

15 FC Year 2025-26

Name of Work : 15 FC Year 2025-26 Construction of Toliet Block at Village Malkhet -
Nogama Dungri Primary School Ta Umargam Dist Valsad

BILL OF QUANTITIES

Item No.	Item of work	Quantity	Unit	Rate In figures	Amount
1	2	3	4	5	6
1	Excavation for foundation up to 1.5 M depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 meter lead.(B) Dence or hard soil.	7.20	Cu.Mt.	149.830	1078.78
2	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Graded stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (upto 10 ton)	0.60	Cu.Mt.	3005.760	1803.46
3	Providing and laying cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete (upto 10 ton)	0.72	Cu.Mt.	4004.010	2882.89
4	Providing and laying cement concrete M.200 with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(i) Having cross-sectional area 0.05 to 0.08 Sq.M	1.53	Cu.Mt.	4590.140	7022.91
5	Providing and laying cement concrete M.200 with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in(A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	2.90	Cu.Mt.	4491.320	13024.83
6	Brick work using common burnt clay building brick having crushing strength not less then 35Kg/Sq.Cm. In foundation and plinth in cement mortar 1:6 (1 Cement : 6 fine sand) (B) Conventional	1.66	Cu.Mt.	4021.020	6674.89
7	Filling available excavated earth (excluding rock in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering).	6.13	Cu.Mt.	130.390	799.29

8	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete	4.09	Cu.Mt.	289.060	1182.26
9	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6- crushed stone aggregates 20 mm nominal size) and curing complete including cost of formwork in Plinth Slab	1.74	Cu.mt.	3005.760	5230.02
10	Brick work using comon burnt clay building brick having crushing strength not less then 35Kg/Sq.Cm. In foundation and plinth in cement mortar 1:6 (1 Cement : 6 fine sand) in super structure above plinth level up to floor two level (B) Conventional	7.80	Cu.Mt.	4295.990	33508.72
11	Providing and laying ordinary cement concrete M200 for R.C.C. Lintel including finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	0.46	Cu.Mt.	4491.320	2066.01
12	Providing and laying cement concrete M200 for reinforced concrete CHAJJAS not excceding 10cm thickness up to floor two level including finishing the exposed surface with cement mortar 1:3 (1 cement : 3 fine sand to give a smooth and even surface centering and formwork and curing compelete excluding cost of reinforcement	0.62	Cu.Mt.	4491.320	2784.62
13	Providing and fixing 35mm thick shutters doors of pine wood ply laminate / FRP DOOR with FRP Frame including Black Granite frames in two parts including Edge polish and molding and fixtures and fastening etc. complete as directed by Engineer incharged	10.50	Sq.Mt.	3838.000	40299.00
14	Providing and fixing Jindal or similar brand two track sliding window of 18mm x 38mm section with one way glass of 6mm thickness including Granite frame inclusive of edge polish and molding, sealant and transperent silicon between the glass and the window frame and also including fixtures and fastening etc complete as directed by Engineer incharged	1.08	Sq.Mt.	3787.500	4090.50
15	Providing 15mm thick cement plaster in single coat on brick/concrete wall for interior plastering upto floor two level finished even and smooth in (i) Cement mortar 1:3 (1 cement : 3 sand) with one smooth cement neat finished last layer.(Smooth finished)	26.10	Sq.Mt.	220.010	5742.26

16	20mm thick sand faced cement plaster on wall up to height 10meters 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	59.17	Sq.Mt.	300.660	17790.05
17	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in n flooring treads of steps and landing on 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	17.00	Sqm	1073.130	18243.21
18	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	28.83	Sq.Mt.	1141.450	32908.00
19	Providing and laying ordinary cement concrete M200 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement of R.C.C. work in (iii) Slab having more than 10cm and up to 13cm thickness	2.17	Cu.Mt.	6888.150	14947.29
20	Providing T.M.T. Fe-500 bar reinforcement for R.C.C. work including bending, binding and placing in position complete up to floor two level	800.74	Kg	76.210	61024.40
21	Providing and fixing M.S. Grills of required pattern to wooden frames of window etc. with M.S. Plate at required spacing & frame around, square or round bar with rounded headed bolts & nuts or by screws, coated with necessary red oxide and three coats of oil paint of shaded approved by engineer in charged (A) Plain grill	10.80	Kg	104.040	1123.63
22	Wall painting with plastic emulsion paint of approved brand and manufacture after application of two coats of Birla or Equivalent brand putty, and a coat of primer of approved brand and after rubbing the surface and making the surface levelled by application of lappy, 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.	26.10	Sq.Mt.	323.200	8435.52

23	Finishing wall with Asian Paint Apex or Equivalent (two coats) after application of Exterior Wall primer of approved brand on wall surface to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	59.17	Sq.Mt.	252.500	14940.43
24	Providing And laying broken china mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar out upto surface using white cement including rounding off junctions and extending them upto 15cm along the wall in smooth Curves, clearing with water or oxalic acid etc. over the brickbat water proofing carried out as directed by Engineer In-charged.	17.35	Sq.Mt.	747.290	12965.48
25	Providing and fixing PVC Rain water spout of 50mm dia and 60cm length	3.00	No.	159.370	478.11
26	Constructing septic tank of 2.00 mt. x 1.50 mt. x 1.20 mt. size with necessary out side wall and two partition walls of brick masonry making two parts of the tank, plastering tha walls in cement mortar 1:4 making all connection of pipe line and covering of the top with R.C.C. slab of cement concrete 1:2:4 with necessary reinforcement etc. complete and providing necessary earth work on it as directed.	1.00	No.	20200.000	20200.00
27	Providing sock pit of 5.0Cu.M. volume including excavating sand filling brick bats with dry masonry work at top for 5cm height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed	1.00	No.	15150.000	15150.00
28	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	8.00	Rmt	72.650	581.20

29	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	8.00	Rmt	91.840	734.72
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 (C) 150mm x 100mm size - P type	4.00	No.	1246.920	4987.68
31	Providing and fixing cast iron (spun) Nahni trap of the following nominal diameter of self cleaning design with C.I. Screwed down of hinged grating including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet	4.00	No.	571.080	2284.32
32	Providing and fixing wash down water closet (indian type or baby European type W.C. Pan) with intiegral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) including fixing plastic seat & cover for wash down water closer with C.P. brass hinges & rubber buffer including jet wash facilities (A) vitreous china pattern (i) white color	4.00	No.	4248.450	16993.80
33	Providing and fixing wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same including fixing C.P brass waste and M.I fisher union for washbasin or sink including fixing chromium plated bottle trap with necessary couplings. (A) 32 mm. dia. (A) Vitreous China , (ii) Flat Back washbasin 550 mm. x 400 mm. size. (i) In white colour,	3.00	No.	2384.710	7154.13

34	Providing, laying and jointing in true line and level 50 diameter 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 110 mm diameter x 149 mm length x 145 mm height 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.	8.00	Rmt	195.670	1565.36
35	Providing, laying and jointing in true line and level 110 diameter 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 110 mm diameter x 149 mm length x 145 mm height 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.	8.00	Rmt	836.730	6693.84
36	Providing and fixing in position cowel vent to pipes (1) 75mm	4.00	No.	501.870	2007.48
37	Providing and fixing gun metal check or non return full way wheel valve (C) 25mm dia	4.00	No.	420.630	1682.52
38	Providing and fixing gun metal check or non return full way wheel valve (A) 40mm dia	4.00	No.	663.430	2653.72
39	Providing and fixing screw down bib taps of following size (B) Brass Chromium plated screw down bib tap (i) 15mm dia	6.00	No.	186.830	1120.98
40	Providing and fixing ball cock of approved quality as directed (A) Copper metal (i) 25mm dia	4.00	No.	132.890	531.56
41	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating with frame complete.	4.00	No.	2017.190	8068.76

42	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm. , Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.,Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm ,Providing and fixing brass screw down stop tap.(A) 15mm dia.	2.00	No.	3339.730	6679.46
43	Providing, erecting & fixing double coated Syntex or equivalent PVC (ISI) water tank of required capacity each with all necessary fittings & conection etc. completed on tarrace.	500.00	Lit	3.950	1975.00
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					412111.08

I/We am/are willing to carry out the work at...% 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
Deduct.....% below
Net
In words

Estimated amount put to tender
Add.....% Above
Net
In words

Note :- 1

All works shall be carried out as public works department Handbook and other specification of Division or as directed.

Note :- 2

All the columns in schedule should be filled in ink or ballpen and the total of the entries in last column should be struck by the contractor under his signature.

Note :- 3

Rate quated include clearance of site (Prior commencement of work and at its close) in all respects and hold good for work under all conditions,site moisture, weather etc.

Note :- 4

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.

Note :- 5

The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.

Note :- 6

GST and Income tax TDS will be deducted at a source while making payments of bills

Note :- 7

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.

Note :-8

To be continued on additional sheet,if found necessary.

Deputy Executive Engineer
Panchayat (R&B) Sub.Division
Umargam

Executive Engineer
Panchayat (R & B) Division
Valsad