

## Bill of Quantity (BOQ)

### Construction of Multi Utility Room at Jangla PHC-N of Bonai Block for the year 2020-21

Sl. No	Item	Quantity	Unit	Rate	Amount
1	<b>Earth Work in Excavation</b> of foundation in hard soil or gravelly soil including dressing and levelling the bed, initial leads and lifts as per direction of EIC.	52.05	0.00	184.58	<b>9607.38</b>
2	<b>Supplying and Filling foundation and plinth</b> with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc. complete.	27.61	Cum	363.90	<b>10047.27</b>
3	<b>Cement Concrete (1:3:6)</b> using 40mm size hard granite C.B. metal approved quality from approved quarry including hoisting laying using concrete mixture and vibrators including cost, carriage, royalty, cost of all labour T.&P. etc complete and as directed by E.I.C.	9.12	Cum	4315.29	<b>39355.44</b>
4	<b>R.C.C. M-25 grade</b> with 20mm and down grade C.B. chips including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and cost of all materials and labour, T&P centering shuttering etc complete but cost of reinforcement complete.				
	(A) Column base and Column footing	3.53	Cum	5035.82	<b>17776.44</b>
	(B) Plinth band (Grade beam)	2.16	Cum	5385.12	<b>11631.85</b>
	(C) Column in Superstructure, Beam	3.16	Cum	12067.23	<b>38132.44</b>
	(D) Lintel	0.99	Cum	8502.72	<b>8417.69</b>
	(E) Chhaja	3.91	Sqm	778.68	<b>3044.63</b>
	(F) Roof Slab	5.40	Cum	9077.94	<b>49020.87</b>
	(F) Pre Cast Cover Slab	0.03	Cum	5385.12	<b>161.55</b>
	(G) Staircase (Ground Floor)	1.18	Cum	10168.60	<b>11998.94</b>
	First Floor				
	(H) Projection of Column above the ground Floor Roof Slab	0.16	Cum	13585.40	<b>2173.66</b>

5	<b>C.C. (1:2:4) with 12mm and down grade C.B. chips</b> approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and including cost, carriage, royalty, cost of all labour T.&P. etc complete and as directed by E.I.C.	1.35	Cum	5515.90	<b>7446.46</b>
6	Providing <b>M.S. reinforcement for R.C.C.</b> work including cutting, bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20 gauge and cost and carriage of steel.				
	Ground Floor	<b>17.46</b>	Qntl	<b>6145.31</b>	<b>107297.11</b>
	First Floor	0.19	Qntl	6168.47	<b>1172.00</b>
7	<b>2.5cm thick grading concrete (1:2:2) on roof slab</b> with 6mm size hard crusher broken granite chips on new work including watering curing cost of all materials, water-proofing compounds, T.& P. required for the works etc complete.	43.47	Sqm	289.56	<b>12587.17</b>
8	<b>Brick work with Flyash Ash. bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm<sup>2</sup></b> with dimensional tolerance $\pm 8$ percent in cement mortar (1:6) in <b>Foundation &amp; Plinth</b> including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	11.89	Cum	3982.20	<b>47348.35</b>
9	<b>Brick work with Flyash Ash. bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm<sup>2</sup></b> with dimensional tolerance $\pm 8$ percent in cement mortar (1:6) in <b>Superstructure</b> including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.				
	Ground Floor	14.62	Cum	4015.48	<b>58706.31</b>
	First Floor	3.72	Cum	4275.10	<b>15903.37</b>
10	Supplying <b>M.S Door &amp; Window</b> made out with ms flat , angle of approved design & specification including cost of all materials cost of manufacture, cost of one coat of primer,all taxes T&P etc complete.	418.37	Kg	65.16	<b>27260.98</b>

11	<b>Labour charge</b> for fitting ,fixing of M.S door,window, grill , Gate including all costetc complete.	13.00	Sqm	70.80	<b>920.40</b>
12	<b>Painting</b> 2 coats with any approved paint in new <b>iron works</b> including sand papering, polising surfaces, cost of paints, cost of all labour, T&P, etc complete in all floors as per direction of Engg-in charge.				
	Ground Floor	32.61	Sqm	132.98	<b>4336.47</b>
13	<b>16mm thick C.P.</b> in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.				
	Ground floor	65.58	Sqm	189.10	<b>12401.17</b>
14	<b>12mm thick C.P. in C.M.(1:6) over brick masonry</b> to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.				
	Ground floor	93.48	Sqm	132.04	<b>12343.09</b>
15	<b>Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles</b> of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.				
	Ground floor	11.97	Sqm	735.30	<b>8801.54</b>
16	<b>Fixing Glazed tile (30cmx30cm / 40cm x 40cm (special plain/printed series ceramic tiles)</b> of premium grade having thikness 7mm to 8 mm confirming to IS 13755) in floors,treads or steps and landing on 20mm thick bed of cement mortar 1:4( 1cement:4 sand jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost of tile.	4.56	Sqm	677.80	<b>3090.76</b>
17	Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete.				
	Ground floor	191.80	Sqm	57.80	<b>11086.04</b>

18	Finishing plastered surface of wall surface with Cement based putty & making smooth to receive painting including cost of scaffolding etc. with cost of all materials, labour T&P etc. complete.				
	Ground floor	104.56	Sqm	71.37	<b>7462.44</b>
19	<b>Distempering 2 coats to walls with distemper of approved shade</b> on new work to give an even shade including cost of distemper and labour, T & P. etc complete.				
	Ground floor	104.55	Sqm	62.95	<b>6581.42</b>
20	<b>Finishing to the exposed surfaces of wall with weather coat</b> of any approved shade on new work 2 coats to give an even shade including cost of weather coat all cost of all labours and T&P etc. complete .				
	Ground floor	87.25	Sqm	70.70	<b>6168.57</b>
21	<b>Supplying, fitting and fixing vitrified tile (Plain) in floors of size 600mm x 600mm</b> of approved make conforming to IS : 13755 laid on 20 mm thick cement mortar (1:4) (1 cement :4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of E.I.C. (For New work only)				
		28.36	Sqm	895.46	<b>25395.24</b>
22	<b>Fixing Chequered tiles in floors treads or steps and on 20mm thick bed of cement mortar 1:4</b> (1cement : 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost, carriage, royalty & taxes of all materials, cost of all labours T&P etc complete.				
		3.82	Sqm	474.94	<b>1814.27</b>
24	Fixing water closet Porcelain pan ( Indian type W.C pan ) confirming to IS 2556:Part 3-2004 duly embedded in cement concrete 1:4:8 (using hbg metal 4 cm size) all complete as per P.H specification.				
(i)	580 x440mm size Orissa Pan (White)	1.00	Nos.	2772.60	<b>2772.60</b>
25	10Ltr Capacity Flushing Cistern	1.00	Nos.	1442.10	<b>1442.10</b>
25	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright confirming to IS:781-1995 of the following nominal sizes as per specification complete.				
(i)	15 mm dia C.P. Brass Short Body Bib Cock	2.00	Nos.	672.1	<b>1344.20</b>

(ii)	15 mm diameter Pillar cock	1.00	Nos.	696.9	<b>696.90</b>
26	Fixing of Brass or C.P screw down stop cocks/ concealed stop cock/ angle stop cocks confirming to IS: 781-1995 of the following nominal sizes as per P.H specification complete.				
(i)	15 mm dia Brass Screw- down Stop Cock	1.00	Nos.	656.00	<b>656.00</b>
(ii)	125mm CP grating	1.00	Nos.	72.90	<b>72.90</b>
27	Fixing Wash Basins with hole for Pillar Taps confirming to IS 2556:Part 4-2004 with Cast Iron or M.S brackets painted white including cutting holes in walls and making good the damages etc all complete as per P.H specification.				
(i)	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	1.00	Nos.	2863.80	<b>2863.80</b>
28	Providing and fixing to wall or ceiling and floor Chlorinated Polyvinyl Chloride (CPVC) Pipes confirming to IS: 15778 of the following nominal bore with clamp including making good the damages to wall ,ceiling & floor etc complete as per specification as per direction of Engineer in Charge.				
(i)	15 mm nominal outer dia pipe	18.20	Mtrs.	166.80	<b>3035.76</b>
29	Supplying all materials, labour, T&P and fitting and fixing U-PVC, SWR soil waste ventilating pipes and fitting of the following outside diameter conforming to 13592/1992 to walls with nails bobbins and wooden plugs or laying in trenches including with supply of approved rubber lubricant by non-heat application method as per manufactures specification testing earth work in excavation in all kinds of soil and refilling of trenches all complete as per specification and direction of Engineer.in charge.				
(i)	110 mm U-PVC Pipe	5.70	Mtrs.	284.20	<b>1619.94</b>
(ii)	110 mm U-PVC 'P' trap	2.00	Each	294.20	<b>588.40</b>
(iii)	110 mm U-PVC Plain bend	3.00	Each	287.10	<b>861.30</b>
(iv)	110 mm U-PVC Cowl	1.00	Each	38.40	<b>38.40</b>
(v)	110 mm U-PVC Coupler	3.00	Each	130.30	<b>390.90</b>
(vi)	75 mm U-PVC Plain bend	3.00	Each	163.80	<b>491.40</b>
(vii)	75 mm U-PVC Coupler	3.00	Each	97.60	<b>292.80</b>

30	Cutting holes through existing brick work including making good the same in cement mortar ( 1: 4 ) for taking G.I / P.V.C pipes and fittings all complete as per specification & direction of Engineer-in-charge.				
(i)	250 mm thick wall	2.00	Nos.	47.40	<b>94.80</b>
31	Fixing of Mirror	1.00	Nos.	617.60	<b>617.60</b>
32	Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite mm dia non-metallic PVC conduit with 5 cover of suitable size, MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge.				
	Group (A)	2.00	Nos.	584.20	<b>1168.40</b>
	Group (B)	3.00	Nos.	690.00	<b>2070.00</b>
	Group (C)	4.00	Nos.	829.00	<b>3316.00</b>
33	Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required (5/6A) as per direction of Engineer in Charge.	11.00	Nos.	212.00	<b>2332.00</b>
34	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	7.00	Nos.	43.00	<b>301.00</b>
35	Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required (2 x 2.5 sqmm) as per direction of Engineer in Charge.	35.66	Mtrs.	115.00	<b>4100.90</b>
36	Supplying, fitting & Fixing of PVC door including all cost of materials, labour charges , T & P etc complete as per direction of EIC.	1.00	Each	2900.00	<b>2900.00</b>
37	S/F fo 48" A.C.Ceiling fan without regulator including all connections Model:bajaj as per direction of EIC.	2.00	Each	1400.00	<b>2800.00</b>
38	S/F of Fan hook S, Type on ceiling..as per direction of EIC.	2.00	Each	169.68	<b>339.36</b>

<b>39</b>	S/F of electronic step type ceiling fan regulator in existing switch board including connection with 1.5sqmm FR PVC(1.38).as per direction of EIC.	2.00	Each	333.30	<b>666.60</b>
<b>40</b>	Supply of instalation, Testing commissioning of 12 Watt. Led bulb.as per direction of EIC.	7.00	Each	200.00	<b>1400.00</b>
<b>GST as applicable</b>					
<b>Total 40 items</b>		<b>Total Estimated Cost</b>		<b>6,18,765.00</b>	
				Rupees Six Lakh Eighteen Thousand Seven Hundred Sixty Five only	

My quoted rate is ..... % ( both figure & word ) Excess over / Less than / Equal to above estimated cost.

**Note**

- 1 The Contractor should not write anything except quoting of percentage and incase of anything regarding tender.
- 2 Strick out which are not applicable.

**Total :- 40 (Forty) Items only**

**No. of correction :-**

**No.of overwriting :-**

**No. of Interpolation :-**

**Approved for 40 (Forty) Items only**

**Full signature of the Contractor with date.**

**Chief District Medical & Public Health Officer  
Cum District Mission Director  
Sundargarh**