

Bill of Quantity (BOQ)

Repair & Renovation of Jarangloi PHC of Bargaon block under DMF fund for NQAS for the year 2022-23					
Sl. No	Item	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation hard soil or gavelly soil including dressing and levelling the bed within initial leads and lifts as per direction of Engineer-in-charge.	6.85	Cum	199.60	1367.26
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost of all materials, T&P etc complete as per direction of Engineer-in-charge.	15.68	Cum	465.20	7294.34
3	Cement Concrete (1:3:6) using 40mm size hard granite C.B metal including hoisting laying using concrete mixture and vibrators including cost of all materials labour T.&P. etc complete as per direction of Engineer-in-charge.	3.44	Cum	4815.00	16563.60
4	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm2 with dimensional tolerance ± 2 percent in cement mortar (1:6) in Foundation and Plinth including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per direction of Engineer-in-charge.	6.08	Cum	4231.90	25729.95
5	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm2 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 direction of Engineer-in-charge.	9.99	Cum	4264.90	42606.35
6	Hoisting joists and trusses and placing in position including cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per direction of Engineer-in-charge.	16.21	Qntl	10307.00	167076.47
7	Providing, 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.	88.08	Sqm	975.80	85948.46
8	12mm thick Cement Plaster in cement mortar (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.	41.90	Sqm	143.40	6008.46
9	16mm thick Cement Plaster in cement mortar (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.	53.94	Sqm	205.30	11073.88

10	Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50 M lead as per the direction of Engineer-in-charge.	18.00	Sqm	618.80	11138.40
11	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 9221 with 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 as per direction of Engineer-in-charge.	56.23	Kgs	468.80	26360.62
12	Cement Concrete (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 direction of Engineer-in-charge.	7.11	Cum	6143.60	43681.00
13	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 32 mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-charge.	59.20	Kgs	335.10	19837.92
14	Supplying, fitting and fixing Glazed tile in floors treads or steps and landing laid on 25mm thick cement mortar (1:1) 1 cement:1 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.	11.70	Sqm	881.30	10311.21
15	Supplying, fitting, fixing of 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 direction of Engineer-in-charge.	39.67	Sqm	753.30	29883.41
16	Providing and fitting of ACP sheet in aluminium frame of doors, windows & ventilatos etc including cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.	5.23	Sqm	744.80	3895.30
17	Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete as per the direction of Engineer-in charge.	56.17	Sqm	61.00	3426.37

18	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 the direction of Engineer-in charge.	53.94	Sqm	66.30	3576.22
19	Finishing to the exposed surfaces of wall with weather coat of any approved shade on new work 2 coats to give an even shade over one coat of wall primer including cost of weather coat all cost of all labours and T&P etc. complete as per direction of Engineer-in-charge.	41.90	Sqm	135.10	5660.69
20	Supplying, fitting, fixing of rectangular road signboard made out of 3mm thick Aluminium Composite Material (ACM) sheet duly coated one side loaded with pressure sensitive encapsulated lens type high intensive grade retro-reflective sheeting complete as per MoRTH technical specification clause 801.3 and IRC -67/2001 with Railing 50 mm outer dia of 2 mm thick fixed with single angle iron post as per specification including application of two coats of enamel paint of approved quality in tr form of checks white and black over the posts, fixed with C.C (1:2:4) cement concrete base of 300mm Dia 600mm depth size of each post post as per approved drawing including cost, conveyance, royalty & taxes of all materials, labour, T&P etc, complete as per the direction of Engineer-in-charge. (For Citizen charter & service provision chart)	3.00	Nos	30121.80	90365.40
P.H Work					
21	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.	5.28	Cum	199.60	1053.89
22	Supplying all materials,labour,T&P for filling in foundation and plinth with sand well watered and rammed including cost, all taxes & royalty of all materials and conveyance of all materials to work site etc. complete as per the direction of Engineer-in-charge.	0.35	Cum	465.20	162.82
23	Supplying all materials,labour,T&P for cement concrete(1:3:6) with 4cm.hard granite metal including cost, all taxes & royalty of all materials,curing and conveyance of materials to the work site etc.complete as per the direction of Engineer-in-charge.	0.35	Cum	4815.00	1685.25
24	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 and 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 E.I.C.	2.07	Cum	4231.90	8760.03

25	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.	17.50	Sqm	205.30	3592.75
26	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.	0.38	Cum	9313.10	3538.98
27	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 steel as per the direction of Engineer-in-charge.	0.23	Qntl	9219.40	2120.46
28	Construction of 1.20 m dia and 1.8 m deep soak pit as per the direction of Engineer-in-charge.	2.00	Nos	14140.00	28280.00
29	Fixing Wash down water closet (European type W.C) with cover including intigral ' S ' or ' P ' trap confirming 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 spcification as per the direction of Engineer-in-charge.				
29.01	European water closet with 'p' trap plain (Hindware / Parryware / Neycer make)	2.00	Nos	5234.10	10468.20
30	Fixing water closet Porcelain pan (Indian type W.C pan) confirming to IS 2556:Part 3-2004 duly embeded 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.				
30.01	580 x440mm size Orissa Pan (White)	1.00	Nos	2797.80	2797.80
31	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.				
31.01	10.00 ltrs capacity Low level flushing cistern-White (Hindware / Parryware make)	2.00	Nos	1697.80	3395.60
32	Fixing bowl pattern urinal confirming to IS:2556:Part 6-1996 including connecting the urinal 580x380x350mm with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification as per the direction of Engineer-in-charge.				
32.01	Vitreous China - Flat Back Urinal of 580x380x350mm size	1.00	Nos	3246.30	3246.30

33	Fixing glazed earthenware squatting plate urinal of size 600 mm x 350 mm confirming to IS 2556:Part 6- 1995 with intigral longitudinal flushing pipe including embedding the plate in 25 mm cement mortar (1:8) laid over 150 mm cement concrete (1:4:8) using 40 mm size chbg metal etc complete as per specification as per the direction of Engineer-in-charge.				
33.01	One seated Urinal 1mx 0.50mx0.15m size	1.00	Nos	2024.60	2024.60
34	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.				
34.01	15 mm dia C.P. Brass Long Body Bib Cock	4.00	Nos	680.00	2720.00
34.02	Health Faucet with CP tube	2.00	Nos	1582.80	3165.60
35	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 as per the direction of Engineer-in-charge.				
35.01	15 mm dia Brass Screw- down Stop Cock (Jaguar make)	6.00	Nos	721.60	4329.60
35.02	125mm CP grating	4.00	Nos	72.90	291.60
36	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.				
36.01	25 mm nominal outer dia pipe	70.00	Mtrs	305.00	21350.00
37	Fixing of UPVC Ball Valve (Horizontal plunger type) confirming to IS: 1703-1977 as per specification & direction of Engineer-in-charge				
37.01	25 mm dia	1.00	Nos	624.50	624.50
38	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.				
38.01	75 mm PVC Pipe	4.00	Mtrs	843.90	3375.60
38.02	110 mm PVC Pipe	4.00	Mtrs	885.10	3540.40

39	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.				
39.01	110 mm U-PVC Pipe	4.00	Mtrs	284.20	1136.80
39.02	110 mm U-PVC 'P' trap	3.00	Each	294.20	882.60
39.03	110 mm U-PVC door bend	3.00	Each	302.10	906.30
39.04	110 mm U-PVC Plain bend	4.00	Each	287.10	1148.40
39.05	110 mm U-PVC Cowl	3.00	Each	77.30	231.90
39.06	110 mm U-PVC Coupler	2.00	Each	130.30	260.60
39.07	75 mm U-PVC door bend	3.00	Each	207.90	623.70
39.08	75 mm U-PVC Plain bend	2.00	Each	163.80	327.60
39.09	75 mm U-PVC Coupler	2.00	Each	97.60	195.20
40	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.				
40.01	15mm dia	5.00	Nos	195.40	977.00
41	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.				
41.01	250 mm thick wall	6.00	Nos	49.60	297.60
42	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.	4.00	Mtrs	182.90	731.60
	EI Work				
43	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 ² 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.				
43.01	Group (B)	8.00	Nos	770.00	6160.00
44	Supplying and fixing batten holder / BK angle / Ceiling rose holder ISI marked including connection etc as required as per direction of Engineer in Charge.	6.00	Nos	60.00	360.00

45	Recessed wiring to submain of following sizes of PVC S.C Cu. Wire -do-				
45.01	2x1.5mm2 + 1x1.5mm2	80.00	Mtrs	130.00	10400.00
46	Supply and Fixing of LED Bulb 15W	5.00	Nos	280.00	1400.00
47	Supply and Fixing of Exhaust Fan	3.00	Nos	1908.00	5724.00
	GST as applicable				
	Total 47 items	Total Estimated Cost		754,092.00	
				(Rupees Seven Lakh Fifty Four Thousand Ninty 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 :- 47 (Forty Seven) Items only

No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for 47 (Forty Seven) Items only

Full signature of the Contractor with date.

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