

Bill of Quantity

Upgradation of Ghoghar Sub centre for NQAS under Rajgangpur block for the year 2024-25

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.	98.63	Sqm	126.50	12476.70
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.	10.65	Sqm	73.10	778.52
3	4cm thick grading concrete (1:2:4) on roof slab with 12mm & down graded size hard crusher broken granite chips on new work including cost of all materials, water-proofing compounds, T&P. required for the works complete as per the direction of Engineer-in-charge.	98.63	Sqm	871.90	85995.50
4	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.	8.25	Cum	269.70	2225.03
5	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.	3.13	Cum	581.80	1821.03
6	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.	2.32	Cum	5714.90	13258.57
7	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.	7.31	Cum	5524.80	40386.29
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 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.	8.32	Cum	5557.80	46240.90
9	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.	66.09	Sqm	185.40	12253.09

10	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.	62.10	Sqm	267.50	16611.75
11	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.	5.49	Cum	7359.90	40405.85
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 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.	372.23	Kgs	342.40	127451.55
13	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.	144.00	Kgs	72.70	10468.80
14	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.	3.60	Sqm	94.30	339.48
15	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.	11.44	Sqm	828.20	9474.61
16	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	910.90	2186.16
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 the tiles including all costs complete as per direction of Engineer-in-charge.	8.25	Sqm	988.80	8157.60
18	Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges up to 5mtr height as per direction of Engineer-in-charge.	396.35	Sqm	5.20	2061.02

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.	497.60	Sqm	174.70	86930.72
20	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.	161.19	Sqm	86.30	13910.70
21	Painting 2 coats with any approved paint in 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.	68.36	Sqm	181.40	12400.50
22	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.	45.20	Kgs	785.30	35495.56
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.	10.36	Sqm	372.20	3855.99
24	Construction of 1.20m dia Sharp pit & deep burial pit as per the direction of Engineer-in-charge.	3.00	Nos	17556.70	52670.10
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	No	6938.20	13876.40
26	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.				
26.01	White vitreous china Wash down water closet (EWC)	1.00	Nos	5834.10	5834.10
27	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.				
27.01	10.00 ltrs capacity Low level flushing cistern-White	1.00	Nos	2110.00	2110.00
28	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.				
28.01	15 mm dia C.P. Brass Long Body Bib Cock	1.00	Nos	1033.50	1033.50
28.02	15 mm diameter long handle elbow operated Pillar cock	1.00	Nos	2480.60	2480.60
28.03	15 mm dia Brass Screw- down Stop Cock	2.00	Nos	858.40	1716.80

28.04	15 mm dia two way Bib Cock	1.00	Nos	1853.60	1853.60
28.05	Health Faucet with CP tube	1.00	Nos	1582.80	1582.80
29	Providing and fixing to wall or ceiling 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, ceiling & floor etc complete as per specification as per direction of Engineer in Charge.				
29.01	25 mm nominal outer dia pipe	20.00	Mtrs	305.00	6100.00
30	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 switch & c.rose mounted on MS box with front bakelite cover including all accessories and connection as per direction of Engineer in Charge.				
30.01	Group (A)	5.00	Nos	546.00	2730.00
30.02	Group (B)	3.00	Nos	770.00	2310.00
31	Recessed wiring to submain of following sizes of PVC S.C Cu. Wire -do-				
31.01	2x1.5mm ² + 1x1.5mm ²	93.00	Mtrs	130.00	12090.00
32	S/F of 18" Exhaust Fan	2.00	Nos	3850.00	7700.00
33	S/F of 5A plug point on existing board	3.00	Nos	262.00	786.00
34	S/F of 1 x 20watt LED tube light fitting box type	1.00	Nos	1011.00	1011.00
35	S/F of 15 watt LED bulb	11.00	Nos	280.00	3080.00
36	S/F of 30 watt street light	2.00	Nos	3000.00	6000.00
37	S/F of 48" AC ceiling fans complete	3.00	Nos	2310.00	6930.00
38	Providing and laying in trenches PVC pipe (4Kg/cm ²) as sewer line and alining 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 intermediate 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	4.75	Mtrs	843.90	4008.53
38.02	110 mm PVC Pipe	4.00	Mtrs	885.10	3540.40
39	Providing fitting & fixing Aqua guard Sure Delight NXT RO+UV Water Purifier 6 litres capacity with internal water supply connection complete as per the direction of E.I.C.	1.00	Nos	12616.05	12616.05

40	Providing fitting and fixing of Informatory Sign Board using high efficiency full cube retro reflective sheeting on white colour bonded on to 4 mm aluminium composite panel (0.25 + 3.5 + 0.25 pdvf coated) over which alphabets and number and reverse cut with computerised cutting plotter,the board shall be provided with frame madeout of stainless pipe shall be mounted on vertical posts made out of 80 mm N.R,Stainless pipe as have installed including necessary excavation for foundation,concreting,reveting etc.necessary for fixing of the board including cost,conveyance,taxes of all materials,all labour and T&P,required for the work as per direction of the Engineer -In -Charge.	15.00	Sft	1904.40	28566.00
41	Providing Colour & Branding of Health Wellness Centre in weather coat colour with all labour, material, T&P, taxes etc complete as per the direction of Engineer in Charge.	151.72	Sft	63.50	9634.22
42	Providing Colour & Branding of Health Wellness Centre door, window border in weather coat colour with all labour, material, T&P, taxes etc complete as per the direction of Engineer in Charge.	78.89	Rft	62.30	4914.85
Total 42 (Forty Two) items		Total Estimated Cost		7,80,361.00 (Rupees Seven Lakh Eighty Thousand Three Hundred Sixty One) 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 :- 42 (Forty Two) Items only

No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for 42 (Forty Two) Items only

Full signature of the Contractor with date.

**Chief District Medical & Public Health Officer,
Sundargarh**