

Bill of Quantity

Upgradation of Malidihi PHC for NQAS of Rajgangpur block for the year 2024-25 (Under DMF)

Sl. No	Item	Quantity	Unit	Rate	Amount
1	Dismantling and removing 2.5 cm. thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead as per direction of Engineer-in-charge.	417.74	Sqm	126.50	52844.11
2	Dismantling and removing old tiled wall including racking out joints 12mm deep and stacking the useful materials for reuse and removing the debris within 50m lead as per direction of Engineer-in-charge.	26.72	Sqm	73.10	1953.23
3	Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges as per direction of Engineer-in-charge.	738.04	Sqm	5.20	3837.81
4	20mm thick grading plaster (1:4) in finished smooth over roof slab after cleaning the surface including watering, curing complete with cost, conveyance, royalties and taxes of all materials and cost of all labour, T&P required for the work etc complete as directed by the Engineer-in-charge.	417.74	Sqm	440.80	184139.79
5	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.	1.01	Cum	269.70	272.40
6	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.	2.14	Cum	805.30	1723.34
7	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.	1.02	Cum	5854.00	5971.08
8	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.	1.12	Cum	7445.60	8339.07
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 F&P 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.	0.53	Cum	5712.00	3027.36

10	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 direction of Engineer-in-charge.	0.28	Cum	5745.00	1608.60
11	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.	0.63	Qntl	10793.10	6799.65
12	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.	10.14	Sqm	187.20	1898.21
13	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.	26.72	Sqm	269.80	7209.06
14	Providing and fixing of design table with Cupboard consisting of BWR ply wood (ISI) with decorative laminate including all type of fittings such as handle, locks & nuts etc and jointing, finishing to a flush finish bonded with adhesive etc complete as per direction of the Engineer-in-charge.	1.13	Sqm	31096.00	35138.48
15	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 as per direction of Engineer-in-charge.	31.81	Kgs	624.30	19858.98
16	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 the direction of Engineer-in-charge.	41.95	Kgs	596.90	25039.96
17	Providing and fitting of ACP sheet (5mm thick) 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.	9.33	Sqm	908.20	8473.51
18	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.	13.50	Kgs	342.40	4622.40

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.	774.90	Sqm	174.70	135375.03
20	Finishing plastered surface of wall surface with Acrylic wall putty (Water based) & making smooth to receive painting including cost of scaffolding etc. with cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.	137.26	Sqm	108.80	14933.89
21	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.	320.05	Sqm	86.30	27620.32
22	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.	4.41	Sqm	828.20	3652.36
23	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 as per direction of Engineer-in-charge.	16.45	Kgs	596.90	9819.01
24	Providing and fitting of 5mm thick 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.	1.64	Sqm	810.60	1329.38
25	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. complete as per direction of Engineer-in-charge.	85.37	Kgs	785.30	67041.06
26	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.	32.40	Sqm	372.20	12059.28
27	Supplying, fitting and fixing Glazed 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.	2.40	Sqm	918.20	2203.68

28	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.	8.47	Sqm	991.80	8400.55
29	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 the direction of Engineer-in-charge.				
29.01	White vitreous china Wash down water closet (EWC)	1.00	Nos	5234.10	5234.10
30	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 the direction of Engineer-in-charge.				
30.01	10.00 ltrs capacity Low level flushing cistern-White	1.00	Nos	1697.80	1697.80
31	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.				
31.01	15 mm dia C.P. Brass Long Body Bib Cock	4.00	Nos	1033.50	4134.00
31.02	15 mm dia two way Bib Cock	1.00	Nos	1853.60	1853.60
31.03	15 mm diameter long handle elbow operated Pillar cock (Jaguar Make)	3.00	Nos	2480.60	7441.80
31.04	Health Faucet with CP tube	1.00	Nos	1582.80	1582.80
31.05	15 mm dia Brass Screw- down Stop Cock	2.00	Nos	858.40	1716.80
32	Fixing Wash Basins with Pedestal & 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 as per the direction of Engineer-in-charge.				
32.01	Vitreous China flat back Wash Hand Basin of size 540 mm x 400 mm	1.00	Nos	5950.00	5950.00
33	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 ,celing & floor etc complete as per specification as per direction of Engineer in Charge.				
33.01	25 mm nominal outer dia pipe	38.50	Mtrs	305.00	11742.50
34	Supplying all materials, labour, T&P and fixing of stainless steel Laboratory 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.				

