

**Name of work : S.R. to District Judge Bunglow at Bharuch, Dist. Bharuch  
(Renovation of Security Cabin and Providing Toilet Block).**

**BILL OF QUANTITIES**

**Memorandum showing item of works to be carried out.**

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
1	2	3	4	5	6
1	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work.	7.35	Cum	1030.81	7576.45
2	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	8.25	Cum	536.09	4422.74
3	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	2.00	Each	182.94	365.88
4	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead (A) Loose or soft soil).	34.41	Cum	117.08	4028.72
5	Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff upto 50 mt lead (B) Dense or hard soil.	58.57	Cum	149.67	8766.17
6	Excavation for foundation for depth from 1.5 to 3.0 mt. including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 mt lead (B) Dense or hard soil.	3.13	Cum	162.38	508.25
7	Filling in plinth with sand under floors including watering, ramming, consolidation and dressing etc. complete.	2.50	Cum	460.19	1150.48
8	Filling available excavated earth (excluding rock) in trenches plinth side of foundation etc. in layer not excluding 20 cm in depth consolidation each deposited layer by ramming and watering etc. complete.	19.22	Cum	130.39	2506.10
9	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm thickness including watering, ramming and consolidation etc. complete.	3.13	Cum	289.06	904.76
10	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth.	1.97	Cum	2965.76	5842.55

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
1	2	3	4	5	6
11	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete.	3.00	Cum	3746.12	11238.36
12	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	0.69	Cum	3835.96	2646.81
13	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (B) Slabs, landing, shelves, Balconis , Lintels, Beams, Girders and Cantilever upto floor two level.	2.57	Cum	3835.96	9858.42
14	Providing Fe-500D T.M.T. Bar reinforcement for RCC work including bending, binding and placing in position upto floor two level for Ground Floor.	852.00	Kg.	76.21	64930.92
15	Providing and fixing FRP frame size 100 mm x 50 mm and 28 mm thick FRP shutter with depressed panel SHUTTER having extra reinforcement on sides and edges and in GEL coat finish. The core of shutter is to be filled up with injected fibre extinguishing grade polyurethane foam done in situ along with embedded wooden pieces for stiffening and also for taking hinges and fixtures. The whole FRP frame and shutter to be waterproof, weatherproof, termite proof and resistance to alkali / mild acid resistance including S.S. hinges with necessary screws and alluminium fixtures and fastenings.	7.14	Sqm	2377.76	16977.21
16	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm @ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window.	1.44	Sqm	1301.82	1874.62

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
1	2	3	4	5	6
17	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent ronze colour tinted float glass with powder coated aluminum fittings and fixtures and ransparent silicon sealant glass fixing to rame as per details etc complete for window.lass as details etc complete for.window.	2.18	Sqm	1713.70	3735.87
18	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional.	13.90	Cum	4051.78	56319.74
19	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand).	55.00	Sqm	187.71	10324.05
20	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	32.76	Sqm	329.29	10787.54
21	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement :3-coarse sand ) finishing with flush pointing in white cement.	16.70	Sqm	1073.13	17921.27
22	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry.	1.03	Sqm	1141.45	1175.69
23	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	3.39	Sqm	915.27	3102.77
24	Providing and layingCeramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry.	29.00	Sqm	995.81	28878.49
25	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	95.00	Rmt	442.04	41993.80

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
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26	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	95.00	Rmt	249.72	23723.40
27	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	60.00	Rmt	166.86	10011.60
28	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately) (A) vitreous China Pattern (i) in white colour.	1.00	No.	1303.71	1303.71
29	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same but excluding fittings. (A) Vitreous China (ii) Flat Back washbasin 550 mm x 400mm size (i) In white colour.	1.00	No.	1382.37	1382.37
30	Providing and fixing Urinal or approved quality including coneccting the Urinal with waste pipe , tap etc. complete. (A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	1.00	No.	1036.27	1036.27
31	Providing and fixing screw down bib taps of following size (B) Brass chromium plated screw down bib tap 15 mm dia.	4.00	No.	186.83	747.32
32	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete. (ii) 25 mm. dia.	1.00	No.	420.63	420.63
33	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	2.00	No.	558.36	1116.72
34	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type.	4.00	No.	1292.19	5168.76
35	Providing and fixing in position cowl vent to pipes (ii) 100mm dia.	5.00	No.	501.87	2509.35

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1	2	3	4	5	6
36	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	75.00	Rmt	831.22	62341.50
37	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	113.53	Sqm	10.99	1247.69
38	Distempeing (Two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth.	124.73	Sqm	71.90	8968.09
39	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	120.89	Sqm	78.90	9538.22
40	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	120.89	Sqm	40.59	4906.93
41	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	10.00	No.	3660.76	36607.60
42	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	3.00	No.	958.17	2874.51

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
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43	Providing Erecting and fixing double coated Syntex or equivalent PVC (ISI) mark water tank of reqd capacity each with al necessary fittings & connection etc. comp on tarrace.	2000.00	Litre	3.95	7900.00
44	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	4.20	Sqm	4641.01	19492.24
45	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	43.71	Sqm	685.42	29959.71
46	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M200 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	11.75	Rmt	384.96	4523.28
47	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1-Cement : 4 -coarse sand ) in foundation and plinth (B) Conventional.	15.56	Rmt	599.84	9333.51
			<b>TOTAL Rs.</b>		<b>562951.06</b>

**i.e. Rs. Five lakh sixty two thousand nine hundred fifty one and paise six only.**

I/We am/are willing to carry out the work @ \_\_\_\_\_ % above/below percent  
(Should be written in figures and words) of the estimated rate mentioned above. Amount of  
my /our tender works out as under.

Estimated amount put to tender	Estimated amount put to tender
Deduct.....% below	Add.....% Above
Net Rs. _____	Total Rs. _____
In words _____	In words _____

**Note :-**

1. The Contractor shall exhibit a board with detailed specification and details of work as directed by the
2. The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
3. GST and Income tax TDS will be deducted at a source while making payments of bills.
4. In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt.

**Above all items of "Schedule-B" with Item Description, Unit, Rate & Amount have verified**

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
1	2	3	4	5	6

Deputy Executive Engineer  
City (R & B) Sub Division  
Bharuch

Sr. Divisional Account Officer  
Bharuch (R & B) Division  
Bharuch

Executive Engineer Bharuch  
(R & B) Division,  
Bharuch