

**Name of Work :-Constructing a Sarkari Mandali Building at Village.Sarsad Tal.
Jhagadia Dist.Bharuch**

BILL OF QUANTITIES

Memorandum showing item of works to be carried out.

It. No.	Description of Item	Qty.	Unit	Rates in Figure	Total Amount
1	2	3	4	5	6
1	Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff within all lead and lift for all sorts of soil.	34.50	Cum	123.12	4247.64
2	Excavation for foundation from 1.5 mt. to 3.0 mt. depth including sorting out and stacking of useful materials and disposing the excavated stuff within all lead and lift for all sorts of soil.	10.10	Cum	136.29	1376.53
3	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 foundation and plinth.	3.40	Cum	3084.89	10488.64
4	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 the cost of formwork (A) Wall caps / coping.	1.95	Cum	3481.28	6788.49
5	Providing & laying controlled cement concrete M 250 with curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in up to floor two level (A) Foundations footing base of columns and mass concrete etc.comp.	9.85	Cum	5022.10	49467.69
6	Providing & laying controlled cement concrete M 250 with curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in up to floor two level (B) COLUMNS (up to plinth level)	1.91	Cum	9538.79	18219.09
7	Providing & laying controlled cement concrete M 200 with curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in up to floor two level (B) COLUMNS (up to plinth level)	5.58	Cum	12495.42	69724.43
8	Providing & laying controlled cement concrete M 250 with curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in up to floor two level (A) BEAMS	8.00	Cum	6407.77	51262.16
9	Providing and Laying controlled cement concrete M200 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work up to floor two level (ii) Beam, lintel.	1.01	Cum	6908.76	6977.85
10	Providing and Laying controlled cement concrete M200 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (ii) Slabs ,sill,shelves,Chajja.	6.90	Cum	6721.69	46379.67
11	Filling availabale 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.	31.40	Cum	136.92	4299.15
12	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm thickness including watering, ramming and consolidation and dressing etc. complete	18.00	Cum	277.14	4988.59
13	Brick work using common burnt clay building brick having crushing strength not less than 35 kg/sq. cm. in foundationand plinth in Cement mortar 1:6 (1 Cement : 6 fine sand) (B) Conventional	3.73	Cum	4214.09	15718.57
14	Brick work using common burnt clay building brick having crushing strength not less than 35 kg/sq. in cm foundation and plinth in Cement mortar 1:6 (1 Cement : 6 fine sand) (B) Conventional Brick work in Super structure above Plinth level up to two floor	38.95	Cum	4502.81	175384.54
15	Half brick masonry in common burnt clay building having crushing strength not less than 35 kg/sq.cm in cement morater 1:4 (1-cement : 4-coarse sand) in foundation and plinth. Extra for half brick masonry in suprestructure above plinth level upto floor t	4.60	Sq.m	662.50	3047.50

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1	2	3	4	5	6
16	Providing ISI Mark T.M.T Bar 415 Fe reinforcement for R.C.C. work including binding, and placing in position complete upto floor two level.	3820.00	Kg.	68.33	261007.23
17	Providing 10 mm 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 1:4 (1 cement : 4 sand)	72.00	Sq.m	125.99	9071.09
18	Providing 15 mm 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 1:4 (1 cement : 4 sand)	238.00	Sq.m	241.70	57524.60
19	Providing 20mm thick sand faced cement plaster (GUTAKA) on walls upto height 10 meter above ground level consisting of 12 mm thick backing coat of C.M. 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of C.M. 1:1 (1 cement : 1 sand) etc complete.	219.94	Sq.m	343.82	75618.89
20	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surface to give an even shade, over and including a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and o	310.00	Sq.m	112.58	34901.26
21	Applying two coats of Birla or Asian acrylic lapy (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 sa	310.00	Sq.m	40.59	12583.49
22	Finishing wall with water proofing cement paint on wall surface (two coats) to give an approved brand and manufactures and of required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered material.	219.94	Sq.m	120.26	26450.14
23	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 co	95.60	Sq.m	1467.72	140314.21
24	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. (upto 10 ton)	12.16	Sq.m	1017.30	12370.40
25	Providing and laying white glazed 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 (upto 10 ton)	18.20	Sq.m	1127.48	20520.19
26	Providing and fixing flush door shutter solid core construction with frame of first class hard wood with cross band and face veneer of plywood face panels, including anodized aluminium but hinges with necessary screws. non decorative type and balck board	7.60	Sq.m	2495.06	18962.46
27	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 0.895 Kg / Rmt, vertical member size 64	10.80	Sq.m	1713.70	18507.93
28	Providing and fixing standard extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm (of Jindal Section no:4605, @ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anod	0.90	Sq.m	1301.81	1171.63

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1	2	3	4	5	6
29	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	4.20	Sq.m	2377.76	9986.60
30	Providing and fixing M.S. grill of required pattern top wooden frames of windows etc. with M.S. flats at required spacing and frame around square or round headed bolts and nuts or by screws including applying a priming coat of red lead paint and two coats	286.20	Kg.	106.23	30403.03
31	Providing and Fixing polished marble stone with necessary moulding around Sill & Jamb of Windows. For windows total width 0.23 + 0.07 = 0.3	12.20	Sq.m	3372.19	41140.72
32	Providing and laying broken china mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement 1:3 to plain or slop and to be tempered to bring mortar crème out upto surface using with cement including rounding of joints	52.16	Sq.m	747.29	38978.59
33	Providing and fixing to wall ceiling and floor 6.0 kgf/cm ² working pressure polythelene pipes of the following outside dia low density pipes of the following outside dia low density complete with special flange compression type complete with special flange	30.00	Rmt.	280.23	8407.04
34	Providing and fixing white or coloured glazed china vitreous china orrisa pattern water closet squatting pan (Indian type W.C. pan) size 580 mm including providing and fixign vitreous china 100 mm size 'P' or 'S' trap including jointing the trap with pan	4.00	Each	1312.85	5251.39
35	Providing and fixing flat back wash basin 550 mm x 400 mm size of first grade, white in colour with single hole for pillar trap with CI or MS brackets painted with including cutting holes and making good the same including providing and fixing CP brass wast	1.00	Each	1484.89	1484.89
36	Providing & fixing 600mm x 450 mm bevelled edge mirror of superior glass mounted on 6 mm thick A.C. sheet or Plywood sheet & fixing to Wooden Plugs with C.P. brass, Screws & washers.	1.00	Each	859.41	859.41
37	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	10.00	Each	420.63	4206.35
38	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap.(i) 15mm dia.	5.00	Each	186.83	934.15
39	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete (i) 20 mm Dia	2.00	Each	254.78	509.57
40	Providing and fixing brass screw down stop tap.(A) 15mm dia.	5.00	Each	205.82	1029.10
41	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connection	2.00	Each	2370.39	4740.78
42	Supplying & fixing PVC water tank of Sintex including delivery at site, supply and fixing of lintel, outlet, air vent overflow, drainage sleeves of the specified size, with necessary neoprene gasket/packing/washers, GI washer & check nuts etc all complete	1000.00	lit.	6.57	6570.00

It. No.	Description of Item	Qty.	Unit	Rates in Figure	Total Amount
1	2	3	4	5	6
43	Providing. & laying(Two level or slopes)&jointing with stiff, mixture of cement mortar in proportion 1:1 Salt glazed stoneware pipes following nominal internal dia.incl. testing of pipes and joints complete with providing and laying c.c. 1:5:10 [1stonewar	40.00	Rmt.	519.37	20774.89
44	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.(B) 150mm x 100mm size P or R type	4.00	Each	1292.19	5168.78
45	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with f	4.00	Each	2932.92	11731.68
46	Providing soak pit of 5.0 Cum volume including excavating &filling brickbats with dry masonry work @ top for 45 cms height including providing vatas in CM 1:3 with finishing curring etc complete	1.00	Each	3372.19	3372.19
47	.Constructing Septic tank and bed Concrete 1:3:6 (1 Cement, 3 Coarse sand , 6 crushed stone aggregate 40mm nominal size) and P.C.C 1:2:4 15cm thick and brick work using common burnt clay building 35kg/cm^2 in cement mortar 1:5 including inside smooth plas	1.00	Each	27061.94	27061.94
48	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	20.00	Each	876.90	17538.04
49	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 screed down or hinged grating including the cost of cutting and making good the walls	10.00	Each	599.64	5996.37
50	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked FR PVC insulated multistrand copper wires, in existing pipe duly erected complete with 6A Modular type switch / bell push & accessories and earth contin	15.00	Pt	363.60	5454.00
51	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked FR PVC insulated multi-strand copper wires, in existing pipe duly erected complete with 6A Modular type switch and hum free EME 5/6 step type electronic fan reg	4.00	Pt	585.80	2343.20
52	Point wiring for Individual Plug with 2-1.5 sq.mm& earthwire of 1.5 sq.mm (green) both are of ISI marked FRPVC insula-ted multistrand copper wires, in existing pipe duly erected comp. with 6A Modular type switch & 6A 5pin Plug erected on PVC / Metallic bo	2.00	Pt	393.90	787.80
53	Point wiring for Individual Plug with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked FR PVC insulated multistrand copper wires, in existing pipe duly erected complete with 6A Modular type switch & 6A 5pin Plug erected on PVC / Metal	2.00	Rmt.	525.20	1050.40
54	Point wiring for looped PLUG with tissino type single pole ISI marked 6 A. Switch and 6A Socket erected with necessary connections erected on polished wooden block/ Metal / PVC Box covered with 3 mm thick laminated sheet for open / concealed wiring	2.00	Rmt.	50.50	101.00
55	Supplying & erecting approved make 1 x 36/40 watt sleek batten type fluorescent fitting made of anodised Aluminium reflector. Complete with HF Electronic ballast assembly housed in engineering plastic covers with tube holders erected with necessary	3.00	Rmt.	606.00	1818.00
56	Approved make Ceiling Fan with Condenser 230 volt A. C. 50 Cys.1200 mm sweep complete having 3 blades alluminium body and blade sets having ornamental design shanks , canopy & 30 cms. down rod erected with 24/0.2 flae 3 core flexible wire with earthing +	3.00	Rmt.	1949.30	5847.90
57	Decorative Call bell ting tong type, 250 Volts. Comp erected on polished wooden block or in M.S.box with 3mm .thick laminated sheet.	2.00	No	151.50	303.00
58	Providing Fuse Unit of kit kat pattern porcellin cut out 10A or 16A.erected on polished wooden block.	2.00	No	121.20	242.40
59	Approved make C.F.L.lamp Non-Retrofit 13 / 15 / 18 Watt. - Cat. II	2.00	No	141.40	282.80
60	Approved make C.F.L.lamp Non-Retrofit 35 / 36 Watt. - Cat. II	1.00	No	404.00	404.00
61	Pipe type earthing having 15 cms. long & 2.50cms. Dia. Galvanised iron pipe with coupling and buch burried in speciallyprepared earth pit. Complete. Withnecessary 8swg. Earth wire incl. Using salt. And charcol / cock as required for pipe type earthing	2.00	No	636.30	1272.60
62	Mains with 1.1 KV gradeFR PVC insulated ISI marked stranded Copper conductor wire in existing pipe erected with 1.5 sq. mm copper conductor FR PVC insulated stranded wire of green colour for earth continuity of following size	15.00	No	80.80	1212.00

It. No.	Description of Item	Qty.	Unit	Rates in Figure	Total Amount
1	2	3	4	5	6
63	Approved make MEM type Double pole iron clad switch & fuse 240 / 250 V. 15 / 16 A. confirking to I.S.S. erected on polished wooden block. Cat. II	1.00	No	328.25	328.25
64	Cast iron plate size 30 x 30 x 0.35 cms. Burried in specially prepared 2.50 mtr. Deep earth pit complete with necessary G.I. Strip in G.I. Pipe 2 mtr long with coupling and G.I. Plug for earthing of switchgear conduit run or power plug. etc.complete.	1.00	No	825.49	825.49
65	Supplying and erecting standard or equivalent make 25Amp. 10 Ka. Double pole MCB (G) series curve with metal Top company fabric-ated powder coat & shelt sheet encloser erected consuitable wooden base with connection. Cat. III	1.00	No	585.80	585.80
			Total Rs.		1426378.21

i.e. Rs.Fourteen lacs Twenty Six thousand Three hundred Seventy Eight and Twenty One paisa 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 Engineer-In-Charge for which no extra payment shall be made.
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. 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.

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

Deputy Executive Engineer
Panchayat (R & B) Sub Division,
Bharuch

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

Executive Engineer
Panchayat (R & B) Division,
Bharuch