

Project name: Design of Accessible Public Toilet and Help Desk

Bill of Quantity (BoQ)

Sn	Description of Works	Quantity	Unit	Unit Rate		Amount	Remarks
				In Figure	In Word		
1	SITE CLEARANCE						
1.1	Clearing and grubbing the site for construction by removing 150mm thick top soil including bushes, small trees, leveling of undulated ground, shorting and stacking/storing selected top soil for reuse in landscaping works, disposing unsuitable materials from site, etc., all complete as per drawings, specifications and instructions of the Engineer.	138.02	Sqm				
2	EARTHWORK						
2.1	Earthwork excavation in foundation and trenches in all type of soil excluding rock in both dry and wet condition including shoring and strutting when ever necessary. Also pumping out water as when necessary from the trenches etc. having lead of 30 m, all complete as per drawing, specification and instructions of Engineer.	51.00	Cum				
2.2	Earthwork in filling in foundation, under floors and other structures in layers not exceeding 15 cm.including adequate watering, ramming and consolidation (having of compaction more than 95% relative dry density) with excavated soil obtained from the site, all complete, as per drawing, specificaiton and instruction of Engineer.	15.30	Cum				
2.3	Earthwork in filling in foundation, under floors and other structures in layers not exceeding 15 cm.including adequate watering, ramming and consolidation with transported soil.	12.06	Cum				
3	CONCRETE WORK						
	PCC Works:						
3.1	Providing and laying machine mixed / machine vibrated Plain Cement Concrete (PCC) grade M15/20 in nominal mix on volumetric proportion of 1:2:4 (1 cement: 2 coarse sand : 4 coarse graded aggregate 20 mm down) on floor all complete, as per drawing, specification and instruction of Engineer.	14.89	Cum				
0	R.C.C. Works :						
3.2	Providing and laying machine mixed / machine vibrated Plain Cement Concrete (PCC) of grade M20/20 / in nominal mix on volumetric proportion of 1:1.5:3 (1 cement: 1.5 coarse sand :3 coarse graded aggregate 20 mm down) for RCC works, on Basement Ramp, Shear Walls, Columns, Beams, Slabs, Staircase, etc including compaction, levelling, curing, testing etc, all complete, as per drawing, specification and instruction of Engineer.	17.77	Cum				

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0	Reinforcement Work:						
3.3	Providing and fixing in position Fe500 steel reinforcement in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire and tying the reinforcement of all sizes of bars at each junctions including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing of cement cover blocks made of cement mortar (1:1) as to keep the bars in intended position at all levels with haulage 30m,all complete, as per drawing, specification and instruction of Engineer.	1.83	Mt				
	Form Work:						
3.4	Providing, fabricating, erecting, centering and shuttering of plywood formwork in slabs, beams, shear walls, stairs etc, in perfect line and level including properly nailing, bracing, proping,de-shuttering at all levels and heights, all complete as per drawing, specification and instruction of Engineer.	102.73	Sqm				
4	MASONRY WORKS						
	Flat Brick Soling:						
4.1	Providing and laying one layer of approved first class chimney made Flat Brick Soling in line and level including filling the joints with sand, all complete as per drawing, specification and instruction of Engineer.	195.39	Sqm				
	Brick Work:						
4.2	Brick work in Cement Sand mortar in 1:6 ratio at all depth below plinth level with approved first class chimney made bricks in perfect line and level, finishing including wetting the bricks, packing the joints, scaffolding and curing, all complete as per drawing, specification and instruction of Engineer..	56.17	Cum				
5	DOORS AND WINDOWS						
5.1	Supplying, Fabrication and installation of natural anodised Aluminium both side casement door with section 101mmx45mmx1.5mm including 5mm thick glass and laminated door), all complete.	20.82	Sqm				
5.2	Supplying, Fabrication and installation of Aluminium Sliding window (Series 78x30x1.1mm including 5mm thick glass and with flymesh shutter without ventilator), all complete.	11.52	Sqm				

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6	FLOORING WORKS						
	Ceramic Tile Work:						
6.1	Providing and laying approved brand and size of 12mm thick non-slippery non glazed Tile on floor in 1:3 cement sand mortar base over required thickness of cement screeding works including filling the joints with non-shrink tile grout/white cement, all complete, as per drawing, specification and instruction of Engineer.	95.02	Sqm				
6.2	Providing and laying approved brand and size of 40mm thick 400mmX400mm tactile tiles in yellow colour with robust ridges and dots over required thickness of cement screeding works including filling the joints with non-shrink tile grout, all complete, as per drawing, specification and instruction of Engineer.	44.80	Sqm				
7	PLASTER WORK						
7.1	Providing and applying at all levels 12.5 mm thick Cement Plaster on Wall in ratio 1:4 (1 cement : 4 sand) including necessary single or multi-stage scaffolding as required, including chipping and hacking of necessary surfaces, wetting the surfaces, cleaning and curing as per drawing, specification and instruction of Engineer.	442.68	Sqm				
8	PAINTING WORK						
8.1	Providing and applying two coats of approved coloured Exterior Paint (Weather Coat) with one coat of primer including cleaning the surface with scaffolding all complete as per drawing, specification and instruction of Engineer.	177.25	Sqm				
8.2	Providing and applying on all surfaces at all levels and locations, three or more (1 coat primer plus 2 or more coat paint finishing) coats of approved Plastic Emulsion Paint as per the manufacturer's specifications of approved colours shades and brand equivalent to (asian paint/ Jenson & Nicolson or superior) including surface preparation, curing, touchups and required of single or multi-stage scaffolding, all complete as per drawing, specification and instruction of Engineer.	265.43	Sqm				
9	ROOFING/METAL WORK :						
9.1	Providing and fixing approved brand and 0.41mm thick (26 gauge, 65 kg average weight) coloured CGI Sheet including necessary J-hook, washer all material, labour as per drawings, specifications and instructions of site engineers all complete.	193.20	Sqm				
9.2	Providing and fixing approved coloured G. I. Plain Sheet on Ridge of roof including necessary nut bolts , washer etc as per drawings, specifications and instructions of engineers all complete.	28.05	Rm				
10	Providing, fabrication and fixing of metallic work with different MS Square pipe including one coat of primer and two coats of enamel paint all complete.	2692.74	Kg				
11	Providing 6mm cement fiber board for false ceiling work, all complete.	100.66	Sqm				
12	Providing 90cm height stainless steel railing with 50mm handrail pipe for verandah with 3 lines of 20mm stainless steel pipe below and 40mm vertical post at 8 feet interval, all complete.	29.97	Rm				
13	Providing and fabricating steel stand for water tank, all complete.	1.00	LS				
14	Providing SS grab bar on wall and door bell in each of the 4 toilets, all complete.	1.00	LS				

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SANITARY WORKS							
15	Providing and fixing White glazed porcelain clay commode with jetlet flushing and seat cover complete set.(Hindware, Paryware, Somany, cera or eqv.)	4.00	set				
16	Providing and fixing White glazed flat back urinal, all complete	4.00	set				
17	Providing and fixing 50x40cm Porcelain clay white glaze Wash basin (NS or IS Standard) with complete mixture set, all complete.	3.00	set				
18	Fittings, Valves and accessories: providing and fixing all complete as per specification and instruction of engineer all complete.						
a	15mm dia Angle cock with wall flange jaquar, nova or equivalent.	4.00	no				
b	15 mm CP commode water spray with 1.2mt. Long flexible pipe jaquar, nova or equivalent.	4.00	no				
d	Looking Mirror ordinary all complete set.	1.00	no				
e	Steel soap case all complete set.	3.00	no				
f	Towel rod, all complete	4.00	no				
g	Toilet paper holder, all complete.	4.00	no				
h	Floor Drain set: steel floor trap.	3.00	no				
Pipe line inside and outside building							
19	Supplying and fixing PVC:- Poly Vinyl Chloride pipe(hot and cold). or equivalent with PVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials,installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, all complete set as per specification and instruction. (Flow guard (Marvel) or ISI standard) .NSF MARK						
19.1	25 mm dia PVC Pipe 10 kg/cm2. including valves and accessories.	1.00	LS				
19.2	Soil Waste pipe (from toilets to the duct then to the nearest manhole): Supplying and fixing including all necessary bend, tee, y branch, socket etc as per requirement, specification and instruction all complete. (Marvel, Mangalam or equivalent)	1.00	LS				
20	Providing 1000l HDPE Polythene Thermocol water tank.	1.00	LS				
21	Electrification works all complete for Ground Floor including wiring, fitting, installation, testing as specified by the engineer.	1.00	Job				
Total Civil Works							

Total Amount NRs.			
13%VAT			
Grand Total Amount NRs.			
In Words:			
Signature :		Date:	
Name :		Address:	
Firm's Name and Seal :		Mobile no:	
		Email:	