

## Bill of Quantity (BOQ)

### Construction of Health Wellness Centre at Simko Sub Centre of Kuarmunda Block for the year 2020-21 (PIP)

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.	6.33	Cum	184.60	1168.52
2	Filling foundation and plinth with sand including cost, conveyance & taxes etc. complete.	0.86	Cum	328.50	282.51
3	Cement concrete (1:3:6) using 4 cm size C.B.H.G. metal with cost, conveyance and taxes etc. complete.	0.68	Cum	4232.40	2878.03
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	1.58	Cum	5400.70	8533.11
	(B) Plinth beam for Head Room	0.62	Cum	5750.00	3565.00
	(C) Column in Superstructure, Beam				
	(a) Ground Floor	1.01	Cum	12432.10	12556.42
	(b) First Floor	3.97	Cum	13950.30	55382.69
	(D) Lintel	1.22	Cum	8867.60	10818.47
	(F) Chhaja Window	3.88	Cum	900.00	3492.00
	(G) Roof Slab	7.25	Cum	10363.10	75132.48
	(H) Stair Case	1.53	Cum	10533.50	16116.26
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.	0.54	Cum	5499.00	2969.46
6	Straightening cutting bending M.S. & T.S rod including cost conveyance of materials etc complete.				
	(A) Ground Floor	4.96	Qntl	6108.70	30299.15
	(B) First Floor	13.89	Qntl	6131.80	85170.70
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.	16.78	Sqm	286.50	4807.47

<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	1.59	Cum	4526.70	7197.45
	(A) Super Structure	21.21	Cum	4560.00	96717.60
<b>9</b>	Supply fitting and fixing of M.S door and window etc complete including all material ,taxes etc complete	460.38	Kg	65.16	29998.36
<b>10</b>	Labour charge for fitting ,fixing of M.S door,window, grill , Gate including all costetc complete.	13.41	Sqm	70.80	949.43
<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.	32.64	Sqm	133.00	4341.12
<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.	79.17	Sqm	189.00	14963.13
<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	28.02	Sqm	137.30	3847.15
	(B) First Floor	135.49	Sqm	132.00	17884.68
<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.	11.07	Sqm	727.30	8051.21
<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.	5.11	Sqm	678.90	3469.18
<b>16</b>	Priming one coat with any approved primer including cost,conveyance and taxes of all materials etc.complete.				
	(A) Ground Floor	122.16	Sqm	57.80	7060.85
	(B) First Floor	271.10	Sqm	60.20	16320.22

17	Distempering 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.	157.84	Sqm	64.40	10164.90
18	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	122.16	Sqm	70.70	8636.71
	(B) First Floor	107.56	Sqm	73.30	7884.15
19	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	10.00	Sqm	349.40	3494.00
20	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.	59.21	Sqm	300.20	17774.84
21	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	2.00	Nos.	2772.60	5545.20
22	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright conforming to IS:781-1995 of the following nominal sizes as per specification complete.				
A)	15 mm dia C.P. Brass Short Body Bib Cock	2.00	Nos	672.10	1344.20
B)	15 mm diameter Pillar cock	1.00	Nos	696.90	696.90
23	Fixing of Brass or C.P screw down stop cocks/ concealed stop cock/ angle stop cocks conforming to IS: 781-1995 of the following nominal sizes as per P.H specification complete.				
A)	15 mm dia Brass Screw- down Stop Cock	1.00	Nos	656.00	656.00
B)	125mm CP grating	2.00	Nos	72.90	145.80
24	Fixing Wash Basins with hole for Pillar Taps conforming 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.				
A)	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	1.00	Nos	2863.80	2863.80
25	Providing and fixing to wall or ceiling and floor Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming 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.				
A)	15 mm nominal outer dia pipe	4.00	Mtrs	166.80	667.20
B)	25 mm nominal outer dia pipe	4.00	Mtrs	297.00	1188.00

26	Providing and laying in trenches PVC pipe ( 4Kg/cm <sup>2</sup> ) as sewer line and alining to requisite gradients inside the trench, jointing with solvent cement with 0.08m sand filling in bed , 0.10m C.C ( 1:4:8) using 40 mm size hbg metal in bed & for intermidiate pillar including lowering the pipes to the bed of trench, Earthwork in excavation in all kind of soil ,Filling the trenches with excavated earth with watering and ramming and removal of surplus earth, testing of sewer line etc. complete as per the direction of Engineer.in				
A)	75 mm PVC Pipe	3.00	Mtrs	819.80	2459.40
B)	110 mm PVC Pipe	3.00	Mtrs	861.00	2583.00
27	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.				
A)	110 mm U-PVC Pipe	2.00	Mtrs	284.20	568.40
B)	110 mm U-PVC 'P' trap	2.00	Each	294.20	588.40
C)	110 mm U-PVC Plain bend	3.00	Each	287.10	861.30
D)	110 mm U-PVC Cowl	1.00	Each	38.40	38.40
E)	110 mm U-PVC Coupler	3.00	Each	130.30	390.90
F)	75 mm U-PVC Plain bend	3.00	Each	163.80	491.40
G)	75 mm U-PVC Coupler	3.00	Each	97.60	292.80
28	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.				
A)	250 mm thick wall	3.00	Nos	47.40	142.20
29	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.				
A)	Group (A)	4.00	Nos	584.20	2336.80
B)	Group (B)	5.00	Nos	690.00	3450.00
C)	Group (C)	6.00	Nos	829.00	4974.00

30	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.	15.00	Nos	212.00	3180.00
31	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	10.00	Nos	43.00	430.00
32	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.	31.91	Mtrs	115.00	3669.65
33	Supplying, fitting & Fixing of PVC door including all cost of materials, labour charges, T & P etc complete as per direction of EIC.	2.00	Each	2900.00	5800.00
34	S/F fo 48" A.C.Ceiling fan without regulator including all conections Model:bajaj as per direction of EIC.	3.00	Each	1400.00	4200.00
35	S/F of Fan hook S, Type on ceiling..as per direction of EIC.	3.00	Each	169.68	509.04
36	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.	3.00	Each	333.30	999.90
37	Supply of instalation, Testing commissioning of 9 Watt. Led bulb.as per direction of EIC.	10.00	Each	200.00	2000.00
	<b>GST as applicable</b>				
					<b>6,24,999.00</b>
	<b>Total 37 items</b>		<b>Total Estimated Cost</b>		Rupees Six Lakh Twenty Four Thousand Nine Hundred Ninety Nine 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 :- 37 (Thirty Seven) Items only**

**No. of correction :-**

**No.of overwriting :-**

**No. of Interpolation :-**

**Approved for 37 (Thirty Seven) Items only**

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

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