

## Bill of Quantity (BOQ)

### Construction of Multy Utility Room at Lathikata PHC(N) of Lathikata Block for the year 2020-21

Sl. No	Item	Quantity	Unit	Rate	Amount
1	Earth work excavation of foundation in hard Soil including rough dressing and leveling the bed etc. complete.	35.08	Cum	184.58	6475.07
2	Filling foundation and plinth with sand including cost, conveyance & taxes etc. complete.	21.60	Cum	328.30	7091.28
3	Cement concrete (1:3:6) using 4 cm size C.B.H.G. metal with cost, conveyance and taxes etc. complete.	5.66	Cum	4117.50	23305.05
4	R.C.C. M-25 grade with 20mm and down grade C.B. chips of approved quality from approved quarry 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 excluding cost of reinforcement complete as per the direction of Engineer-in-charge.				
	(A) Column base and footing	3.43	Cum	4733.80	16236.93
	(B) Plinth beam for Utility Room	1.74	Cum	5083.10	8844.59
	(C) Column in Superstructure, Beam				
	(a) Ground Floor	2.40	Cum	11765.20	28236.48
	(b) First Floor	0.48	Cum	13283.38	6376.02
	(D) Lintel				
	(a) Ground Floor	0.98	Cum	8200.70	8036.69
	(b) First Floor	0.04	Cum	9005.90	360.24
	(F) Chhaja Window	4.35	Cum	759.05	3301.87
	G) Roof Slab	4.34	Cum	8775.90	38087.41
	(H) Stair Case	1.74	Cum	9866.58	17167.85
5	C.C. (1:2:4) with 12mm and down grade C.B. chips 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.	0.99	Cum	5382.30	5328.48
6	Straightening cutting bending M.S. & T.S rod including cost conveyance of materials etc complete.	15.30	Qntl	6099.94	93329.08
7	2.5cm thick grading concrete (1:2:2) on roof slab 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	Qntl	283.78	12335.92

<b>8</b>	Brick work with flyash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ percent in cement mortar (1:6) in Superstructure 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.				
	(A) Sub Structure	11.11	Cum	3975.00	44162.25
	(B) Super Structure	15.18	Cum	4008.31	60846.15
	(C) First Floor	4.51	Cum	4267.90	19248.23
<b>9</b>	Supply fitting and fixing of M.S door and window etc complete including all material ,taxes etc complete	549.40	Kg	69.79	38339.88
<b>10</b>	Labour charge for fitting ,fixing of M.S door,window, grill , Gate including all costetc complete.	15.22	Sqm	70.80	1077.58
<b>11</b>	Painting 2 coats with any approved paint in new iron works 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.	37.60	Sqm	132.98	5000.05
<b>12</b>	16mm thick C.P. 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.				
	(A) Ground Floor	97.94	Sqm	188.60	18471.48
	(B) First Floor	32.50	Cum	193.41	6285.83
<b>13</b>	12mm thick C.P. 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.				
	(A) Ground Floor	127.44	Sqm	131.66	16778.75
	(B) First Floor	32.50	Sqm	137.02	4453.15
<b>14</b>	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles 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.	11.97	Sqm	723.90	8665.08
<b>15</b>	Fixing Glazed tile (30cmx30cm / 40cm x 40cm (special plain/printed series ceramic tiles)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	666.12	3037.51

<b>16</b>	Priming one coat with any approved primer including cost, conveyance and taxes of all materials etc. complete.				
	(A) Ground Floor	260.72	Sqm	57.80	15069.62
	(B) First Floor	65.00	Sqm	60.20	3913.00
<b>17</b>	Distemping 2 coats to walls with distemper of approved shade on new work to give an even shade including cost of distemper and labour, T & P. etc complete.				
	(A) Ground Floor	175.54	Sqm	62.95	11050.24
	(B) First Floor	65.00	Sqm	64.40	4186.00
<b>18</b>	Finishing walls with approved shade two coats of weather coat to give an even shade including cost of all materials etc. complete.				
	(A) Ground Floor	124.55	Sqm	70.70	8805.69
	(B) First Floor	65.00	Sqm	73.26	4761.90
<b>19</b>	Supplying, fitting and fixing vitrified tile (Plain) in floors of size 600mm x 600mm 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	Cum	883.79	25064.28
<b>20</b>	Fixing Vitrified tiles (size 600mmx600mm) (Plain) 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 shade of the tiles including cost, carriage, cost of all labour etc. complete.	3.84	Cum	982.76	3773.80
<b>21</b>	Providing, fitting, fixing A.C. Sheet in roof including fixing of ridges wind ties etc. complete but including cost of fitting including drilling holes in wind ties	18.33	Sqm	349.36	6403.77
<b>22</b>	2.5cm thick A.S. flooring with cement concrete (1:2:4) using 12mm size C.B. chips including 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.	21.56	Sqm	289.33	6237.95
<b>23</b>	Supplying all materials labour T & P and fixing water closet, squatting pan (Indian type W.C. pan / Orissa pattern squatting pan) duly embedded in C.C. (1:5:10) using 4cm h.g. metal all complete as per the direction of E.I.C.				
	(a) 580mm Orissa pan	1.00	Nos.	2772.60	2772.60
<b>24</b>	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright conforming to IS:781-1995 of the following nominal sizes as per specification complete.				
	15 mm dia C.P. Brass Short Body Bib Cock	2.00	Nos	672.10	1344.20

	15 mm diameter Pillar cock	1.00	Nos	696.90	696.90
25	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.				
	15 mm dia Brass Screw- down Stop Cock	1.00	Nos	656.00	656.00
	125mm CP grating	1.00	Nos	72.90	72.90
26	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.				
	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	1.00	Nos	2863.80	2863.80
27	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.				
	15 mm nominal outer dia pipe	5.00	Mtrs	166.80	834.00
28	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.				
	110 mm U-PVC Pipe	3.34	Mtrs	284.20	949.23
	110 mm U-PVC 'P' trap	2.00	Each	294.20	588.40
	110 mm U-PVC Plain bend	3.00	Each	287.10	861.30
	110 mm U-PVC Cowl	1.00	Each	38.40	38.40
	110 mm U-PVC Coupler	3.00	Each	130.30	390.90
	75 mm U-PVC Plain bend	3.00	Each	163.80	491.40
	75 mm U-PVC Coupler	3.00	Each	97.60	292.80
29	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.				
	250 mm thick wall	2.00	Nos	47.40	94.80

30	Supplying all materials, labour T & P and fixing mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden plugs with C.P. screws and washers complete as per P.H. specification and direction of E.I.C.				
	(a) 600mmx450mm B.E. Mirror	1.00	Nos	617.60	617.60
31	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 bakelitemm dia non-metalic 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 accesories and connection as per direction of Engineer in Charge.				
	Group (A)	2.00	Nos	584.20	1168.40
	Group (B)	3.00	Nos	690.00	2070.00
	Group (C)	4.00	Nos	829.00	3316.00
32	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	2332.00
33	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	8.00	Nos	43.00	344.00
34	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.	25.00	Mtrs	115.00	2875.00
35	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	2900.00
36	S/F fo 48" A.C.Ceiling fan without regulator including all conections Model:bajaj as per direction of EIC.	2.00	Each	1800.00	3600.00
37	S/F of Fan hook S, Type on ceiling..as per direction of EIC.	2.00	Each	169.68	339.36
38	S/F of electronic step type ceiling fan regulator in existing switch board including connection with1.5sqmm FR PVC(1.38).as per direction of EIC.	2.00	Each	333.30	666.60

<b>39</b>	Supply, Installation, Testing and commissioning of 300mm sweep exhaust fan in the existing opening, including making the hole to suit the size of the above fan making good the damaged complete, connection,etc. as required as per direction of EIC.	1.00	Each	1850.30	1850.30
<b>40</b>	Supply of instalation, Testing commissioning of 12 Watt. Led bulb.as per direction of EIC.	8.00	Each	200.00	1600.00
<b>GST as applicable</b>					
<b>Total 40 items</b>		<b>Total Estimated Cost</b>		<b>6,26,772.00</b>	
				Rupees Six Lakh Twenty Six Thousand Seven Hundred Seventy Two 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**