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work. 32 mm dia. nominal bore	metre	150.00		0.00	
102	Painting of GI pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work. 40 mm dia. nominal bore	metre	75.00		0.00	
103	Painting of GI pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work. 50 mm dia. nominal bore	metre	200.00		0.00	
104	Providing and placing on terrace (at all floor levels) polyethylene <b>water storage tank</b> ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fitting and base support for tank.	per litre	40000.00		0.00	
105	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 a) 15 mm nominal bore	each	89.00		0.00	
106	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms 15 mm nominal bore.	each	89.00		0.00	
107	Providing and fixing C.P brass angle valve for basin mixer and geyser points of approved quality confirming to IS:8931 15 mm nominal bore	each	111.00		0.00	
108	Providing and fixing PTMT Grating of approved quality and colour Circular Type 125 mm nominal dia with 25 mm waste hole	each	96.00		0.00	
109	Providing & fixing PTMT soap dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements.Weighing not less than 106gms.	each	64.00		0.00	
<b>SEWRAGE &amp; DRAINAGE</b>						
110	Providing, laying and jointing glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1cement :1 fine sand) including testing of joints etc complete. 200 mm diameter	metre	380.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
111	Providing and laying cement concrete 1 : 5 : 10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) upto haunches of S.W. Pipes including bed concrete as per standard design. 200 mm diameter	metre	380.00		0.00	
112	Providing and fixing square mouth S. W. Gully trap grade 'A' 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 150 x 100 mm. size P type With common burnt clay F.P.S. (non modular) bricks of class	each	25.00		0.00	
113	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc complete 250 mm diameter R.C.C pipes	metre	380.00		0.00	
114	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 40 mm nominal size), inside plastering 12 mm 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 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : 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) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	25.00		0.00	
115	Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	25.00		0.00	
<b>BOREWELL</b>						
116	Boring/drilling bore well of required dia for casing / strainer pipe, by suitable method prescribed in IS:2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer - in-charge, upto 90 metre depth below ground level.All type of soil 300 mm dia	metre	90.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
117	Boring/drilling bore well of required dia for casing / strainer pipe, by suitable method prescribed in IS:2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer - in-charge, beyond 90 metre & upto 150 metre depth below ground level. All type of soil 300 mm dia	metre	60.00		0.00	
118	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge. 200 mm nominal size dia having minimum wall thickness 5.40 mm	metre	50.00		0.00	
119	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer- in -charge.	metre	50.00		0.00	
120	Development of tube well in accordance with IS:2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in- Charge.	Hour	36.00		0.00	
121	Providing and fixing suitable size threaded mild steel cap or spot as per requirement, all complete for borewell of 200 mm nominal size dia	each	2.00		0.00	
122	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete 200 mm nominal size dia	each	2.00		0.00	
123	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) mix for sanitary sealing of well at top (approx. 5m from top).	cum	1.00		0.00	
<b>RAIN WATER PIPES AND FITTINGS</b>						



S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
124	Making khurra 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mx1mx400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete :	Each	60.00		0.00	
125	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	Metre	437.00		0.00	
126	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion. Coupler 110mm	Each	60.00		0.00	
127	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion. Single T with door 110x110x110 mm	Each	60.00		0.00	
128	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion. Bend 87.5°110 mm bend	Each	60.00		0.00	
129	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110mm	Each	720.00		0.00	
130	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	60.00		0.00	
<b>BoQ of Civil Works Recharge Pit 10MX 5M X 5M</b>						
131	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 50 m.All kinds of soil.	cum	400.00		0.00	
132	Centring and shuttering including strutting,propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform.	sqm	80.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
133	Design Mix Concrete Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including 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 Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	cum	10.00		0.00	
134	Steel Reinforcement Up to plinth level Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	750.00		0.00	
135	Brick work up to Plinth Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand )	cum	65.00		0.00	
136	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge 100 mm nominal size dia	M	30.00		0.00	
137	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	m <sup>3</sup>	160.00		0.00	
138	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	m <sup>3</sup>	160.00		0.00	
139	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer for all leads & lifts, all complete as per direction of Engineer -in-charge.	m <sup>3</sup>	80.00		0.00	
140	<b>BoQ of Civil Works SEPTIC TANK (100 User)</b>					
141	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 50 m. All kinds of soil.	cum	168.00		0.00	
142	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	sqm	56.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
143	Design Mix Concrete : Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including 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 Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level Septic Tank cover	cum	7.00		0.00	
144	Up to plinth level Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars TMTC-500-8mm dia. RCC work in slab	kg	525.00		0.00	
145	Brick work up to Plinth Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand) Recharge pit wall	cum	43.40		0.00	
146	Brick flat Soling Half brick masonry with bricks of class designation 100B in foundations and plinth in : Cement mortar 1:3 (1 cement: 3 coarse sand ) Septic tank base	sqm	56.00		0.00	
147	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:1:2 ( 1 cement: 1 coarse sand:2 graded stone aggregate 20 mm nominal size) Septic tank base	cum	5.60		0.00	
148	20 mm external plaster work (coarse Sand) 1: 4(1 cement: 4 coarse sand)	sqm	142.80		0.00	
149	Cement punning Making bell mouth opening/ entrance of size 100x50x50 cm for drainage pipe under footpath, including providing cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) for shape of bell mouth, including plastering providing and fixing precast R.C.C./ S.F.R.C. slab including plastering with cement mortar 1:3 (1 cement : 3 fine sand) of 6 mm thickness on exposed surface of the slab & bell mouth including centring, shuttering & neat cement punning inside the bell mouth etc. all complete.	each	142.80		0.00	
150	Supplying and fixing C.I. cover without frame for manholes : 500mm diameter c.i cover ( light duty) the weight of the cover to be not less than 58 kg	each	4.00		0.00	
151	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	4.00		0.00	
	<b>Electification work</b>					
	<b>WIRING</b>					
152	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch , modular plate, suitable size G.I. box etc as required. Group C	point	599.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
153	Wiring for twin control light point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box etc as required.	point	256.00		0.00	
154	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	metre	1500.00		0.00	
155	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 4 X 6 sq. mm + 1 X 6 sq. mm earth wire	metre	900.00		0.00	
156	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.4 X 10 sq. mm + 1 X 10 sq. mm earth wire	metre	250.00		0.00	
157	Supplying and drawing following sizes of PVC insulated aluminium conductor, single core cable in the existing surface/ recessed PVC conduit as required. 6 x 2.5 sq. mm	metre	400.00		0.00	
158	Supplying and drawing following sizes of PVC insulated aluminium conductor, single core cable in the existing surface/ recessed PVC conduit as required. 9 x 2.5 sq. mm	metre	250.00		0.00	
159	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	metre	1800.00		0.00	
160	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	metre	1450.00		0.00	
161	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. Switch board	each	172.00		0.00	
162	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. 15 Amps switch socket and switch board	each	84.00		0.00	
163	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. 5 Amps switch socket and switch board	each	166.00		0.00	
164	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. AC point	each	34.00		0.00	

S.No	ITEM OF WORK	Unit	Qty	Rate inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M (in Rs.)	Amount inclusive of all taxes, GST and O & M in words
165	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	each	456.00		0.00	
166	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	each	5.00		0.00	
167	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required Telephone socket outlet	each	71.00		0.00	
168	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required TV antenna outlet	each	30.00		0.00	
169	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required Bell push	each	2.00		0.00	
170	Supplying and fixing following Modular base and cover plate on existing modular metal boxes etc. as required 1 or 2 Module	each	60.00		0.00	
171	Supplying and fixing following Modular base and cover plate on existing modular metal boxes etc. as required 4 Module	each	10.00		0.00	
172	Supplying and fixing following Modular base and cover plate on existing modular metal boxes etc. as required 6 Module	each	127.00		0.00	
173	Supplying and fixing following Modular base and cover plate on existing modular metal boxes etc. as required 8 Module	each	150.00		0.00	
174	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required. 1 or 2 Module	each	60.00		0.00	
175	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required. 4 Module (125mmX75mm)	each	10.00		0.00	
176	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required. 6 Module (200mmX75mm)	each	127.00		0.00	
177	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required. 8 Module (125mmX125mm)	each	150.00		0.00	
178	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed PVC conduit as required.	metre	550.00		0.00	
179	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc. as required.	each	81.00		0.00	

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180	Supplying and fixing brass batten/ angle holder including connection etc. as required.	each	14.00		0.00	
181	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required	each	2.00		0.00	
182	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required..	each	81.00		0.00	
183	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	each	48.00		0.00	
184	Extra for fixing the louvers shutters complete with frame for a exhaust fan of all sizes	each	48.00		0.00	
185	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 12 way (4 + 36), Double door	each	11.00		0.00	
186	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps, Tripole pole and neutral	each	11.00		0.00	
187	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. 50/63 amps, Tripole pole and neutral	each	11.00		0.00	
188	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. 6/32 amps, Single pole	each	344.00		0.00	
189	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required	each	560.00		0.00	
<b>EARTHING</b>						
190	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	set	1.00		0.00	
191	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ termination with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of brass nut bolt and & spring washer spaced at 50 mm)	metre	20.00		0.00	
192	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	14.00		0.00	

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193	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	set	1.00		0.00	
194	Supplying and laying 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode, including connection with brass nut, bolt, spring, washer excavation and refilling etc. as required.	metre	20.00		0.00	
195	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	metre	14.00		0.00	
196	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	metre	14.00		0.00	
<b>SUPPLYING AND LAYING OF CABLES</b>						
197	4 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 130 mm and made of 3 mm thick sheet, base plate dimension 220 X 220 X 12 mm including suitable size foundation bolts etc. (with 18% GST included)	each	10.00		0.00	
198	8 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 155 mm and made of 3 mm thick sheet, base plate dimension 260 X 260 X 16 mm including suitable size foundation bolts etc. (with 18% GST included)	each	10.00		0.00	
199	3 core, 120 sq. mm , 11 KV grade, armoured power H.T. cable , XLPE insulated with PVC sheathed & aluminium conductor (with 18% GST included)	metre	150.00		0.00	
200	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. Upto 120 sq. mm	metre	150.00		0.00	
201	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (Clamped with 1 mm thick saddle)	each	8.00		0.00	
<b>Lightning Conductor</b>						
202	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	each	2.00		0.00	
203	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	each	2.00		0.00	
204	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	each	84.00		0.00	
205	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	metre	34.00		0.00	



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206	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	metre	46.00		0.00	
	<b>Fittings and accessories</b>					
207	Recess mounting LED round down light (12W) with all accessories and replacable electronic driver	each	454.00		0.00	
208	Regular make 1200mm Sweep ceiling fan	each	81.00		0.00	
209	LED lamp 10/12 W	each	14.00		0.00	
210	300 mm, 230V, A.C. exhaust fan	each	48.00		0.00	
211	200 mm X 250 mm X 60 mm deep PVC/metal box	each	454.00		0.00	
	<b>Horticulture &amp; Landscaping Works</b>					
	<b>Preparation of soil for planting</b>					
212	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 leveling 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).	cum	120.00		0.00	
213	Supplying and stacking of good earth at site including royalty and carriage upto 5 km complete (earth measured in stacks will be reduced by 20% for payment).	cum.	100.00		0.00	
214	Supplying and stacking sludge at site including royalty and carriage upto 5 km complete (sludge measured in stacks will be reduced by 8% for payment).	cum.	120.00		0.00	
215	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km complete (manure measured in stacks will be reduced by 8% for payment) : 2.4.3 Screened through sieve of I.S. designation 4.75 mm	cum.	80.00		0.00	
216	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	sqm	600.00		0.00	
217	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).	cum	200.00		0.00	
218	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	cum	120.00		0.00	



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219	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 finishing, 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)	cum	75.00		0.00	
220	Tree plants : Providing and stacking of Fishtail palm of ht. 270-300 cm bottom girth 40-50 cm well developed in big size HDPE bags as per direction of the officer-in-charge.	each	24.00		0.00	
221	Tree plants : Supply and stacking of Delonix regia (Gulmohar) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge	each	24.00		0.00	
<b>Providing grass</b>						
222	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and then rolling the surface with light roller make the surface smooth and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge.	sqm	345.00		0.00	
223	Providing and displaying of Brassia Variegated having ht. 30 cm, well developed with fresh and healthy foliage in 20 cm size of Earthen pot/ Plastic pot & as per direction of the officer-in-charge.	each	60.00		0.00	
224	Providing and displaying of Croton Petra Bangalore variety having ht. 60 cm to 75 cm with 4 to 6 branches, well developed, fresh and healthy colorful leaves in 25 cm size of Earthen pot/Plastic pot & as per direction of the officer-in-charge.	each	75.00		0.00	
225	Providing and Displaying Bougainvillea named variety, Sobhra, Thima, Marry palmar, Cherry Blossom etc. well developed with fresh & healthy bushy in full bloom 75 to 90 cm ht. in 40 cm Cement Pot as per direction of the officer-in-charge.	each	35.00		0.00	

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226	<b>Garden maintenance for 1 years</b> : Complete maintenance of the entire garden features having as per yard stick in the garden area i.e. lawn trees, shrubs, hedge, flower beds, foliages, creepers etc. including hoeing,weeding pruning replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mover and brush cutter , removal of garden waste, applying insecticide, pesticide & fertilizers(whenever required) top dressing of lawn with good earth and menure and maintenance of other garden related works as directed by office-in-charge (Cost of Good Earth, Manure, Fertilizer, Insecticide , Pesticide will be provided by the Department & lawn mover and brush cutter with fuel , other T & P material/articles shall be provided by the contractor.) - Open spaces(as per yard stick 1Mali =3.00Acre).	per sqm per year	650.00		0.00	
227	<b>Concrete pavers</b> : Providing and laying factory made chamfered edge cement concrete paver blocks in foot path, park and lawns drive way or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted berd of course sand, compacting and proper embedding/laying of inter locking paver blocks in to the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand cutting of paver balocks as per size required size and pattern, finishing and sweeping extra sand,all complete as per manufacturer's specifications & directoion of E/I.	sqm	1846.00		0.00	
<b>Civil and Architectural work</b>						
<b>Steel Furnitures : Stainless steel Works In Bed, Study Table and Chairs</b>						
228	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Bed	kg	3538.08		0.00	
229	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Study Table	kg	958.50		0.00	

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230	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Reception Table	kg	93.60		0.00	
231	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Seating Chairs	kg	567.00		0.00	
232	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Sofa 5 seater	kg	243.00		0.00	
233	Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.). Dining Table	kg	226.80		0.00	
	<b>Total</b>				0.00	
						<b>Name of Bidder</b>