

NAME OF WORK :- Constructing School Room at (1) Village Umalla (2) Village Prankad Ta. Jhagadia Dist.Bharuch

BILL OF QUANTITIES

Memorandum showing item of works to be carried out.

It. No.	Description of Item	Qty.	Unit	Rate in figures	Total Amount
1	2	3	4	5	6
1	Excavation for foundation upto 1.5 mt.depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 500 Meter lead.(A) Lose and soft soil	89.20	Cum	203.83	18181.64
2	Providing and laying cement concrete 1:3:6 (1 Cement , 3 Coarse aggregate , 6 crushed stone aggregate 20 mm nominal size) and curing complete including cost of form work (A) Wall caps /copping	8.02	Cum	2965.76	23785.40
3	Providing laying ordinary cement concrete M 200 and curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in (A) Foundations footing base of columns and mass concrete etc.comp.	13.92	Cum	4685.81	65226.48
4	Providing and laying cement concrete 1:2:4 (1 Cement , 2 Course sand , 4 Graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work. in. (A) for foundation and plinth.	10.06	Cum	3481.28	35021.68
5	Providing and laying ordinary cement concrete 1:2:4 (1- cement : 2 coarse sand : 4 graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in Columns having any cross sectional area.	9.68	Cum	8715.08	84361.97
6	Providing & laying Ordinary 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)	15.30	Cum	7882.26	120598.58
7	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.	16.20	Cum	6083.57	98553.83
8	Providing and laying ordinary cement concrete 1:2:4 (1- cement : 2 coarse sand : 4 graded stone aggregates 20 mm nominal size) and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in Slabs having any thickness.	1.54	Cum	6261.74	9643.08
9	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 for R.C.C work up to floor two level (ii) lintel.	1.66	Cum	8244.41	13685.72
10	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	92.36	Cum	130.39	12042.82
11	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. completed.	67.00	Cum	289.06	19367.02
12	Brick work using common burn clay building brick having crushing strength not less then 35 Kg/sq.cm. in for foundation and plinth in cement mortar 1:6(1 Cement 6 sand) (B) Conventional	13.20	Cum	4006.70	52888.44

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1	2	3	4	5	6
13	Brick work using common burn clay building brick having crushing strength not less then 35 Kg/sq.cm. in for super structure in cement mortar 1:6(1 Cement 6 sand) (B) Conventional	46.24	Cum	4277.66	197799.00
14	TMT Bar FE 415 reinforcement for R.C.C. work including bending binding & placing in position complete up to floor level.	5308.00	Kg	67.26	357016.08
15	Providing 15 mm thick cement plaster in single coat on brick/concrete wall for interior plastering up to floor two level, finished even and smooth in cement mortar 1:4(1 cement : 4 sand) including floating coat of cement slurry etc.	140.20	Sq.m.	235.92	33075.98
16	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:4 (1-cement:4-sand) including floating coat of cement slurry for ceiling etc.	125.56	Sq.m.	188.37	23651.74
17	Providing 20 mm thick cement plaster in single coat on brick/concrete wall for interior plastering up to floor two level, finished even and smooth in cement mortar 1:3(1 cement : 3 sand) including floating coat of cement slurry etc.	284.00	Sq.m.	235.92	67001.28
18	Providing and laying Marbo Grenite 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.	125.38	Sq.m.	1073.13	134549.04
19	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. (A) 25mm thick	2.70	Sq.m.	976.72	2637.14
20	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. and with M.S. flats at required spacing and frame around square or round headed bolts and nuts by screws. (A) Ornamental grill	314.00	Kg	154.62	48550.68
21	Finishing wall with water proofing cement paint of on wall surfaces (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	284.00	Sq.m.	58.08	16494.72
22	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surfaces of given an even shade, over and including a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and other foreign	266.00	Sq.m.	47.09	12525.94
23	Pro. & Fixing Aluminium windows with aluminium sections of jindal or equivalent aproved make having section with two tracks section .shutter framing size 40 mm x 18mm sliding on bearing all sections are of 20 micron colour anodized of approved shade including 5 mm	17.40	Sq.m.	1481.77	25782.80
24	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 core	7.60	Sq.m.	3482.48	26466.85
25	Providing and Fixing polished marble stone with necessary moulding around Sill & Jamb of Windows.For windows total width 0.23 + 0.07 = 0.3	25.40	Sq.m.	1816.99	46151.55
26	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including	150.00	Sq.m.	747.29	112093.50

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27	Wall painting and latering (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to <u>give an even shade including thoroughly brushing the surface free</u>	2.00	No.	1515.00	3030.00
28	Point wiring for Light / Fan/ Bell/ Primary Point with 2-1.0 sq. mm & earthwire of 1.0 sq. mm (green) both are of ISI marked FR PVC insulated multistrand copper wires in existing pipe duly erected, complete with 6A Tissino Type ISI marked flush type switch / bell push and accessories erected on polished wooden block / metal / PVC box covered with 3 mm thick laminated sheet (PVC Copper Wire, Avocab, Finolex, RR Cable brand only) and (Electrical accessories i.e. Switches etc. CLIPSAL, MK, ANCHOR, TOYOMA brand only) for concealed wiring. Light / Fan / Bell.	20.00	Pt.	150.00	3000.00
29	Point wiring for Independent PLUG Point with 2-1.0 sq. mm & earthwire of 1.0 sq. mm (green) both are of ISI marked FR PVC insulated multistrand copper wires in existing pipe duly erected, complete with ISI marked 3 pin 6A socket and 6A Tissino Type switch erected with earth continuity connection erected on polished board block / metal / PVC box covered with 3 mm thick laminated sheet (PVC Copper Wire, Avocab, Finolex, RR Cable brand only) and (Electrical accessories i.e. Switches etc. CLIPSAL, MK, ANCHOR, TOYOMA brand only) for concealed wiring.	2.00	Pt.	173.00	346.00
30	Point wiring for looped PLUG point with complete with ISI marked 3 pin 6A, socket and 6A tissino type ISI marked flush type single pole switch erected with earth continuity connection erected on polished wooden block /Metal/ PVC Box covered with 3 mm thick laminated sheet for open / concealed wiring.	4.00	Pt.	35.00	140.00
31	Mains with 1.1 KV grade FRPVC 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 (PVC Copper Wire, Avocab, Finolex, RR Cable brand only) (a) 2 wire 1.5 sq. mm.	20.00	Rmt.	24.00	480.00
32	Mains with 1.1 KV grade FR 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 (PVC Copper Wire, Avocab, Finolex, RR Cable brand only) (b) 2 wire 2.5 sq.mm.	20.00	Rmt.	31.00	620.00
33	Providing and erecting PVC casing patty conforming to ISS complete erected with necessary fitting with adhesive solution (i) for open execution.	20.00	Rmt.	25.00	500.00
34	Providing and erecting PVC corrugated flexibal conduct with require nos. of coupling, PVC bushes, check nuts etc. complete of following size 20mm.	2.00	Rmt.	13.00	26.00
35	Providing & erecting PVC corrugated flexibal conduct with require nos. of coupling, PVC bushes, check nuts etc. complete of following size 25mm.	2.00	Rmt.	17.00	34.00
36	Backlite lamp holder.	4.00	No.	15.00	60.00
37	Electric Hum Free EME Socket type steps Fan Regulator.	2.00	No.	190.00	380.00
38	Providing & erecting Bulk head fitting with glass wire guard rubber gasket & porcelain holder suitable for 40 watt to 100 Watt lamp suitable conduct entry to be erected as directed.	4.00	No.	39.00	156.00

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39	Supplying and erected approved make 1 x 40 watt. white stove enameled patti type type fluorescent fitting made of M.S. 0.8 mm thick white on reflector side complete with heavy duty polyester copper wound balast, lock type tube, starter, duly wired for use on 250 V. A.C. supply and erected if required on varnish P.W. block / PVC block with lead wires & connection. Cat-III (CLIPSAL, PIERLITE, PHILIPS, CROMPTON brand only) (a) Suitable for 1 tube 40 watt. 120 mt. Cat. III.	2.00	No.	347.00	694.00
40	Approved make G.F. lamp 230 / 250 V. 40/60 Watt Cat-III.	4.00	No.	14.00	56.00
41	Approved make fluorescent tube 120 cms 36/40 Watt erected, if required. Cat-III.	2.00	No.	61.00	122.00
42	Providing & erecting decorative call bell Ting-Tong box type 250 V. complete erected on existing polished wooden block or 3 mm thick laminated sheet.	2.00	No.	60.00	120.00
43	Providing & erecting approved make ceiling fan with condenser A.C. 230 V. 50 Cys. 1200 mm sweep complete, canopy, regulator and 30 cms. Dowen rod erected on existing hook or clamp with 24/0.2 flat 3 core flexible wire with earthing with out regulator.	4.00	No.	1323.00	5292.00
44	Supplying and erecting fan hook box of 10 mm M.S. Round bar grouted in RCC slab with making the site as original.	4.00	No.	33.00	132.00
45	Providing & erecting 240 V. MCB double pole motor & including load (C curve) having 10 KA breaking capacity & conforms to IS:8828 in existing box having following capacity. 40 Amp. Cat-II.	2.00	No.	337.00	674.00
46	Providing & erecting sheet steel powder coated enclosure suitable for incorporating one / two nos. MCB (A) DP MCB.	2.00	No.	132.00	264.00
47	For using salt and charcoal / coke as required for pipe type earthing.	2.00	No.	127.00	254.00
48	Cast iron earth plate size 30 x 30 x 0.35 cms hurried in specially prepared 2.5 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 switch gear, conduct run of power plug etc.	2.00	No.	390.00	780.00
49	GEB Conn. Charges for PHC	2.00	No.	3000.00	6000.00
				Total Rs.	1680312.96

i.e. Rs. Sixteen lacs Eighty thousand Three hundred Twelve and Ninety Six 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 _____

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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,
Valia

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

Executive Engineer
Panchayat (R & B) Division,
Bharuch