Bill of Quantity (B. O. Q)

Name of the Work:-Repair & renovation for NQAS gap of Jalangabira SC HWC of Kuarmunda Block for the year 2024-25 DMF Fund.

Sl. No.	Items	Quantity	Unit	Rate	Amount
1	**Dismantling and removing R.C.C. Chajja, Selves, fins and parapet including stacking the useful materials for reuse and removing the debris within 50m lead**	4.32	Sqm	196.70	849.75
2	**Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead**	110.53	Sqm	56.2	6211.79
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.**	5.24	Cum	269.70	1413.23
4	**Supplying & filling foundation and plinth with sand well watered and rammed including cost of all materials, T&P etc complete.**	2.63	Cum	1108.30	2914.83
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 and as directed by Engineer - in - charge.	1.38	Cum	6135.90	8467.55
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.	1.27	Cum	7661.50	9730.11
7	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 & 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.	2.44	Cum	5576.50	13606.66
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 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.	4.10	Cum	5609.80	23000.18
9	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.	7.10	Sqm	1231.10	8740.81

10	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 steelas per the direction of Engineer-in-charge.	**0.55**	**Qntl**	**9048.00**	**4976.40**
11	12mm thick C.P. in C.M.(1:6) over brick masonary 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.	**49.44**	**Sqm**	**190.00**	**9393.60**
12	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.	**0.13**	**Qntl**	**8318.80**	**1081.44**
13	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.	**5.94**	**Sqm**	**808.90**	**4804.86**
14	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.	**4.55**	**Sqm**	**911.90**	**4149.15**
15	Supplying, fitting and fixing Granite 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.	**1.67**	**Sqm**	**1761.90**	**2942.38**
16	Fixing Granite tiles (Above 0.10 Sqm. to 0.40 Sqm) 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 shades of the tiles including cost of tiles.	**0.28**	**Sqm**	**1889.40**	**529.04**

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.	7.43	Sqm	987.40	7336.39
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.**	53.64	Kgs	767.90	41186.48
19	**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)**	17.21	Sqm	372.20	6405.57
20	**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.**	1.86	Sqm	17387.80	32341.31
21	**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 aquare pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxses of all material, cost of all labour etc. complete in all respect. (in all floor)**	130.21	Kgs	277.30	36106.60
22	**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.**	90.00	Kgs	70.20	6318.00
23	**Painting 2 coats with any approved paint in new 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.**	67.07	Sqm	181.40	12166.50
24	**Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete as per the direction of Engineer-in charge.**	500.85	Sqm	77.30	38715.71

25	**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.**	**272.69**	**Sqm**	**102.60**	**27978.00**
26	**Providing colour ,Painting of branding of HWC**	**188.00**	**Sft**	**63.50**	**11938.00**
27	**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.**	**20.00**	**Sft**	**1906.70**	**38134.00**
28	**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 .**	**334.99**	**Sqm**	**95.7**	**32058.55**
29	**Recessed wirring 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 ncessary 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)	**1.00**	**Nos**	**563.00**	**563.00**
ii	Group (B)	**2.00**	**Nos**	**809.00**	**1618.00**
iii	Group (C)	**1.00**	**Nos**	**1118.00**	**1118.00**

30	**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 ncessary 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**	**2.00**	**Nos**	**193.00**	**386.00**
31	**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 bactorial & 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 ncessary 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..**	**2.00**	**Nos**	**651.00**	**1302.00**
32	**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 continuty conductor. In 20 mm dia non metallic heavy duty flexible conduit (LDB to LSB/LIGHT CKT)(2X1.5+1X1.5)**	**10.00**	**Mtrs**	**135.00**	**1350.00**
33	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	**3.00**	**Mtrs.**	**276.90**	**830.70**
B	25mm dia C-PVC Pipes				
1	Ground floor	**3.00**	**Mtrs.**	**378.40**	**1135.20**

34	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all joiniting 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)	**1.00**	**Each**	**861.30**	**861.30**
ii	15mm dia CP two in one bib cock (Con-CHR-041KN Jaquar make)	**1.00**	**Each**	**1255.00**	**1255.00**
iii	25mm dia brass full way valve (Shakti make)	**1.00**	**Each**	**1198.30**	**1198.30**
iv	15mm dia CP Health faucet (Con-ALD-MCH-573 Jaquar make)	**1.00**	**Each**	**1648.70**	**1648.70**
v	15mm CP Extension piece	**1.00**	**Each**	**59.30**	**59.30**
vi	125mm CP grating	**1.00**	**Each**	**78.60**	**78.60**
vii	20mm dia CP consealed stop cock(Con-CHR-083KN Jaquar make)	**1.00**	**Each**	**1181.20**	**1181.20**
viii	15 mm diameter long handle elbow operated bib cock	**2.00**	**Each**	**1482.50**	**2965.00**
35	**Supplying all materials , labour, T&P and fixing rotational moulded polyethylene cylindrical vertical water storage tanks conforming to IS:12701/1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc. complete as per approved drawing , P.H. specification and direction of Engineer-in-charge**				
i	**200 liters capacity PVC water storage tank**	**1.00**	**Each**	**3561.08**	**3561.08**
36	**Supplying all materials, labour, T&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 & 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	**110mm U-PVC SWR Pipe (Ori Plast/Finolex/Supreme Make Type-B)**	**3.00**	**Mtr.**	**483.60**	**1450.80**
ii	**110mm U-PVC 'P' Trap(Ori Plast/Finolex/Supreme Make)**	**1.00**	**Each**	**497.30**	**497.30**
iii	**110mm U-PVC door bend(Ori Plast/Finolex/Supreme Make)**	**1.00**	**Each**	**293.60**	**293.60**
iv	**110mm U-PVC Cowl(Ori Plast/Finolex/Supreme Make)**	**1.00**	**Each**	**58.20**	**58.20**
v	**110mm U-PVC S/Jn door(Ori Plast/Finolex/Supreme Make)**	**1.00**	**Each**	**457.10**	**457.10**
vi	110mm U-PVC D/Jn door(Ori Plast/Finolex/Supreme Make)	1	Each	551.2	551.20
vii	**110mm U-PVC Socket(Ori Plast/Finolex/Supreme Make)**	**1.00**	**Each**	**160.10**	**160.10**

37	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 connceting 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				
a	10 ltr. Capacity pvc L.L. cistern with 32mm. Dia CP long flush bend (Slimline-white-Parryware make)	**1.00**	**Each**	**2246.40**	**2246.40**
38	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 royality, taxes etc. all complete as per P.H specification and direction of the Engineer-in-charge				
a	European water closet with 'p' trap plain(Hindware/Parryware/Neycer make)	**1.00**	**Each**	**3154.00**	**3154.00**
				Rs	**423476.97**
				Or Rs	**4,23,477.00**
	Total No of Items-38 (Thirty Eight) only			**(Rupees Four Lakhs Twenty Three thousands Four hundred Seventy 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 :- 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 Officer
Cum District Mission Director
Sundargarh

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