

**B. O. Q**

**Name of the Work:-Repair & renovation for NQAS gap of Sorda OH of Nuagaon block for the year 2024-25 for NQAS Under DMF FUND.**

Sl. No.	Items	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.	16.48	Cum	269.70	4444.66
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost of all materials, T&P etc complete.	8.24	Cum	1009.80	8320.76
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 and as directed by Engineer - in - charge.	5.44	Cum	6057.70	32953.89
4	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.	4.12	Cum	7588.20	31263.39
5	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 & 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.	0.50	Cum	5548.90	2774.45
6	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 the direction of E.I.C.	0.68	Cum	5582.20	3795.90
7	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 E.I.C.	5.95	Sqm	188.50	1121.58
8	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.	0.81	Qntl	8325.40	6743.57
9	Supplying, fitting & fixing of PPGL sheet (Pre-painted Galvanized sheet) of 0.50 mm thick in roof with fitting & fixing of wind ties including cost, carriage & taxes of all materials cost of all labour for fixing and cost of fitting materials & drilling holes in wind ties etc. complete.	8.92	Sqm	808.90	7215.38

10	Supplying, fitting and fixing Industrial 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.	4.09	Sqm	1060.60	4337.85
11	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.	3.72	Sqm	911.50	3390.78
12	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.	14.87	Sqm	987.50	14684.12
13	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.	103.68	Kgs	767.90	79615.87
14	Providing fitting, fixing of Aluminium door with anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member with frame section as 9221by means of 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.	23.52	Kgs	536.10	12609.07

15	Supplying, fitting and fixing Granite tile in floors of approved make conforming to IS : 13755 laid on 20 mm thick cement mortar (1:4) (1 cement :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 E.I.C. (For New work only)	1.67	Sqm	1761.50	2941.70
16	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+.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.	24.00	Sft	1906.10	45746.40
17	Providing and fitting of zinc coated wire mesh for windows, door and ventilators including cost of all materials, labour T&P etc. complete. (Measurement to be taken as per actual)	20.07	Sqm	372.20	7470.05
18	Providing and fitting of (12 mm thick) Pre-laminated Board Standard Type (ISI) in Alluminium frame of doors, windows & ventilatos etc. including cost of all materials, labour T&P etc. complete. (Measurement to be taken as per actual)	1.95	Sqm	753.80	1469.91
19	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 of the department.	0.74	Sqm	17387.80	12866.97
20	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 aquare pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	44.66	Kgs	277.30	12384.21
21	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.	52.50	Kgs	76.80	4032.00

22	Painting 2 coats with any approved paint in new iron works including sand papering, polishing surfaces, cost of paints, cost of all labour, T&P, etc complete in all floors as per direction of Engg-in charge.	117.63	Sqm	181.40	21338.08
23	Wall painting 2 coats with plastic emulsion paint of approved shade on new work to give an even shade including cost of paint etc complete.	205.76	Sqm	102.60	21110.98
24	Providing colour ,Painting of branding of HWC	315.00	Sft	63.50	20002.50
25	Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete as per the direction of Engineer-in charge.	453.25	Sqm	79.00	35806.75
26	Finishing to the exposed surfaces of wall with weather coat of any approved shade on new work 2 coats to give an even shade including cost of weather coat all cost of all labours and T&P etc. complete .	453.25	Sqm	95.7	43376.03
27	Recessed wiring to light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLSH/LSZH PVC insulated copper conductor of ISI marked Make- Finolex/Anchor/Polycab/HAVELLS/RR KABLE/KEI or equievalant reputed make A catagory ISI marked as approved with 20 mm dia PVC flexible non metallic conduit FRLS type ISI marked Make- AKG/Anchor/Havells or equievalant reputed make A catagory ISI marked as approved 6A modular type switch ISI marked Make-Schneider(Zencelo)/legrand( Myrius) /Panasonic (vision) or equievalant reputed make & model A catagory ISI marked as approved, and ceiling rose ISI marked Make- Anchor/Havells/Eq of modular type G.I box with metallic cover plate (both side) Make- Schneider(Zencelo)/legrand( Myrius) /Panasonic (vision)or equievalant reputed make & model A catagory ISI marked as approved of suitable size, modular box with 1.5 sq. Mm FRLSH PVC insulated single core multistandard copper conductor as earth wire including all accessories and connection as per direction of Engineer -in -Charge. CATAGORY AS FOLLOWS ,complete suitable for office standard. All the switches & sockets should be warrantied for a replacement period of 10 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials.				
i	Group (A)	4.00	Nos	563.00	2252.00
ii	Group (B)	4.00	Nos	809.00	3236.00
iii	Group (C)	4.00	Nos	1118.00	4472.00

28	Supplying ,fixing of 6A Plug on the same board in existing switch board with complete fitting by 01 no of 6A switch & socket (modular type) & other required accessories of ISI marked as approved as per direction of Engg. -in -Charge. Make-Schneider(Zencelo)/legrand( Myrius) /Panasonic (vision) or equievalant reputed make & model A catagory ISI marked as approved, complete suitable for office standard.(Maximum 02 nos point in one circuit).All the switches & sockets should be warrantied for a replacement period of 10 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials.				
i	On exising board	8.00	Nos	193.00	1544.00
29	Supplying,fixing of 1x16A Plug on the separate board with complete fitting by 01 no of 16A switch & socket(modular type)with suitable size modular box & cover(anti bacterial & falme retradant type) including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.. Make-Schneider(Zencelo)/legrand( Myrius) /Panasonic (vision)or equievalant reputed make A catagory ISI marked as approved, (For equipement power)All the switches & sockets should be warrantied for a replacement period of 10 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials..	8.00	Nos	651.00	5208.00
30	2 nos single core 1.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor. In 20 mm dia non metallic heavy duty flexible conduit (LDB to LSB/LIGHT CKT)(2X1.5+1X1.5)	20.00	Mtrs	135.00	2700.00
31	Supplying, installation, of exhaust fan of 230 mm sweep (Make- Havells/almonard/Crompton/Usha or equievalant reputed make & model A catagory as approved ) in the existing wall, including fixing & conntection as required as per direction of Engg.-in-Charge. Replacement Warranty will be 2 years.	2.00	Nos	2201.00	4402.00
32	2 nos single core 2.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor in 20 mm dia non metallic heavy duty flexible conduit.(BDB to LSB/LIGHT CKT/5A PLUG/INVERTER POINT TO EACH QTR) (2X2.5+1X1.5)	20.00	Mtrs	149.00	2980.00
33	4 Way(8+12) Way TPN MCB DD DB Horizontal Type as per IEC 61439-3 suitable for Flush mounting and Surface mounting with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door(FOR LIGHT LOAD) Warranty on DB is 2 years.	1.0	Nos	3591.00	3591.00

34	Supplying and fixing of Energy efficient 45 w street light with bracket (2 yrs warranty) and all other accessories suitable for operation on 220 V to 240 V supply as required as per direction of Engg.-in-Charge. ( Make : Havells/Crompton/Jaquar/Panasonic/Bajaj/PHILIPS/Wipro or equievalant reputed make & model A catagory ISI marked as approved)	1.00	Nos	3861.00	3861.00
35	<b>Supplying and fixing of Energy efficient recessed mounted 18 W LED luminaire (2 yrs warranty) and all other accessories suitable for operation on 220 V to 240 V supply as required as per direction of Engg.-in-Charge. ( Make : Havells/Crompton/Jaquar/Panasonic/Bajaj/PHILIPS/Wipro or equievalant reputed make &amp; model A catagory ISI marked as approved)</b>	1	Nos	1002.00	1002.00
36	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS:15778, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge				
A	20mm dia C-PVC Pipes				
1	Ground floor	3	Mtrs.	276.90	830.70
B.	25mm dia C-PVC Pipes				
1	Ground floor	3	Mtrs.	378.40	1135.20
37	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials including cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge.				
i	15mm dia CP angle stop cock (Con-CHR-053KN Jaquar make)	1	Each	861.30	861.30
ii	25mm dia brass full way valve (Shakti make)	1	Each	1198.30	1198.30
iii	15mm dia CP Health faucet (Con-ALD-MCH-573 Jaquar make)	2	Each	1648.70	3297.40
iv	15mm CP Extension piece	1	Each	59.30	59.30
v	125mm CP grating	1	Each	78.60	78.60
vi	15 mm diameter long handle elbow operated bib cock	1	Each	1482.50	1482.50
38	<b>Supplying all materials, labour, T&amp;P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches , cost &amp; conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge.</b>				
i	110mm U-PVC SWR Pipe (Ori Plast/Finolex/Supreme Make Type-B)	3	Mtr.	483.60	1450.80

ii	110mm U-PVC 'P' Trap(Ori Plast/Finolex/Supreme Make)	1	Each	497.30	497.30
iii	110mm U-PVC door bend(Ori Plast/Finolex/Supreme Make)	1	Each	293.60	293.60
iv	110mm U-PVC Cowl(Ori Plast/Finolex/Supreme Make)	1	Each	58.20	58.20
v	110mm U-PVC S/Jn door(Ori Plast/Finolex/Supreme Make)	1	Each	457.10	457.10
39	Supplying all materials, labour T&P and and fixing 12.50 liters/10 liters capacity low level flushing cistern with a pair of cast iron or M.S. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float CP brass handle,unions and couplings for connection with inlet, outlet and overflow pipes, 32mm dia CP long flush bend, 15mm dia pvc inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and conncting the inlet pipe with suupply main , cost & conveyance of all materials to worksite, payment of taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge				
i	10 ltr. Capacity pvc L.L. cistern with 32mm. Dia CP long flush bend ( Slimline-white-Parryware make )	2.00	Each	2246.40	4492.80
40	Supplying all materials, labour, T&P and fixing the following vitreous china Wash Down Water Closet(European type W.C. pan)with integral 'p' or 's' trap to the floor with wooden plug and chromium plated pedestal screws including jointing the trap with soil pipe in cement mortar (1:1) fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers including polishing , cost & conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge				
i	European water closet with 'p' trap plain(Hindware/Parryware/Neycer make)	2.00	Each	3154.00	6308.00
41	Supplying all materials, labour, T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the Engineer in charge				
i	25mmx600mm long CP towel rail (Jaquar make)	1.00	Each	1722.60	1722.60
ii	Towel ring (Jaquar make)	2.00	Each	994.20	1988.40
42	Supplying all materials, labour, T&P for fitting & fixing plain edge kitchen/wall sink of all standard sizes with a pair of bracket, C.P. waste, trap & P.V.C. waste pipe & painting brackets including supply of cement concrete & mortar etc. all complete. 600 x 450 x 200 mm	1.00	Each	4906.00	4906.00

43	Supplying all materials, labour, T&P and fixing CP soap holder complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the Engineer in charge				
i	CP soap holder	2.00	Each	250.90	501.80
44	Supplying all materials, labour, T&P and fixing mirror of superior glass mounted on 6mm.thick A.C. sheet or ply wood sheet and fixed to wooden plugs with CP screws and washers complete as per specification and direction of Engineer in charge.				
i	600mmx450mm size B.E mirror (swivelled type)	1.00	Each	637.60	637.60
45	<b>Supplying all materials labour T&amp;P and laying soak way gallery with SW pipe with jointing laid packed all around with supply of stone boulders size 50mm to 150mm in (1:6) other than granite cover at top with layer of flat taller size 0.3048 x 0.3048x 0.2510m including earth work in excavation of trenches in all kinds of soil to an average depth of 1.52 m cover of earth at the gallery top all complete as per approved design and including carriage of all materials to site.</b>				
i	100 mm dia SW pipe	3.00	Mtr.	1458.20	4374.60
				Rs	513696.95
<b>Total No of Items-45 (Forty Five) only</b>				Or Rs	5,13,697.00
				(Rupees Five Lakhs Thirteen thousands Six hundred Ninety Seven ) only	

My / Our 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 :- 45 (Forty Five) items only  
No. of correction :-  
No.of overwriting :-  
No. of Interpolation :-  
Approved for -45 (Forty Five) items only

Full signature of the Contractor with date.

**Chief District Medical Officer  
Cum District Mission Director  
Sundargarh**