

## Bill of Quantity (BOQ)

### Repair & Renovation of Balisankara PHC (N) of Balisankara block under DMF for NQAS for the year 2022-23

Sl. No	Item	Quantity	Unit	Rate	Amount
1	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.	1.41	Cum	618.80	872.51
2	Dismantling and removing R.C.C. columns beams slab staircase landing lintels including stacking the useful materials for reuse and removing the debris within 50m lead	4.43	Cum	1230.00	5448.90
3	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 as per direction of Engineer-in-charge.	11.92	Cum	199.60	2379.23
4	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.	3.08	Cum	323.00	994.84
5	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.	4.70	Cum	5017.60	23582.72
6	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.	6.72	Cum	6347.60	42655.87
7	R.C.C. M-20 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.				
7.1	Precast slab	0.09	Cum	11200.00	1008.00
8	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 direction of Engineer-in-charge.	0.09	Qntl	10106.80	909.61
9	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 the direction of E.I.C.	10.39	Qntl	11434.10	118800.30
10	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 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-	6.16	Cum	4175.20	25719.23

11	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 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.	4.36	Cum	4208.20	18347.75
12	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	311.56	Kgs	335.10	104403.76
13	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.	52.97	Sqm	141.70	7505.85
14	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.	13.99	Sqm	203.30	2844.17
15	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.	66.96	Sqm	135.10	9046.30
16	Supplying, fitting and fixing Glazed tile in floors treads or steps and landing of size 30cmx30cm / 40cm x 40cm (special plain/printed series ceramic wall tiles) of approved make conforming to IS 13755 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	7.38	Sqm	692.10	5107.70
17	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	7.45	Sqm	758.30	5649.34
18	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778as 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.	180.02	Kgs	618.10	111270.36
19	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,	81.79	Kgs	468.80	38343.15

20	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 excluding cost of laminated board as per direction of Engineer-in-charge.	84.99	Kgs	479.10	40718.71
21	Providing and fitting of (12 mm thick) Pre-laminated Board Standard Type (ISI) 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.	12.15	Sqm	744.80	9049.32
22	Providing and fitting of glass pane (6mm 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	27.74	Sqm	423.00	11734.02
23	Providing and fitting of zinc coated wire mesh for windows, door and ventilators including cost of all materials, labour T&P etc. complete as per direction of Engineer-in-charge.	15.39	Sqm	372.20	5728.16
24	Providing and fixing of wall case/wall almirah made with BWR ply wood (ISI) with laminate both side including all type of fittings such as hangle, lock magnet, chain, channel, screw, blot & nuts etc. jointing finishing to a flush bonded with adhesive etc. complete as per direction	6.12	Sqm	14897.70	91173.92
25	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.	2.00	Nos	6938.20	13876.40
26	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright confirming to IS:781-1995 of the following nominal sizes as per the direction of Engineer-in-charge.				
26.1	15 mm diameter long handle elbow operated bib cock	2.00	Nos	1482.50	2965.00
26.2	15 mm diameter Pillar cock	3.00	Nos	696.90	2090.70
26.3	15 mm dia Brass Screw- down Stop Cock	1.00	Nos	656.00	656.00
27	Fixing Wash down water closet ( European type W.C ) with 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 specification				
27.1	White vitreous china Wash down water closet (EWC)	1.00	Nos	5234.10	5234.10
28	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.				
28.1	25 mm nominal outer dia pipe	20.25	Mtrs	305.00	6176.25
29	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.				
29.1	10.00 ltrs capacity Low level flushing cistern-White	1.00	Mtrs	1697.80	1697.80
30	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				
30.1	75 mm PVC Pipe	3.00	Mtrs	843.90	2531.70

30.2	110 mm PVC Pipe	3.00	Mtrs	885.10	2655.30
31	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				
31.1	110 mm U-PVC Pipe	2.00	Mtrs	284.20	568.40
31.2	110 mm U-PVC 'P' trap	1.00	Each	294.20	294.20
31.3	110 mm U-PVC door bend	1.00	Each	302.10	302.10
31.4	110 mm U-PVC Plain bend	2.00	Each	287.10	574.20
31.5	110 mm U-PVC Cowl	1.00	Each	77.30	77.30
31.6	110 mm U-PVC Coupler	2.00	Each	130.30	260.60
31.7	75 mm U-PVC door bend	1.00	Each	207.90	207.90
31.8	75 mm U-PVC Plain bend	2.00	Each	163.80	327.60
31.9	75 mm U-PVC Coupler	2.00	Each	97.60	195.20
32	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 switch & c.rose mounted on MS box with front bakelite cover including all accessories and connection as per direction of				
32.1	Group (A)	8.00	Nos	584.20	4673.60
32.2	Group (B)	5.00	Nos	690.00	3450.00
32.3	Group (C)	8.00	Nos	829.00	6632.00
33	S/F of 18" Exhaust Fan	1.00	Nos	3850.00	3850.00
34	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.	8.00	Nos	642.00	5136.00
35	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.	1.00	Nos	1493.90	1493.90
36	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.	40.00	Mtrs	139.00	5560.00
37	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

<b>38</b>	GST as applicable		
	<b>Total 38 items</b>	<b>Total Estimated Cost</b>	<b>845,145.00</b> Rupees (Eight Laks Fourty Five Thousand One Hunhred Fourty Five) 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 :- 38 (Thirty Eight) Items only**

**No. of correction :-**

**No.of overwriting :-**

**No. of Interpolation :-**

**Approved for 38 (Thirty Eight) Items only**

Full signature of the Contractor with date.

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