

Bill of Quantity (BOQ)

Construction of Labour Room at Gundiadihi of Lephripara block of Sundargarh district under NHM PIP for the year 2020-21					
Sl. No	Item	Quantity	Unit	Rate	Amount
1	Dismantling brick or stone masonry in cement mortar above 3.00m height including all costs complete & stacking the useful materials for reuse and removing the debris 50 mtr lead as per the direction of Engineer-in-charge.	61.10	Cum	1074.50	65651.95
2	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed. initial leads and lifts as per the direction of Engineer-in-charge.	122.26	Cum	184.60	22569.20
3	Supplying & filling foundation and plinth with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete as per the direction of Engineer-in-charge.	125.54	Cum	506.10	63535.79
4	Cement Concrete (1:3:6) 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 as per the direction of Engineer-in-charge.	33.03	Cum	5004.40	165295.33
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 as per the direction of Engineer-in-charge.	6.05	Cum	6223.40	37651.57
6	R.C.C. M-20 grade 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 as per the direction of Engineer-in-charge.				
6.1	Column base and footing	19.67	Cum	5271.10	103682.54
6.2	Plinth band (Grade beam)	7.52	Cum	5620.40	42265.41
6.3	Lintel	3.40	Cum	8737.60	29707.84
6.4	Chajja	14.43	Sqm	794.00	11457.42
6.5	Column in Superstructure, Beam (GF)	11.17	Cum	10866.20	121375.45
6.6	Column in Superstructure, Beam (FF)	2.97	Cum	12097.00	35928.09
6.7	Roof slab (GF)	16.77	Cum	9313.40	156185.72
6.8	Roof slab (FF)	2.21	Cum	10233.40	22615.81
6.9	Staircase	2.10	Cum	10404.40	21849.24
7	Providing M.S. reinforcement for R.C.C. 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 steels as per the direction of Engineer-in-charge.				

7.1	Ground Floor	69.75	Qntl	7476.20	521464.95
7.2	First Floor	6.30	Qntl	7499.40	47246.22
8	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 2 percent in cement mortar (1:6) in Foundation&Plinth including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of Engineer-in-charge.	29.87	Cum	4211.30	125791.53
9	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 2 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 Engineer-in-charge.				
9.1	Ground Floor	49.87	Cum	4244.30	211663.24
9.2	First Floor	15.13	Cum	4546.40	68787.03
10	Supplying M.S Door 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 as per the direction of Engineer-in-charge.	344.75	Kgs	72.00	24822.00
11	Supplying M.S Window 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 as per the direction of Engineer-in-charge.	520.00	Kgs	76.00	39520.00
12	Labour charge for fitting ,fixing of M.S door,window, grill , Gate including all cost etc complete as per the direction of Engineer-in-charge.	16.50	Sqm	68.10	1123.65
13	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 Engineer-in-charge.				
13.1	Ground Floor	227.87	Sqm	134.70	30694.09
13.2	First Floor	92.91	Sqm	137.90	12812.29
14	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 Engineer-in-charge.				
14.1	Ground Floor	401.03	Sqm	192.30	77118.07
14.2	First Floor	70.96	Sqm	197.10	13986.22
15	Supplying, fitting and fixing Vetrified tile in floors treads or steps and landing on 20mm thick cement mortar (1:4) 1cement: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 Engineer-in-charge.	130.54	Sqm	1293.60	168866.54

16	Supplying, fitting and fixing Glazed tile in floors treads or steps and landing on 20mm thick cement mortar (1:4) 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 Engineer-in-charge.	3.95	Sqm	1028.40	4062.18
17	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 shade of the tiles including all costs complete as per the direction of Engineer-in-charge.	181.80	Sqm	736.90	133968.42
18	Providing fitting, fixing of Aluminium door with anodized Al. door section of 9202 as vertical member, 9201 as top, 9200 as bottom and middle member with frame section as 9221with tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1855 including all cost of labour, T&P, hire charges of drilling machine, labour charges etc. complete excluding cost of laminated board.	269.68	Kgs	460.90	124295.51
19	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-in-charge.	83.20	Kgs	602.10	50094.72
20	Providing and fitting of glass pane (6 mm thick black Glass) for slinding windows and ventilators including cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.	9.67	Sqm	840.50	8127.64
21	Providing and fitting of (12 mm thick) Pre-laminated Board Standard Type (ISI) in Aluminium frame of doors including cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.	20.24	Sqm	744.80	15074.75
22	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.	41.95	Sqm	133.00	5579.35
23	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 as per the direction of Engineer-in-charge.				
23.1	Ground Floor	114.74	Sqm	301.70	34617.06
23.2	First Floor	17.66	Sqm	329.00	5810.14
24	Finishing plastered surface of wall surface with Acrylic wall putty (Water based) & making smooth to recive painting including cost of scaffolding etc. with cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.				

24.1	Ground Floor	340.44	Sqm	90.60	30843.86
24.2	First Floor	46.31	Sqm	91.90	4255.89
25	Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete as per the direction of Engineer-in-charge.				
25.1	Ground Floor	340.44	Sqm	57.90	19711.48
25.2	First Floor	46.31	Sqm	59.30	2746.18
26	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. as per direction of Engineer-in-charge.				
26.1	Ground Floor	340.44	Sqm	63.00	21447.72
26.2	First Floor	46.31	Sqm	64.50	2987.00
27	Finishing to the exposed surfaces of wall with weather coat 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 as per the direction of Engineer-in-charge.				
27.1	Ground Floor	227.87	Sqm	128.60	29304.08
27.2	First Floor	92.91	Sqm	133.50	12403.49
28	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect as per the direction of Engineer-in-charge.	115.29	Kgs	333.50	38449.22
	P.H work				
29	Supplying all labour, T&P for earth work in excavation in all kinds of soil within initial lead of 50m and 1.50m initial lift including rough dressing and breaking clods to minimum 5cm to 7 cm and laying in layers not exceeding 0.30cm in depth as per specification complete as per the direction of Engineer-in-charge.	8.55	Cum	356.50	3048.08
30	Supplying all materials, labour, T&P for 12mm thick cement plaster (1:4) over brick work including cement punning including cost all taxes, royalty of all materials, curing and conveyance of materials to the work site etc. all complete as per the direction of Engineer-in-charge.	28.20	Sqm	193.20	5448.24
31	Construction of 1.20 m dia and 2.00 m deep soak pit as per the direction of Engineer-in-charge.	3.00	Nos	20214.80	60644.40
32	Construction of Inspection Chamber of Inside size 0.60 m x 0.60 m x 0.60 m deep with RCC Cover slab as per the direction of Engineer-in-charge.	4.00	Nos	6938.20	27752.80
33	Fixing water closet Porcelain pan (Indian type W.C pan) conforming to IS 2556:Part 3-2004 duly embedded in cement concrete 1:4:8 (using hbg metal 4 cm size) all complete as per PH specification as per the direction of Engineer-in-charge.				

33.1	580 x440mm size Orissa Pan (White)	2.00	Nos	5234.10	10468.20
34	Providing and Fixing PVC Low level flushing cistern with manually controlled device (hand lever) confirming to IS: 7231,with all fittings and fixtures etc, all complete as per specification as per the direction of Engineer-in-charge.				
34.1	10.00 ltrs capacity Low level flushing cistern-White	2.00	Nos	1697.80	3395.60
35	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright confirming to IS:781-1995 of the following nominal sizes as per specification complete as per the direction of Engineer-in-charge.				
35.1	15 mm dia C.P. Brass Short Body Bib Cock	5.00	Nos	672.10	3360.50
35.2	15 mm dia two way Bib Cock	2.00	Nos	1853.60	3707.20
35.3	15 mm diameter long handle elbow operated bib cock	2.00	Nos	1482.50	2965.00
35.4	15 mm diameter Pillar cock	2.00	Nos	696.90	1393.80
36	Fixing standard size chromium plated brass towel rail complete with chromium plated brass brackets fixed to wooden plugs with C.P.Brass screws complete as per specification.				
36.1	20mm x 600 mm long CP towel rail	2.00	Nos	829.90	1659.80
37	Fixing standard sized chromium plated brass towel ring fixed to wooden plugs with C.P.Brass screws complete as per specification.	2.00	Nos	574.50	1149.00
38	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 specification complete.				
38.1	15 mm dia Brass Screw- down Stop Cock	4.00	Nos	656.00	2624.00
38.2	125mm CP grating	6.00	Nos	72.90	437.40
39	Fixing bevelled edge mirror of superior glass mounted on 6mm thick AC sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screw & washers complete as per specification.				
39.1	600mm Bath room mirror	2.00	Nos	1675.20	3350.40
40	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 specification.				
40.1	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	2.00	Nos	2897.30	5794.60
41	Supplying all materials, labour, T&P and fixing kitchen sink with hole for pillar taps with C.I/M.S brackets painted white including holes in walls and making good the damages etc all complete as per PH specification as per the direction of Engineer-in-charge.				
41.1	Porcelain sink 510mm x 600mm x 225mm	1.00	Nos	5435.50	5435.50

42	Fixing Rational moulded Polyethylene cylindrical vertical water storage tanks conforming to IS:12701--1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra socket ,jam nut, fixing ball valves etc including hoisting upto a height of 5 mtr above ground level and placing the tank to the required position etc all complete as per specification and direction of Engineer-in- Charge.				
42.1	1000 litres capacity PVC water storage tank	1.00	Nos	19119.50	19119.50
43	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming to IS: 15778 having thermal stability for hot & cold water supply, including all CPVC plain & brass threader fittings, fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints etc as per direction of Engineer in Charge.				
43.1	25 mm nominal outer dia pipe	20.00	Mtrs	265.50	5310.00
44	Providing and fixing to wall or celing 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 ,celling & floor etc complete as per specification as per direction of Engineer in Charge.				
44.1	15 mm nominal outer dia pipe	24.00	Mtrs	171.40	4113.60
44.2	25 mm nominal outer dia pipe	30.00	Mtrs	302.00	9060.00
45	Fixing of UPVC Ball Valve (Horizontal plunger type) conforming to IS: 1703-1977 as per specification & direction of Engineer-in-charge				
45.1	25 mm dia	4.00	Nos	624.50	2498.00
46	Providing and laying in trenches PVC pipe (4Kg/cm2) as sewer line and alinging 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 charge.				
46.1	75 mm PVC Pipe	15.00	Mtrs	843.90	12658.50
46.2	110 mm PVC Pipe	15.00	Mtrs	885.10	13276.50
47	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.				

47.1	110 mm U-PVC Pipe	8.00	Mtrs	284.20	2273.60
47.2	110 mm U-PVC 'P' trap	2.00	Each	294.20	588.40
47.3	110 mm U-PVC door bend	2.00	Each	302.10	604.20
47.4	110 mm U-PVC Plain bend	10.00	Each	287.10	2871.00
47.5	110 mm U-PVC Cowl	2.00	Each	77.30	154.60
47.6	110 mm U-PVC Coupler	8.00	Each	130.30	1042.40
47.7	75 mm U-PVC door bend	4.00	Each	207.90	831.60
47.8	75 mm U-PVC Plain bend	8.00	Each	163.80	1310.40
47.9	75 mm U-PVC Coupler	8.00	Each	97.60	780.80
48	Fixing 15 mm dia PVC inlet connection pipe and making connection with pillar cocks and supply main for wash basin complete as per specification. & direction of Engineer-in-charge.				
48.1	15mm dia	6.00	Nos	195.40	1172.40
49	Fixing PVC Waste Pipe of the following diameter for sink or wash basin including brass check nut complete as per specification & direction of Engineer-in-charge.				
49.1	32mm dia	6.00	Nos	174.50	1047.00
50	Fixing chromium plated Brass waste of the following nominal diameter for wash basin and sink as per specification & direction of Engineer-in-charge.				
50.1	32mm dia	3.00	Nos	409.70	1229.10
51	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.				
51.1	250 mm thick wall	18.00	Nos	49.60	892.80
51.2	375 mm thick wall	10.00	Nos	74.30	743.00
52	Cutting groves in pucca floor and walls for taking G.I/PVC pipes and making good the damages as per specification etc all complete as per the direction of Engineer-in-charge.	30.00	Mtrs	182.90	5487.00
EI Work					
53	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.				
53.1	Group (A)	30.00	Nos	584.20	17526.00
53.2	Group (B)	20.00	Nos	690.00	13800.00
53.3	Group (C)	25.00	Nos	829.00	20725.00

54	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.				
54.1	On existing board	10.00	Nos	212.00	2120.00
55	Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required (15/16A) as per direction of Engineer in Charge.	6.00	Nos	642.00	3852.00
55.1	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	25.00	Nos	43.00	1075.00
56	Supply, Installation, Testing, and Commissioning of 32 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.	1.00	Nos	2450.00	2450.00
57	Installation, Testing and Commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor,earthing the regulator as required as required as per direction of Engineer in Charge.	7.00	Nos	71.60	501.20
58	Installation, Testing and Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multiatrand copper conductor etc as required as per direction of Engineer in Charge.	7.00	Nos	80.00	560.00
59	Installation, testing and commissioning of exhaust fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage complete, connection, etc as required as required as per direction of Engineer in Charge.	2.00	Nos	419.00	838.00
60	Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface /recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc as required as per direction of Engineer in Charge.	2.00	Nos	1493.90	2987.80
61	Earthing with G.I earth pipe 3 meter long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangment and watering pipe etc with charcoal and salt as required as per direction of Engineer in Charge.	1.00	Nos	2755.70	2755.70
62	Recessed wiring to submain in 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked as per direction conforming to IS-694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm thick along with 1 x 1.5sq.mm FR PVC insulated single core multistrand copper conductor as earthwire as required of Engineer in Charge.	90.00	Mtrs	101.00	9090.00
63	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.	140.00	Mtrs	115.00	16100.00

64	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 4.0 sqmm) as per direction of Engineer in Charge.	80.00	Mtrs	132.00	10560.00
65	Supply and Fixing of LED Bulb 12W	25.00	Nos	190.00	4750.00
66	Supply and Fixing of Ceiling Fan 1200mm blade	7.00	Nos	2080.00	14560.00
67	Supply and Fixing of Exhaust Fan 300mm	2.00	Nos	1908.00	3816.00
Total 67 (Sixty Seven) items		Total Estimated Cost		3,145,212.00 (Rupees Thirty One Lakh Fourty Five Thousand Two Hundred Twelve) 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 :- 67 (Sixty Seven) Items only

No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for 67 (Sixty Seven) Items only

Full signature of the Contractor with date.

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