

## Bill of Quantity (BOQ)

**Establishment of Dialysis Unit in Bonai SDH of Bonai Block for the year 2023-24 under DMF Fund.**

Sl. No	Item	Quantity	Unit	Rate	Amount
1	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.	3.93	Cum	206.80	812.73
2	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.	3.02	Cum	518.40	1565.57
3	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.	1.42	Cum	5355.40	7604.67
4	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.	0.82	Cum	6747.20	5532.71
5	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm <sup>2</sup> with dimensional tolerance $\pm 2$ 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.	1.91	Cum	4900.60	9360.15
6	Supplying M.S Window grill 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.	218.14	Kgs	76.76	16744.43
7	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.	6.69	Sqm	148.30	992.13
8	Supplying, fitting and fixing Glazed tile in floors treads or steps and landing on 20mm 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 Engineer-in-charge.	4.65	Sqm	851.30	3958.55
9	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.	99.63	Sqm	908.20	90483.97

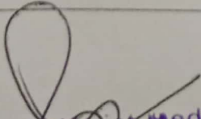
Chief District Engineer  
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10	Providing fitting, fixing of Aluminium door with anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member with frame section as 9221 by means of tapered clip No. 4660 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 as per the direction of Engineer-in-charge.	47.25	Kgs	562.00	26554.50
11	Providing, fitting and fixing up partition walling aluminium anodized section No. 9210 and 9207 as single groove and double groove respectively as horizontal and vertical member and section 4660 as tapered clip and jointing angle No. 1855 etc. as per direction of Engineer-in-charge excluding cost of laminated board.	100.36	Kgs	574.00	57609.28
12	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.	18.95	Sqm	866.90	16427.75
13	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 5mm thick black glass as panel fitted 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.	15.42	Kgs	715.10	11026.89
14	Providing and fitting of glass pane (6 mm thick black Glass) for sliding windows and ventilators including cost of all materials, labour T&P etc complete as per the direction of Engineer in charge.	3.16	Sqm	1077.70	3405.37
15	Supplying, fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.	6.04	Sqm	4960.97	29964.25
16	Supplying, fitting and fixing of openable UPVC doors with door frame of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures	7.35	Sqm	8682.12	63813.58
17	Supplying, fitting fixing fully glazed aluminium framed fixed windows using 15 micron anodized aluminum section, 4124 as a shutter section frame with tapered clip of section 4125, aluminum angle, rubber beading, etc excluding cost of glass as directed by EIC.	18.64	Kgs	646.60	12054.64
18	Providing and fitting of glass pane (6 mm thick Plain Glass) for sliding windows and ventilators including cost of all materials, labour T&P etc complete as per the direction of Engineer in charge.	11.84	Sqm	859.70	10177.37
19	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. (Ground Floor).	106.50	Sqm	72.40	7710.60
	(First Floor)	100.59	Sqm	74.10	7453.71


Chief District  
& Public Health Officer  
Sundargarh



20	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.	6.45	Kgs	335.80	2165.91
21	Supplying, fitting & fixing of PPGL sheet in roof including fixing of ridges wind ties etc. complete but excluding cost of fitting including drilling holes in wind ties as per the direction of Engineer in Charge.	33.46	Sqm	785.70	26289.52
22	Fixing Wash down water closet ( European type W.C ) with integral ' S ' or 'P' trap conforming to IS 2556:Part 8-2004 to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1: 1) etc all complete as per specification as per the direction of Engineer-in-charge.				
	White vitreous china Wash down water closet (EWC)	1.00	Nos	5234.10	5234.10
23	Providing and Fixing PVC Low level flushing cistern with manually controlled device ( hand lever) conforming to IS: 7231,with all fittings and fixtures etc, all complete as per the direction of Engineer-in-charge.				
	10.00 ltrs capacity Low level flushing cistern-White	2.00	Nos	1786.00	3572.00
24	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright conforming to IS:781-1995 of the following nominal sizes as per the direction of Engineer-in-charge.				
i	15 mm dia C.P. Brass Long Body Bib Cock (Jaguar make)	2.00	Nos	1033.50	2067.00
ii	15 mm diameter long handle elbow operated bib cock	2.00	Nos	1482.50	2965.00
iii	15 mm diameter Pillar cock	1.00	Nos	696.90	696.90
iv	Health Faucet with CP tube	1.00	Nos	1582.80	1582.80
25	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 the direction of Engineer-in-charge.				
i	15 mm dia Brass Screw- down Stop Cock	3.00	Nos	656.00	1968.00
ii	125mm CP grating	2.00	Nos	72.90	145.80
26	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 the direction of Engineer-in-charge.				
	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	1.00	Nos	2897.30	2897.30

  
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27	Supplying all materials, labour, T&P and fixing of Stainless steel kitchen sink with cast iron or MS bracket painted with ..... as per specification.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.				
i	sink 600mm x 450mm x 300mm	1.00	Nos	2544.70	2544.70
28	Fixing Rational moulded Polythylene cylindrical vertical water storage tanks confirming 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.				
i	2000 litres capacity PVC water storage tank	1.00	Nos	30300.00	30300.00
29	Providing and fixing to wall or celing 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 ,celling & floor etc complete as per specification as per direction of Engineer in Charge.				
i	20 mm nominal outer dia pipe	12.00	Mtrs	227.10	2725.20
30	Fixing of UPVC Ball Valve (Horizontal plunger type) confirming to IS: 1703-1977 as per specification & direction of Engineer-in-charge				
i	25 mm dia	1.00	Nos	624.50	624.50
31	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.				
i	75 mm PVC Pipe	3.00	Mtrs	843.90	2531.70
ii	110 mm PVC Pipe	2.00	Mtrs	885.10	1770.20
32	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				
i	110 mm U-PVC 'P' trap	2.00	Each	294.20	588.40
ii	110 mm U-PVC door bend	2.00	Each	302.10	604.20
iii	75 mm U-PVC door bend	2.00	Each	207.90	415.80
iv	75 mm U-PVC Plain bend	2.00	Each	163.80	327.60

  
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v	75 mm U-PVC Coupler	2.00	Each	97.60	195.20
33	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 as per the direction of Engineer-in-charge.				
i	600mm x 450mm Bath room mirror	3.00	Nos	1658.60	4975.80
34	Fixing standard sized chromium plated brass towel ring fixed to wooden plugs with C.P.Brass screws complete as per specification as per the direction of Engineer-in-charge.	2.00	Nos	566.00	1132.00
35	Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC S.C. Cu wire & 1.5 mm <sup>2</sup> S.C. Cu FR wire as running earth in 20mm non metallic PVC flexible pipe with 5A modular type switch & c.rose mounted on MS box with front bakelite cover including all accessories and connection as per direction of Engineer in Charge.				
	Group (A)	2.00	Nos	546.00	1092.00
	Group (B)	0.00	Nos	770.00	0.00
	Group (C)	0.00	Nos	1051.00	0.00
36	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				
	On existing board	12.00	Nos	262.00	3144.00
37	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.	10.00	Nos	625.00	6250.00
38	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	4.00	Nos	60.00	240.00
39	Supplying and fixing of 1200mm AC Wall fans complete	12.00	Nos	2500.00	30000.00
40	Supplying and fixing of 1200mm AC Ceiling fans complete	2.00	Nos	2310.00	4620.00
41	Supplying and fixing of 5 step electronic fan regulator complete	2.00	Nos	540.00	1080.00
42	Supplying and fixing of 48" exhaust fan	1.00	Nos	3850.00	3850.00
43	Recessed wiring to submain of following sizes of PVC S.C Cu. Wire -do-				
	2x1.5mm <sup>2</sup> + 1x1.5mm <sup>2</sup>	15.00	Mtrs	130.00	1950.00
	2x2.5mm <sup>2</sup> + 1x1.5mm <sup>2</sup>	15.00	Mtrs	144.00	2160.00
	2x4.0mm <sup>2</sup> + 1x2.5mm <sup>2</sup>	10.00	Mtrs	161.00	1610.00
44	Supply and Fixing of LED Bulb 9W	7.00	Nos	120.00	840.00
45	Supply and Fixing of Superior type call bell	2.00	Nos	150.00	300.00

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46	Supply OF 40KVA 3 PHASE Silent type DG set with AMF panel comprising of Mahindra make engine Model 4575 TCIGM C-2, 57 BHP , 1500 RPM, Coupled to 40 kva Leroy somer/ Mahindra approved make 3 phase 415V, 50Hz alternator mounted on a common base frame along with other accessories i.e Fuel tank, AMF pANEL, BATTERY WITH LEADS AND ACOUSTIC ENCLOSURE	1.00	Set	474980.00	474980.00
47	Installation,Power cable, earthing, unloading and Service charges etc	1.00	set	97000.00	97000.00
48	Supply and making end termination with brass compression gland and aluminium logs for following size of PVC insulated and PVC sheathed / XLPE aluminium cable of 1.1kv grade (without cost of cable as required.				
	3 1/2 X 50sqmm	2.00	Set	327.94	655.88
49	3 1/2 X 50 MM2 Aluminium armoured cable(RR/Mescab/KEI)	201.00	mtr	367.88	73943.88
50	Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 25 mmsq but not exceeding 120 mmsq on surface as required	200.00	Mtr	117.02	23403.66
				Rs.=	1208691.90
				Say Rs.=	1208692.00
	<b>Total 50 (Fifty) items</b>		<b>Total Estimated Cost Rs.=</b>	<b>( Rupees Twelve Lakhs Eight Thousand Six Hundred Ninty Two) Only.</b>	

My quoted rate is ..... % ( both in figure & word ) Excess over / Less than / Equal to the 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 :-50(Fifty) Items only

No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for 50 (Fifty) Items only

Full signature of the Contractor with date.

CHIEF DISTRICT MEDICAL & PUBLIC  
HEALTH OFFICER  
CUM

DISTRICT MISSION DIRECTOR  
SUNDARGARH

Chief District Medical  
& Public Health Officer  
Sundargarh

