

**Name of work : C.R. to Various Residential Building Under City (R&B) Sub Division,
Bharuch (Under Section-1), Dist. Bharuch.**

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	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.	16.00	No.	182.94	2927.04
2	Dismantalling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	102.00	Sqm	46.77	4770.54
3	Dismantling sanittary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	24.00	Each	394.51	9468.24
4	Removing and Scrapping old plaster laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	123.00	Sqm	18.94	2329.62
5	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.	11.00	Cum	189.30	2082.30
6	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.	7.00	Cum	4051.78	28362.46
7	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 (ii) Cement mortar 1:4 (1-cement :4-sand) including finishing with a floating coat of neat cement slurry (upto 10 ton).	39.00	Sqm	215.24	8394.36
8	Providing 10mm. thick cement plaster in single coat fair side of brick/ concrete wall for interior plastering and finished even and smooth in cement mortar 1:3(1 cement : 3 fine sand) with finishing with a floating coat of neat cement slurry. For All floors.	41.00	Sqm	213.18	8740.38
9	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 CM. 1:1 (1-cement: 1-sand) etc. complete.	23.28	Sqm	329.29	7665.87
10	Providing and fixing wooden flush door shutter with alluminium framing using 70 mm x 40 mm alluminium box section in shutter outer framing, with 35 mm thick waterproof flush door shutter with 1 mm thk. Laminated sheet on both side of the shutter with S.S. mortice lock, S.S. heavy duty hinges, S.S. door closer and S.S. stopper with necessary fixtures and fastenings including polishing work etc. complete.	19.00	Sqm	4670.24	88734.56

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
1	2	3	4	5	6
11	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening and also taking hinges and fixtures. The whole FRP frame and shutter is to be water proof weather proof termite proof and resistance to mild acid/alkali. Rates are to be inclusive of S.S. hinges with necessary screws and alluminium fixtures and fastenings and fastener sleeve.	20.00	Sqm	2377.76	47555.20
12	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finished with flush pointing & cleaning the surface etc. complete for light shade.	35.00	Sqm	1415.77	49551.95
13	Providing and laying Ceramic tiles (plain or designed) of approved size 6 mm. thick in skirting risers of steps and dado on 10 mm. Thick cement plaster 1:3 (1 cement : 3 coarse sand) finishing with flush pointing in white cement slurry (B) Ceramic tiles 6 mm to 8 mm.	23.00	Sqm	995.81	22903.63
14	Providing and laying Ceramic 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.	45.00	Sqm	957.63	43093.35
15	Providing and fixing equivalent make standard superior colour CARAT 2036 EWC WALL HUNG pan including fixing seat cover (soft close) chair brakets, jet spray of best quality approved and making all required labour and material etc.Complete.	12.00	Each	5908.50	70902.00
16	Providing and fixing Wash Basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same including fixing C.P. Brass waste 32 mm dia, M.I. Fisher union 32 mm dia C.P. Bottle trap, Pillar cock L&K 15 mm dia stop cock L&K 150 mm dia and fixing supply pipe etc. complete as directed (A) Vitreous china (ii) flat back wash basin 550 mm x 400 mm size in colour.	12.00	No.	2400.77	28809.24
17	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 fitting and clamps including making good the wall, ceiling and [A] 15 mm.	50.00	Rmt	166.86	8343.00
18	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 fitting and clamps including making good the wall, ceiling and [C] 25 mm.	58.00	Rmt	249.72	14483.76

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19	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 fitting and clamps including making good the wall, ceiling and [E] 40 mm.	48.00	Rmt	442.04	21217.92
20	Providing and fixing PVC SWR Nahni Trap IS 14735 for drain with jali of the following nominal diameter of self cleansing design with C.I. Scream down or hinged grating including the cost of cutting and making good the walls. [B] 75 mm.	16.00	No.	547.22	8755.52
21	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and flo (C) 32 mm.	40.00	Mt.	118.99	4759.60
22	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and flo (G) 110 mm.	10.00	Rmt	336.24	3362.40
23	Providing and laying Ceramic 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.	12.00	Sqm	957.63	11491.56
24	Providing and fixing Gun metal check or non-return fullway wheel valve. (C) 25mm dia.	18.00	No.	420.63	7571.34
25	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	8.00	No.	663.43	5307.44
26	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm. dia.	32.00	No.	186.83	5978.56
27	Applying two coats of acrylic lappy (putty) and 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.	123.00	Sqm	40.59	4992.57
28	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	62.00	Sqm	78.90	4891.80

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1	2	3	4	5	6
29	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² in CM. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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.	3.00	Each	3660.76	10982.28
30	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.	5.00	Each	1292.19	6460.95
31	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood (i) Fully Panelled.	66.00	Sqm	3656.67	241340.22
32	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood (ii) Fully Glazed.	58.00	Sqm	2959.38	171644.04
33	Distempering (two coats) with oil bound washable distemper of approved brand & manufacture & of required shade on wall surfaces to give an even shade over & including a primary coat with alkali resistance primer of approved brand after throughly brushing the surface free from mortar dropping & other foreign matter & also including preparing the surface even & smooth.	113.00	Sqm	71.90	8124.70
34	Painting two coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	15.00	Sqm	111.16	1667.40
35	Providing and fixing C.P. brass waste for wash basin or sink (B) 40 mm dia.	9.00	No.	89.83	808.47
36	Providing and fixing M.I. fisher union for wash basin or sink (A) 32 mm dia.	10.00	No.	78.75	787.50
37	Providing and fixing Pillar tap capstan head, screw down high pressure with screws, shanks and backnuts (i) 15 mm dia.	28.00	No.	308.73	8644.44
38	Providing and fixing brass screw down stop cock (A) 15 mm dia.	10.00	No.	205.83	2058.30
39	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete (ii) 25mm dia.	10.00	No.	263.77	2637.70

It. No.	Item of Work	Qty.	Unit	Rate in Figures	Total Amount
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40	Providing and fixing cupboard shutters using 19 mm thick ply wood and fixing on 0.8 mm thick decorative lamination sheet 20mm x 6 mm T.wood facing batten and T.wood frame having a size 7 cm x 4 cm using necessary S.S. fixture & fastening, nsils, Fevicol, ball catch, magnet & innerside of cupboard oil painting two coats with primer coat etc. complete as per given detail drawing.	16.00	Sqm	3129.99	50079.84
41	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete.	15.00	Sqm	114.53	1717.95
42	Providing erecting and fixing double coated Syntex or equivalent PVC. (ISI) mark water tank of reqd capacity each with all necessary fittings & connection etc. comp on terrace.	6000.00	Lit.	3.95	23700.00
43	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.	12.00	Sqm	685.42	8225.04
44	Labour charges - Mazdoor (Male).	100.00	Each	497.93	49793.00
45	Labour charges - Carpenter 1st Class.	100.00	Each	732.25	73225.00
46	Labour charges - Plumber (Fitter).	100.00	Each	703.97	70397.00
				TOTAL Rs.	1259740.04

i.e. Rs. Twelve lakh fifty nine thousand seven hundred forty and paise four 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 :-

- The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
- The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- GST and Income tax TDS will be deducted at a source while making payments of bills.
- In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C, Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

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1	2	3	4	5	6

Above all items of "Schedule-B" with Item Description, Unit, Rate & Amount have verified by me and found order.

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