

Bill of Quantity

Upgradation of Rasti Sub centre for NQAS under Balisankara block for the year 2024-25 (Under DMF)

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.	26.48	Cum	269.70	7141.66
2	Filling in foundation and plinth with excavated materials including watering and ramming as directed by the Engineer-in-charge.	60.84	Cum	149.80	9113.83
3	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.	6.80	Cum	1076.30	7318.84
4	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.	6.80	Cum	5894.10	40079.88
5	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.	2.75	Cum	7483.20	20578.80
6	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.	34.35	Cum	6127.10	210465.89
7	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.	2.12	Qntl	7278.80	15431.06
8	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 the direction of E.I.C.	5.57	Cum	5645.10	31443.21

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 Superstructure 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.	6.44	Cum	5678.10	36566.96
10	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.	92.10	Sqm	191.30	17618.73
11	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.	43.32	Sqm	274.70	11900.00
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.	261.90	Kgs	342.40	89674.56
13	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.	468.37	Sqm	174.70	81824.24
14	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.	154.04	Sqm	86.30	13293.65
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.	11.13	Sqm	828.20	9217.87
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 direction of Engineer-in-charge.	16.45	Kgs	596.90	9819.01
17	Providing and fitting of 5mm thick ACP sheet in Aluminium frame of doors, windows & ventilators 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

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. complete as per direction of Engineer-in-charge.	49.43	Kgs	785.30	38817.38
19	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.	11.73	Sqm	372.20	4365.91
20	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.	5.25	Sqm	920.00	4830.00
21	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.	7.87	Sqm	989.90	7790.51
22	Construction of 1.20m dia Sharp pit & deep burial pit as per the direction of Engineer-in-charge.	2.00	Nos	17556.70	35113.40
23	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.				
23.1	White vitreous china Wash down water closet (EWC)	1.00	Nos	5234.10	5234.10
24	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.				
24.1	10.00 ltrs capacity Low level flushing cistern-White	3.00	Nos	1697.80	5093.40
25	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.				
25.1	110 mm U-PVC Pipe	2.00	Mtrs	284.20	568.40
25.2	110 mm U-PVC 'P' trap	1.00	Each	294.20	294.20
25.3	110 mm U-PVC door bend	2.00	Each	302.10	604.20
25.4	110 mm U-PVC Plain bend	2.00	Each	287.10	574.20

25.5	110 mm U-PVC Cowl	1.00	Each	77.30	77.30
25.6	110 mm U-PVC Coupler	1.00	Each	130.30	130.30
25.7	75 mm U-PVC door bend	2.00	Each	207.90	415.80
25.8	75 mm U-PVC Plain bend	2.00	Each	163.80	327.60
25.9	75 mm U-PVC Coupler	2.00	Each	97.60	195.20
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 dia C.P. Brass Long Body Bib Cock	1.00	Nos	1033.50	1033.50
26.2	15 mm dia two way Bib Cock	1.00	Nos	1853.60	1853.60
26.3	15 mm diameter long handle elbow operated Pillar cock (Jaguar Make)	2.00	Nos	2480.60	4961.20
26.4	Health Faucet with CP tube	1.00	Nos	1582.80	1582.80
26.5	15 mm dia Brass Screw- down Stop Cock	1.00	Nos	858.40	858.40
27	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.				
27.1	Vitreous China flat back Wash Hand Basin of size 540 mm x 400 mm	1.00	Nos	5950.00	5950.00
28	Providing and fixing to wall or ceiling 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 ,ceiling & floor etc complete as per specification as per direction of Engineer in Charge.				
28.1	25 mm nominal outer dia pipe	10.00	Mtrs	305.00	3050.00
29	Providing and laying in trenches PVC pipe (4Kg/cm2) 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.				
29.1	75 mm PVC Pipe	2.00	Mtrs	843.90	1687.80
29.2	110 mm PVC Pipe	2.00	Mtrs	885.10	1770.20
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.				
30.1	Group (B)	16.00	Nos	770.00	12320.00
31	S/F of general earthing as per govt. specification	1.00	Nos	2487.00	2487.00

32	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.	30.00	Sqm	1905.30	57159.00
33	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.	444.82	Sft	63.50	28246.07
Total 33 (Thirty Three) items		Total Estimated Cost		8,40,209.00 (Rupees Eight Lakh Forty Thousand Two Hundred Nine) 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 :- 33 (Thirty Three)Items only

No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for33 (Thirty Three)Items only

Full signature of the Contractor with date.

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