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ABSTRACT ESTIMATE

Work ID : 201920038687 Name of the Work : Construction of Toilet with Running Water
U-DISE Code : 28145200502 School Name : MPPS UPPUDI
Estimate Amount (in Rs.) : 5,95,459/-

Sl.No.	Description of Item	Quantity	Rate (in Rs.)	Unit	Amount (in Rs.)
1	Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)	41.49	152.88	cum	6,343
2	Plain Cement Concrete (1:4:8) using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work	1	3761.47	cum	3,761
3	Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work	3.66	3632.98	cum	13,297
4	Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement.	8.04	5289.80	cum	42,530

5	Sand filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Sand filling]	8.94	616.40	cum	5,511
6	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[FOOTINGS]	2.68	7068.35	cum	18,943
7	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PEDASTALS]	0.35	7481.35	cum	2,618
8	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS]	2.11	8577.35	cum	18,098

9	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PLINTH BEAMS]	2.06	9060.35	cum	18,664
10	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS]	1.56	8017.62	cum	12,507
11	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[LINTELS]	0.15	8623.35	cum	1,294

12	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick]	3.63	8045.27	cum	29,204
13	Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work.	26.31	342.61	sqm	9,014
14	Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.	12.55	5632.28	cum	70,685
15	Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete.	21.87	256.68	sqm	5,614
16	Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls.	104.72	113.95	sqm	11,933
17	Plastering with CM (1:5), 20mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls.	16.46	250.35	sqm	4,121
18	Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work	15.27	720.65	sqm	11,004

19	Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size 45x75 MM . The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM	20.1	506.00	rmt	10,171
20	Providing and fixing 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame	4.79	3030.00	Sqm	14,514
21	Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac	157.57	121.78	sqm	19,189
22	Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL	11.14	219.04	sqm	2,440

23	Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded.	1050	48.41	Kgs	50,831
24	Supplying and fixing of 75 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)	18	89.10	rmt	1,604
25	Supplying and fixing of 110 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)	15	169.13	rmt	2,537
26	Supplying and fixing of 90 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)	30	141.49	rmt	4,245
27	Constructing 457.2mm x 457.2mm (1-6 x 1-6) brick in CM (1:6) prop. Masonry inspection chamber upto 914.4mm (3-0) and fitted with light weight 457.2mm x 457.2mm (1-6 x 1-6) frame and cover of 20kg., including cost and conveyance of all materials to site, all labour charges, sales and otehr taxes on all materials etc., complete for finished item of work	2	3238.00	Nos	6,476
28	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50].	36	85.00	rmt	3,060

29	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[28.60 mm dia CPVC SDR 13.50].	27	123.00	rmt	3,321
30	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS First Floor]	2.15	8790.79	cum	18,900
31	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS First Floor]	0.47	8132.08	cum	3,822
32	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[34.90mm ODPipe - SDR 13.5].	12	193.00	rmt	2,316

33	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick]	0.14	8045.27	cum	1,126
34	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick First Floor]	0.67	8159.74	cum	5,467
35	VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 200mm thick First Floor]	1.06	6984.08	cum	7,403

36	Supplying and fixing 580 mm x 440 mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with P or S trap Hindware / Parryware / Neycer with brick masonry seat, CC squatting plate and fixing 12.70mm dia NP Push cock 1st quality , P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm around well above the joint to stop leakage at the joint etc., 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges etc., complete for finished item of work.	1	1677.00	Nos	1,677
37	Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors.	2	2469.00	Nos	4,938
38	Supply and fixing of white glazed flat back bowl urinals of size 590 x 375 x 390 mm with internal rim flushing mm fixed with screws complete in Indian make (Parry/Neycer/Hindware/CERA) conforming to IS 2556 -1995 as approved by Engineer - in - charge 12.7 mm PVC connection with brass plumber union nuts CM Coated. including 12.70 mm push cock 1st quality of approved make including supply & fixing 31.75 mm dia PVC flexible water pipe of 914.40 mm length of 1st including cost and conveyance of all materials to site labour charges etc., complete for finished item of work for all floors	2	2647.00	Nos	5,294

39	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Esso or equivalent complete with standard CI brackets including wooden block ,1 No.12.70mm PVC connection with brass union nuts CP coated , 1 No.12.70mm NP bib tap 300 gms Seiko or equivalent including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work	4	1894.00	Nos	7,576
40	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams	7	351.76	Nos	2,462
41	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve]	10	207.00	Nos	2,070
42	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[40 mm PPR Ball valve]	10	445.00	Nos	4,450
43	Supplying & Transportation of 0.5H.P single phase ISI Mono block CI body motor pumpset(25x25mm) Make:Kirlosker/Cropmton/Texmo/KSB/Lubi. As per (ELEC-5.4.11)	1	5000.00	Nos	5,000
44	Supply and Run of 2 of 10 sq. mm WPSC (Weather Proof Single Core) Aluminium cable along with No.10 SWG G.I. bearer wire through PVC cleats with all accessories including labour charges etc., complete for service mains	50	75.00	mtr	3,750
45	Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete.	20	66.86	mtr	1,337
46	Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete.	30	71.44	mtr	2,143

47	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete.	10	611.17	Nos	6,112
48	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete.	30	64.93	mtr	1,948
49	Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 modular metal box with cover frame on a common board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.switches	2	284.35	Nos	569
50	Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outgoing including internal connection and labour charges for surface/ flush mounting etc., complete.	2	4107.07	Nos	8,214
51	Supply, Transportaton, and fixing of 20W, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., completes including all labour charges and conveyance of all materials etc complete with with flexible wire and connections.	3	867.50	Nos	2,603
52	Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose.	4	209.75	Nos	839
53	Providing independent earthing by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete.	1	4547.63	Nos	4,548
54	Provision for SEIGNIORAGE CHARGES @ 1.00%	1	5080.92	Percentage	5,081
55	Provision for PS Charges @ 3.00%	1	17259.69	Percentage	17,260
56	Provision for Quality Control Charges @ 0.50%	1	2876.62	Percentage	2,877

57	Provision for NAC Charges @ 0.1%	1	508.09	Percentage	508
58	Provision for GST @ 12.00%	1	61641.75	Percentage	61,642
	Total	-	-		5,95,459

DETAILED ESTIMATE

Work ID : 201920038687 Name of the Work : Construction of Toilet with Running Water
 U-DISE Code : 28145200502 School Name : MPPS UPPUDI
 Estimate Amount (in Rs.) : 5,95,459/-

Description of Item	Number	Length	Width	Thickness	Total Quantity	Units	Rate in Rs.	Amount in Rs.
Earth work excavation and depositing on bank with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work including seignorage charges excluding dewatering charges etc., complete for Foundation of Building.(APSS No. 308)								
Columns Front Side	3	1.05	1.05	1.35	4.47			
Columns Back Side	3	1.05	1.05	1.35	4.47			
Soakpit	1	1.5	1.5	1.75	3.94			
Septic Tank	1	3	2.1	1.8	11.34			
For Steps	1	1.5	1.8	0.3	0.81			
For OHSR (1x4 x1.40x1.40xas per site condition)	4	1.4	1.4	2.1	16.46			
Total					41.49	cum	152.88	6,343
Plain Cement Concrete (1:4:8) using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work								
Columns Front Side	3	1.05	1.05	0.15	0.5			
Columns Back Side	3	1.05	1.05	0.15	0.5			
Total					1	cum	3761.47	3,761
Plain Cement Concrete (1:5:10) M5 grade using 40mm nominal size SS5 hard broken granite metal including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete for finished item of work								
Toilets inside	2	2.51	3.11	0.1	1.56			
Deduct Plinth Beam	1	3.11	0.23	0.1	-0.07			
Septic Tank	1	3	2.1	0.1	0.63			
Soakpit	1	1.5	1.5	0.1	0.23			

Others, if any	1	1.5	1.8	0.1	0.27			
for OHSR(1x4x1.40x1.40x.10)	4	1.4	1.4	0.1	0.78			
for OHSR under pb (1x4x1.70x0.38x.10)	4	1.7	0.38	0.1	0.26			
Total					3.66	cum	3632.98	13,297
Brick masonry in CM (1:6) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Basement.								
Room alround (below GL & above GL)	1	21.67	0.23	0.45	2.24			
Soakpit Alround	1	4.52	0.23	1.5	1.56			
Septic tank Alround	1	8.72	0.23	1.5	3.01			
For Steps	3	1.8	0.3	0.15	0.24			
For Ramp	4	3.6	0.23	0.3	0.99			
Total					8.04	cum	5289.8	42,530
Sand filling in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work.[Sand filling]								
Inside Basement	2	2.51	3.11	0.6	9.37			
Deduction of Plinth Beams	1	3.11	0.23	0.6	-0.43			
Total					8.94	cum	616.4	5,511
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[FOOTINGS]								
Column Footing F1	6	0.9	0.9	0.23	1.12			
For OHSR (4x1.25x1.25x0.25)	4	1.25	1.25	0.25	1.56			
Total					2.68	cum	7068.35	18,943
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PEDASTALS]								
for OHSR(1x4x0.38x0.38x0.60)	4	0.38	0.38	0.6	0.35			
Total					0.35	cum	7481.35	2,618

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS]

Columns upto Plinth Beam Level	6	0.23	0.23	1	0.32			
Columns from Plinth Beam to Roof Level	6	0.23	0.23	2.7	0.86			
For OHSR (4x0.23x0.23x upto GL)	4	0.23	0.23	1.4	0.3			
For OHSR (4x0.23x0.23x3.00 upto First Brace)	4	0.23	0.23	3	0.63			
Total					2.11	cum	8577.35	18,098

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[PLINTH BEAMS]

Room Middle walls	2	5.71	0.23	0.3	0.79			
Room cross walls	3	3.11	0.23	0.3	0.64			
Room Partition walls	2	1.5	0.23	0.23	0.16			
Brace Beam for OHSR (4x1.70x0.23x0.30)	4	1.7	0.23	0.3	0.47			
Total					2.06	cum	9060.35	18,664

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS]

Roof Beam Allround	1	17.64	0.23	0.23	0.93			
Roof Beam Middle	1	3.11	0.23	0.23	0.16			
Brace Beam for OHSR (4x1.70x0.23x0.30)	4	1.7	0.23	0.3	0.47			
Total					1.56	cum	8017.62	12,507

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[LINTELS]

Lintel beam Long walls	2	1.83	0.23	0.15	0.13			
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Deduct Columns in walls	6	0.23	0.23	0.15	-0.05			
Lintel beam Short walls	3	1.35	0.11	0.15	0.07			
Total					0.15	cum	8623.35	1,294
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick]								
Roof slab area(with 0.30m alround projection)	1	6.31	4.17	0.12	3.03			
Septic Tank	1	2.86	1.96	0.12	0.64			
Deduct Manhole	1	0.6	0.6	0.12	-0.04			
Total					3.63	cum	8045.27	29,204
Providing Impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost and conveyance of all materials all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work.								
Roof slab area(with 0.30m alround projection)	1	6.31	4.17	0	26.31			
Total					26.31	sqm	342.61	9,014
Brick masonry in CM (1:8) with bricks of traditional size 23 x 11 x 7 cm 2nd class including cost and conveyance of all materials and all labour charges etc., complete for finished item of work for Superstructure.								
Toilet Block Allround	1	17.64	0.23	2.7	10.95			
Toilet Block long walls(i/s)	1	3.11	0.23	2.7	1.93			
Toilet Partition walls	2	4.01	0.11	2.7	2.38			
Deduct Main Door	2	1.22	0.23	2.13	-1.2			
Deduct Toilet Doors	3	0.75	0.11	2.13	-0.53			
Deduct Ventilaters	3	0.6	0.23	0.3	-0.12			
Deduct Columns	6	0.23	0.23	2.7	-0.86			
Total					12.55	cum	5632.28	70,685
Ornamental Ceiling plastering with CM (1:3), 12mm thick including cost and conveyance of all materials and all labour charges etc., complete.								
Toilets portion	2	2.51	3.11	0	15.61			
Slab projection allround	1	19.62	0.3	0	5.89			
Door Soffits	2	1.22	0.15	0	0.37			
Total					21.87	sqm	256.68	5,614

Plastering with CM (1:5) Single Coat, 12mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls.

Inside Toilets allround	2	11.24	0	2.7	60.7			
Main Door Jambs	2	4.26	0.15	0	1.28			
Toilet Doors Jambs	3	4.26	0.15	0	1.92			
Ventilators Jambs	3	1.8	0.23	0	1.24			
Outside Main toilet block allround	1	18.56	0	2.7	50.11			
Deduct Main Door	2	1.22	0	2.13	-5.2			
Deduct Toilets Doors	3	0.75	0	2.13	-4.79			
Deduct Ventilators	3	0.6	0	0.3	-0.54			
Total					104.72	sqm	113.95	11,933

Plastering with CM (1:5), 20mm thick including cost and conveyance of all materials and all labour charges etc., complete for walls.

Basement Allround	1	18.56	0	0.6	11.14			
Septic Tank Allround	1	9.64	0	0.3	2.89			
Steps	3	1.8	0	0.45	2.43			
Total					16.46	sqm	250.35	4,121

Flooring with Non-skid red or white full body Ceramic floor tiles, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work

Toilets inside	2	2.51	3.11	0	15.61			
Door Thereshold Portion	2	1.22	0.23	0	0.56			
Deduct WCs in Toilets	3	0.6	0.5	0	-0.9			
Total					15.27	sqm	720.65	11,004

Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size 45x75 MM . The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM

Doors for Toilets (1.2x2)	3	6.7	0	0	20.1			
Total					20.1	rmt	506	10,171

Providing and fixing 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame

Doors for Toilets	3	0.75	2.13	0	4.79			
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Total					4.79	sqm	3030	14,514
Painting to New walls with two coats of acrylic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor INTERNAL Make : Asian, Burger, Nerolac								
Inside Toilets allround	2	11.24	0	2.7	60.7			
Inside Urinal portion	3	2.7	0	2.7	21.87			
Inside Urinal partitions allround	1	9.14	2.7	0	24.68			
Main Door Sides	2	4.26	0.15	0	1.28			
Toilet Doors Sides	3	4.26	0.15	0	1.92			
Ventilaters Sides	3	1.8	0.23	0	1.24			
Outside Main toilet block allround	1	18.56	0	2.7	50.11			
Deduct Main Door	2	1.22	0	2.13	-5.2			
Deduct Toilets Doors	3	0.75	0	2.13	-4.79			
Deduct Ventilaters Sides	3	0.6	0	0.3	-0.54			
Slab projection allround	1	19.76	0.3	0	5.93			
Door Soffits	2	1.22	0.15	0	0.37			
Total					157.57	sqm	121.78	19,189
Painting to New walls with two coats of acrylic emulsion paint weather proof waterbased, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for Walls.(APSS No. 911) in Ground Floor EXTERNAL								
Basement front	1	5.71	0.6	0	3.43			
Basement sides	2	3.57	0.6	0	4.28			
Basement backside	1	5.71	0.6	0	3.43			
Total					11.14	sqm	219.04	2,440
Supplying, fitting and placing HYSD bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia. including overlaps and wastage where they are not welded.								
8mm HYSD bars	400	0	0	0	400			
10mm HYSD bars	350	0	0	0	350			
12mm HYSD bars	200	0	0	0	200			
16mm HYSD bars	100	0	0	0	100			

Total					1050	Kgs	48.41	50,831
Supplying and fixing of 75 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)								
SWR/ PVC pipes at Urinals	1	6	0	0	6			
SWR/ PVC pipes at Hand Wash	1	12	0	0	12			
Total					18	rmt	89.1	1,604
Supplying and fixing of 110 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)								
Rain Water Pipes	1	3	0	0	3			
Sanitary Connections	1	12	0	0	12			
Total					15	rmt	169.13	2,537
Supplying and fixing of 90 mm SWR/ PVC pipes (as per ISI standards) 4 Kg/Sq.cm. Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc.complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)								
Rain Water Pipes	1	18	0	0	18			
Sanitary Connections	1	12	0	0	12			
Total					30	rmt	141.49	4,245
Constructing 457.2mm x 457.2mm (1-6 x 1-6) brick in CM (1:6) prop. Masonry inspection chamber upto 914.4mm (3-0) and fitted with light weight 457.2mm x 457.2mm (1-6 x 1-6) frame and cover of 20kg., including cost and conveyance of all materials to site, all labour charges, sales and otehr taxes on all materials etc., complete for finished item of work								
Brick masonry inspection chamber	2	0	0	0	2			
Total					2	Nos	3238	6,476
Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[22.20 mm dia CPVC SDR 13.50].								
Toilet Tap Connections	1	21	0	0	21			
Hand Wash	1	15	0	0	15			
Total					36	rmt	85	3,060

Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[28.60 mm dia CPVC SDR 13.50].

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[COLUMNS First Floor]

For OHSR (4x0.23x0.23x3.00 First Brace upto Bottom Slab)	4	0.23	0.23	3	0.63			
CPVC Pipes for Toilets	1	15	0	0	15			
CPVC Pipes for Hand Wash	1	12	0	0	12			
For OHSR Side Walls (1x2x2.3x0.15x1.18)	2	2.3	0.15	1.18	0.81			
For OHSR Side Walls (1x2x2.00x0.15x1.18)	2	2	0.15	1.18	0.71			
Total					2.15	cum	8790.79	18,900
Total					27	rmt	123	3,321

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[BEAMS First Floor]

Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work[34.90mm ODPipe - SDR 13.5].

Bore to Water Tank	1	6	0	0	6			
Brace Beam for OHSR (4x1.70x0.23x0.30)	4	1.7	0.23	0.3	0.47			
For Water Closet Connections	1	6	0	0	6			
Total					12	rmt	193	2,316
Total					0.47	cum	8132.08	3,822

VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick]								
For OHSR Staircase mid Landing (1x1x1.2x0.60)	1	1	1.2	0.12	0.14			
Total					0.14	cum	8045.27	1,126
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 115mm thick First Floor]								
For OHSR Top Slab (2.3x2.3)	1	2.3	2.3	0.12	0.61			
For OHSR top Slab Projection (0.90x.60)	1	0.9	0.6	0.12	0.06			
Total					0.67	cum	8159.74	5,467
VRCC 1:1.5:3 nominal mix (Cement: fine aggregate: coarse aggregate) corresponding to table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, using a minimum quantity of 400 Kgs of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, centering, shuttering etc., complete but excluding cost of steel and its fabrication charges for finished item of work.[RCC SLABS 200mm thick First Floor]								
Supplying and fixing 580 mm x 440 mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with P or S trap Hindware / Parryware / Neycer with brick masonry seat, CC squatting plate and fixing 12.70mm dia NP Push cock 1st quality , P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm allround well above the joint to stop leakage at the joint etc., 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges etc., complete for finished item of work.								
Orrisa Pan WCs	1	1	0	0	1			
For OHSR(2.30x2.30)	1	2.3	2.3	0.2	1.06			
Total					1.06	cum	6984.08	7,403
Total					1	Nos	1677	1,677
Supplying and fixing of European Water Closet of 1st quality confirming to IS: 2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with S trap lying and fixing best Indian make plastic seal and lid for European water closets with rubb, 10 Litres capacity Single Flush white PVC low level flushing system parryware, slimline with internal components and short bend including cost and conveyance of all materials to site, all labour charges, sales and other taxes on all materials etc., complete for finished item of work for all floors.								

EWC for Toilet	2	1	0	0	2			
Total					2	Nos	2469	4,938
Supply and fixing of white glazed flat back bowl urinals of size 590 x 375 x 390 mm with internal rim flushing mm fixed with screws complete inidan make (Parry/Neycer/Hindware/CERA) conforming to IS 2556 -1995 as approved be Engineer - in - charge 12.7 mm PVC connection with brass plumber union nuts CM Coated. including 12.70 mm push cock 1st qulaity of approved make including supply & fixing 31.75 m dia PVC flexible waser pipe of 914.40 mm lenght of 1st including cost and conveyance of all materials to site labour charges etc., complete for finished item of work for all floors								
Flat back bowl urinals	2	0	0	0	2			
Total					2	Nos	2647	5,294
Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Esso or equivalent complete with standard CI brackets including wooden block ,1 No.12.70mm PVC connection with brass union nuts CP coated , 1 No.12.70mm NP bib tap 300 gms Seiko or equivalent including cost and conveyance of all materials to site, labour charges etc. complete for finished item of work								
Flat back bowl urinals	4	0	0	0	4			
Total					4	Nos	1894	7,576
Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors for 400 Grams								
NP bib taps of size 12.70mm for Toilet	3	0	0	0	3			
NP bib taps of size 12.70mm for Washing Cistern	4	0	0	0	4			
Total					7	Nos	351.76	2,462
Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[20mm PPR Ball valve]								
Water Supply Line	10	0	0	0	10			
Total					10	Nos	207	2,070
Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work[40 mm PPR Ball valve]								
Water Supply Line	10	0	0	0	10			
Total					10	Nos	445	4,450
Supplying & Transportation of 0.5H.P single phase ISI Mono block CI body motor pumpset(25x25mm) Make:Kirlosker/Cropmton/Texmo/KSB/Lubi. As per (ELEC-5.4.11)								
Pumping Motor	1	1	0	0	1			
Total					1	Nos	5000	5,000
Supply and Run of 2 of 10 sq. mm WPSC (Weather Proof Single Core) Aluminium cable along with No.10 SWG G.I. bearer wire through PVC cleats with all accessories including labour charges etc., complete for service mains								
Motor Connections	1	50	0	0	50			

Total					50	mtr	75	3,750
Supply and fixing of 25mm dia 2.2mm thick P.V.C. pipe (ISI Mark) concealed in Roof Slabs with all required accessories including masonry work and labour charges etc., complete.								
In Roof Slab	1	20	0	0	20			
Total					20	mtr	66.86	1,337
Supply and fixing of 25mm dia 1.8mm thick P.V.C. pipe (ISI Mark) concealed in wall with all required accessories including masonry work and labour charges etc., complete.								
In Walls	1	30	0	0	30			
Total					30	mtr	71.44	2,143
Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS / HFFR / ZHFR P.V.C. insulated 1100V grade as per IS : 694 / 1990 specification flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete for Light, Fan, Exhaust Fan etc., complete.								
Light Points	10	1	0	0	10			
Total					10	Nos	611.17	6,112
Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) FRLS. P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete.								
Main Board to Switch Board	1	30	0	0	30			
Total					30	mtr	64.93	1,948
Supply and fixing of 6A/10A modular 3 pin socket with 6A modular switch with 3 moular metal box with cover frame on a common board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.switches								
6A 3 pin Sockets	2	0	0	0	2			
Total					2	Nos	284.35	569
Supply and fixing SPN Distribution board with IP-42 protection (Metal Door) suitable for single phase ELCB / RCCB / DP Isolator as incomer and 10kA SP MCBs as outing going including internal connection and labour charges for surface/ flush mounting etc., complete.								
Distribution Board	2	1	0	0	2			
Total					2	Nos	4107.07	8,214
Supply, Transportaton, and fixing of 20W, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., completes including all labour charges and conveyance of all materials etc complete with with flexible wire and connections.								
Tube Light Set	3	1	0	0	3			
Total					3	Nos	867.5	2,603
Supply and Fixing of batten holder/angle holder on existing block with 7.0W LED bulb and all labour charges etc., complete. In lieu of ceiling rose.								
Holders with Bulb	4	1	0	0	4			
Total					4	Nos	209.75	839

Providing independent earthing by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 40mm GI B Class Pipe of 2.5 Mtrs length with necessary accessories duly providing staggered holes including filling with equal proportion of Salt and Charcoal in layers and all labour charges etc., complete.								
Earthing	1	1	0	0	1			
Total					1	Nos	4547.63	4,548
Provision for SEIGNIORAGE CHARGES @ 1.00%								
Total					1	Perce ntage	5080.92	5,081
Provision for PS Charges @ 3.00%								
Total					1	Perce ntage	17259.69	17,260
Provision for Quality Control Charges @ 0.50%								
Total					1	Perce ntage	2876.62	2,877
Provision for NAC Charges @ 0.1%								
Total					1	Perce ntage	508.09	508
Provision for GST @ 12.00%								
Total					1	Perce ntage	61641.75	61,642

Signature of FE/AE/AEE

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Signature of Deputy Executive Engineer

GBV Ramesh