

**NAME OF WORK :- Construction of " Aanganwadi Building Center " at Village Buhari-5, Ta. :-Valod  
Dist. :- Tapi**

**BILL OF QUANTITY.  
Percentage Rate Tender**

<b>It. No.</b>	<b>Description of Item (with brief Specification and reference to book of specifications)</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate In Figures</b>	<b>Amount</b>
1	Excavation for foundation upto 1.5 M depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 M lead	40.50	Cum.	153.41	6213.11
2	Filling available excavated earth (excluding rock in trenches plinth, slides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering)	28.35	Cum.	133.65	3788.98
3	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete	34.22	Cum.	296.29	10139.04
4	Providing and laying cement concrete 1:4:8 ( 1 Cement : 4 coarse sand : 8-hand broken stone aggregates 40mm nominal size) and curring complete excluding cost of form work in. ( A ) Foudation and plinth	2.70	Cum.	2747.21	7417.47
5	Providing and laying cement concrete work M-200 (1- Cement : 1.5- Coarse sand : 3- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in ( A ) Foundations footing base of columns and mass concrete	8.12	Cum.	4156.51	33750.86
6	Providing and Laying ordinary cement concrete M-200 (1- Cement 1.5- coarse sand : 3- 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 Column upto plinth level.	1.22	Cum.	11028.20	13454.40
7	Providing and Laying ordinary cement concrete M-200 (1- Cement 1.5- coarse sand : 3- 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 (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M.	2.64	Cum.	8963.84	23664.54
8	Brick work using common burnt clay building brick having crushing strength not less than 35 kg/sq. cm. in foundation and plinth in cement mortar 1:6 ( 1 Cement: 6 fine sand) (B) Conventional	4.57	Cum.	4121.55	18835.48
9	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	5.50	Cum.	3786.47	20825.59
10	Providing TMT Bar FE 415 reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level.	3248.80	kg	77.29	251099.75
11	Providing and Laying ordinary cement concrete M-200 (1- Cement 1.5- coarse sand : 3- 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 Column	2.38	Cum.	9469.43	22537.24
12	Providing and Laying ordinary cement concrete M-200 (1- Cement 1.5- coarse sand : 3- 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 Beam	2.86	Cum.	8035.64	22981.93
13	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) for R.C.C lintel including finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	0.67	Cum.	9099.37	6096.58
14	Providing laying controlled cement concrete 1:2:4 ( 1 Cement : 2 coarse sand : 4 graded stone aggregates 20mm nominal size) for reinforcement concrete chajjas not exceeding 10cm. Thickness up to floor two level including finishing the expose surface with cement mortar1:3 ( 1 Cement : 3 fine sand to give a smooth and curing complate exluding cost of reinforcement.	0.20	Cum.	6674.45	1334.89

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15	Providing and Laying ordinary cement concrete M-200 (1- Cement 1.5- coarse sand : 3- 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 Slab	5.79	Cum.	8795.25	50924.50
16	Brick work using hydraulically pressed common burnt clay building brick having crushing strength not less than 35 kg/sq. cm. in super structure above plinth level up to floor two level in cement mortar 1:6 ( 1 Cement: 6 fine sand) (B) Convention for G.F	17.85	Cum.	4403.40	78600.69
17	Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross board and face veneer or plywood face panels, including anodised aluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised aluminium butt hinges in flush door shutters (2) 35 mm thick.	5.88	Sqmtr	1829.74	10758.87
18	Providing and fixing 30mm thick FACTORY MADE SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15 mm for top and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture, M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 30 x 50 mm forming stiles, and 5mm thick 75mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5 stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive,. An additional 5mm thick PVC strip of 20mm width is to be stulk on the interior side of the 'c' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	3.19	Sqmtr	1146.37	3656.92
19	Providing and fixing in position standard extruded Aluminium section of size 63.50x38.10x1.95mm @ wt. 1.094 kg/Rmt. With color anodized aluminium frame with 5mm thk. Transperent bronze color tinted float glass with color anodized aluminium frame for ventilation with 5 mm thk. frosted glass as detail etc... complete for window.	7.02	Sqmtr	1713.70	12030.17
20	Providing and fixing in position standard extruded Aluminium section of size 63.50x38.10x1.95mm @ wt. 1.094 kg/Rmt. With color anodized aluminium frame with 5mm thk. Transperent bronze color tinted float glass with color anodized aluminium frame for ventilation with 5 mm thk. frosted glass as detail etc... complete for window.	0.36	Sqmtr	1301.83	468.66
21	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame around, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill. ( A ) Plain grill	136.00	kg	106.48	14481.28
22	Providing 15mm thick cement plaster in Single coat on brick/conceret wall for interior plastering finished even and smooth (ii) cement mortar 1:4(1 cement:4 sand) and mala prove finished etc. complete for GF	139.58	Sqmtr	222.24	31020.26
23	Providing 10mm thick cement plaster in single coat on brick/conceret wall for interior plastering upto floor two level and finished even and smooth in (i) cement mortar 1:3(1 cement:3 sand)	56.67	Sqmtr	194.20	11005.31
24	20 mm thick sand faced cement plaster with on wall upto all height above ground level consisting 12 mm thick backing coat of c.m. 1:3 (1 cement : 3 sand ) and 8 mm thick finishing coat of cm 1:1 (1 cement : 1 sand) etc. complete.all height etc. complete	123.73	Sqmtr	337.52	41761.35
25	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	12.10	Sqmtr	1477.25	17874.73
26	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.	2.83	Sqmtr	929.39	2630.17

It. No.	Description of Item (with brief Specification and reference to book of specifications)	Quantity	Unit	Rate In Figures	Amount
27	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	48.15	Sqmtr	1059.83	51030.81
28	Providing laying and jointing in true line and level 40 mm 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 center to center 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.	10.00	Rmtr	148.12	1481.20
29	Providing & laying and jointing in true line and level 25 mm dia UPVC pipe (SCH-40) for cold water including fitting as approved by engineer in charge. pipe shall be fixed on wall with the help of clamp at every two metre center to center or shall be concealed as directed including necessary fitting etc including testing of pipe and joints and fixing the same with adhesive solvent including cost of all materials .	10.00	Rmtr	91.84	918.40
30	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.	15.00	Rmtr	72.65	1089.75
31	Providing and fixing water closet squatting Pan (Indian type W.C. Pan) size 580mm (Earthwork, bed concrete, foot rest and trap to be measured and paid for separately) (A) Vitreous China.(I) Long pattern = White colour	1.00	Nos	971.79	971.79
32	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour.	1.00	Nos	1485.41	1485.41
33	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	4.00	Nos	186.83	747.32
34	Providing and fixing cast iron (Spun) Nahni trap of the following nominal diameter of self cleaning design with C.I. screed down or hinged grating including cost of cutting and making good the walls and floor 100mm inlet and 50mm outlet.(C) 100mm dia.	4.00	Nos	635.91	2543.64
35	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. (upto 10 ton)	2.00	Nos	1292.19	2584.38
36	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(B) 75mm dia.	4.00	Rmtr	741.01	2964.04
37	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(C) 100mm dia.	4.00	Rmtr	892.39	3569.56
38	providing and fixing in position cowl vent to pipe (II) 100mm	2.00	Nos	505.17	1010.34
39	providing and fixing the PVC pipe rain water out let pipe of I.S.I mark approved quality make equivalent to finolex with necessary bend plug, jali ,clamps, etc. (P.V.C. Pipes 10 kgf / Sq.cm. 110 mm dia.)	6.00	Rmtr	265.34	1592.04
40	Distempering with dry distemper with two coat acrylic lapy- putty 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 and other foreign matter	139.58	Sqmtr	93.26	13017.23
41	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 and other foreign matter on ceilings and slopping roofs.	56.67	Sqmtr	59.37	3364.50
42	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing surface to remove all dirt and remains of loose powdered materials etc. complete	123.73	Sqmtr	117.40	14525.90

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43	painting two cosat (including priming coats) on new steel and other metal surface with enamel paint,brushing interior to give an even shade including cleaning the surface of all dirt,dust and other foreign matter.	11.84	Sqmtr	128.99	1527.24
44	Constructing brick masonry for underground C.I. inspection chamber and bends with bricks having crushing strength no less then 35kg/cm2 in c:m 1:5: C.I. cover with frame ( light duty ) 445mm x 610 mm internal dimensions total weight of cover with frame to be not less than 38 kg ( wt. or cover 23 kg and wt. of frame 15 kg) R.C.C. top slabe with 1: 2 : 4 mix ( 1 cement : 2 coarse sand : 4 grade stone aggregate 20mm size ) foundation concrete 1 : 5 : 10 inside plaster 15 mm thick with cement mortar 1 : 3 finished smooth with a floating conat of neat cement on wall and bed concreter etc. complete. ( ii ) inside dimensions 500 mm x 700 mm x 450 mm deep for pipeline with one or two inlets	1.00	Nos	3660.76	3660.76
45	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 rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	57.95	Sqmtr	765.97	44387.96
46	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B.Masonry walls 23 cm.thick in C.M.(1:6) with (ii) Fixing black kadappa stone 30mm thick laid on precast R.C.C. (1:2:4) slab with plastering on exposed faces of wall in C.M. (1:4) etc complete.	3.00	Rmtr	2656.06	7968.18
47	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size	1.00	Nos	2326.66	2326.66
48	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 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	4.95	Sqmtr	1015.82	5028.31
49	Providing and laying chequered precast cement concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5 (1-Lime putty : 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.	13.81	Cum.	541.21	7474.11
50	Providing erecting and fixing double coated Syntex PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	1000.00	liter	3.95	3950.00
51	Constg. Khar kuwa 1.5 m. dia x 3.00m. depth with R.C.C. top slab 1:2:4 mox 1 Cement, 2 cours Sanc, 4 stone agg. 20mm nominal size foundation concrete 1:4:8 mix 1, cement, 4 Cours sand 8, ston aggrate with Hollow Brick masonry for arround wall etc. comp.	1.00	Nos	10516.12	10516.12
52	Providing and fixing Machine cut, free edges, Machine polished Marble slab 18mm to 20mm thick (Single place not more than 150 cm) for Door/ window cill and Jambs cladding as per design including full moulded round front edge both side and 1cm nosing and laid on 20 mm thick cement mortar 1:6 (1 cement, 6 coarse sand) jointed with grey cement slurry including rubbing and polishing finishing etc complete.	16.26	Sqmtr	703.03	11431.27
53	Wall painting of diffrent type of Picture, Alfabet chart, Number chart, Bird and Animal picture, Pyramid and Nandghar logo, Map of Taluka-Dist., Vehicle, Scale etc. with oil paint as per instruction by Engineer-In-Charge and ICDS norms.	1.00	job	15150.00	15150.00

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54	Providing and Fixing PIN UP BOARD with necessary base fitting as per given drawing etc complete.	0.75	Sqmtr	1010.00	757.50
55	Dimolation for old Struture including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift as per direction by Engineer incharge	1.00	job	15150.00	15150.00
					<b>949577.19</b>

**Rs.Nine Lack Fourty Nine Thousand Five Hundred Seventy Seven and Paise One Nine Only.**

I / Weam / are willing to carryout 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

\*Estimated amount put to tender

Deduct ..... % below Rs.....

Net

In words .....

\*( please strike out whichever is not applicable)

\*Estimated amount put to tender

Add ..... % Above

Net

In words .....

- 1 The Contractor shall exhibition board with detailed specification and details of works directed by the Engineer – In – Charge for which no extra payment shall bemade.
- 2 The labourcess 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 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 the reisa 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.

**Signature of the contractor**

**Executive Engineer,  
Panchayat ( R & B ) Division,  
Tapi**