

## BILL OF QUANTITY

**NAME OF THE WORK: - Construction of DAYCARE PHC Building at Jagmohanpur under Telkoi block for the year 2022-23 ( DMF ) under NHM.**

TENDER AMOUNT

Rs. 81,19,739.00

EMD @ 1%

Rs.82,000.00

COST OF TENDER PAPER

Rs 10,000.00

TIME OF COMPLETION

12 ( Twelve ) months

CLASS OF CONTRACTOR

B

Sl No	Item of Work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation in all kind of soil within 50 m initial load and initial lift, including dressing and levelling the bed etc. complete	301.18	Each cum	219.77	66190.33
2	Filling in foundation and plinth with excavated earth including watering and ramming as directed by the E.I.C. etc. complete	301.18	Each cum	146.51	44126.89
3	Supplying and filling foundation and plinth with sand wall watered and rammed with cost conveyance and royalty, taxes of all materials and labour (T&P) etc. complete.	275.86	Each cum	374.08	103193.71
4	Cement Concrete (1:3:6) in Foundation using 4 cm size bhg metal including watering, curing with cost, conveyance, royalty and taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	70.30	Each cum	4378.25	307790.98
5	R.C.C. M-25 using 20 mm & down size h.g.c.b chips including watering, curing with cost, conveyance, taxes and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
A	Foundation footing	51.39	Each Cum	5805.83	298361.60
B	Plinth Beam	28.67	Each Cum	6173.18	176985.07
C	Column and Beams ( GF )	31.11	Each Cum	11745.31	365396.59
	Column and Beams ( FF )	2.39	Each Cum	13041.61	31169.45
D	Lintel( GF )	8.26	Each Cum	9468.70	78211.46
E	Sunshade( GF )	18.46	Each Sqm	853.99	15765.08
	Sunshade( FF )	0.84	Each Sqm	954.69	799.08
F	RCC Stairs	2.24	Each Cum	11262.27	25213.95
G	Roof slab(GF)	51.96	Each Cum	10074.17	523453.87
	Roof slab(FF)	2.80	Each Cum	5592.48	15658.94
6	Cutting, Bending, binding and tying the grills and placing in position including cost, conveyance, taxes of all materials and cost of all labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	191.93	Each Qntl	8815.01	1691864.87
7	20mm thick C.P. (1:4) as grading plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
	GF	389.11	Each Sqm	238.63	92853.32

		21.91	Each Sqm	243.65	5338.37
8	Fly Ash Brick masonry with CM (1:6) in Foundation & Plinth including watering, curing with cost, conveyance, royalty and taxes of all materials & labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	92.78	Each Cum	4294.01	398398.25
9	Fly Ash Brick masonry with C.M. (1:6) in Superstructure using Fly Ash Bricks including watering and curing with cost, conveyance, royalty and all taxes of materials and labour (T&P) required for the work etc. complete as per direction of Engineer-in-Charge.				
	GF	108.92	Each Cum	4327.34	471333.87
	FF	25.81	Each Cum	4976.44	128441.92
10	16 mm (5/8") thick cement plaster (1:6) over brick walls finished smooth including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
	GF	469.06	Each Sqm	210.38	98680.84
	FF	40.49	Each Sqm	214.86	8699.85
11	12mm thick C.P. (1:6) over brick walls finished smooth including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
	GF	289.99	Each Cum	147.64	42814.12
	FF	200.20	Each Cum	152.65	30560.34
12	Supplying, fitting, fixing of Vetrified tile flooring on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	269.81	Each Sqm	983.50	265358.14
13	Supplying, fitting, fixing of Granite tile ( 20mm thick ) flooring on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	26.25	Each Sqm	2559.22	67175.49
14	Supplying, fitting, fixing of Granite tile ( 20mm thick ) in dados on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	9.67	Each Sqm	2314.19	22378.22
15	Supplying, fitting, fixing of Ceramic Glazed Wall tile in walls on 12mm thick C.P. (1:3) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	418.64	Each Sqm	1257.39	526393.75
16	Supplying, fitting, fixing of Antiskid Vetrified tile (2'0"X2'0") flooring on 20mm thick bed of C.M. (1:4) jointed with neat cement slurry & pigment to match the shade including watering & curing with cost, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.	27.30	Each Sqm	1311.75	35804.87

17	6mm thick C.P. (1:4) as ceiling plaster including watering, curing, conveyance, royalty & all taxes of materials & labour with T&P required for the work etc. complete as per direction of Engineer-in-Charge.				
	GF	488.17	Each Sqm	163.37	79752.33
	FF	16.37	Each Sqm	166.88	2731.83
18	Providing, supplying and fitting and fixing of M.S. Door / Window shutters, gates & M.S. grills as per approved design etc. complete as per direction of Engineer-in-Charge..				
	MS Grill	1208.75	Each KG	91.63	110761.14
	MS Door And Window	379.91	Each KG	149.93	56957.26
19	Providing fitting, fixing of Three Track Sliding Window made out of UPVC Sections and panel with clear glass including all cost of labour, T&P hire charges of drilling machine, labour charges etc. complete as per direction of Engineer-in-Charge..	44.97	Each Sqm	5984.00	269100.48
20	Supplying fitting and fixing of GI Pressed Steel door with frames(100x80)mm size , 42mm thick steel shutter coated with polymer powder including cost of all hard ware fittings such as Stainless Steel Tower Bolt, SS Handle, Stainless, Steel ball bearing Butt hinges anchor fastner including cutting in brick / RCC wall complete as per direction of Engineer-in-Charge..	29.30	Each Sqm	6735.00	197335.50
21	Providing fitting, fixing of Al. Door with OEL anodized Al. door section 9202 as vertical member, 9201 as top member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1885 including all cost of labour, T&P hire charges of drilling machine, labour charges etc. complete as per the direction of Engineer-in-Charge.	11.39	Each Sqm	5788.22	65927.88
22	Wall painting two coat with plastic emulsion paint over a coat of priming including cost of all materials and labour etc. complete as per the direction of Engineer-in-Charge.				
	GF	795.06	Each Sqm	160.75	127805.90
	FF	51.13	Each Sqm	162.08	8287.15
23	Painting two coats over a coat of primer with any approved Enamel paints including cost, conveyance of all materials and labour (T&P) etc. complete as per the direction of Engineer-in-Charge.	53.28	Each Sqm	200.65	10690.63
24	Finishing wall surface with Acrylic wall putty (Water based) including cost of all materials and labour etc. complete as per the direction of Engineer-in-Charge.				
	GF	795.06	Each Sqm	75.00	59629.50
	FF	51.13	Each Sqm	76.60	3916.56
25	Finishing out side wall surface with Weather Coat (I.S.I) two coats with any approved shade over a coat of priming including cost of all materials and labour (T&P) etc. complete as per the direction of Engineer-in-Charge.				
	GF	452.16	Each Sqm	139.87	63243.62
	FF	200.20	Each Sqm	165.13	33058.82

26	Supplying, fitting afixing of stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc. with cost conveyance, taxes of all materials labour, T&P etc. required for the complete as per the direction of Engineer-in-Charge.	20.12	Each Rmt	3513.40	70689.54
27	Supplying, fitting, fixing of 100mm dia PVC rain water down pipes including cost, conveyance & taxes of all materials and labour etc. complete as per the direction of engineer-in-charge.	43.00	Each Rmt	250.00	10750.00
<b>TOTAL CIVIL WORK</b>					<b>7109051.34</b>
<b>A) Internal PH. Works.</b>					
1	Supplying all materials , labour, T&P and providing and fixing to wall or ceiling and floor PVC pipes conforming to ASTM-D-1785/89 ( Sch-80 ) and G.I pipe fittings of the following nominal bore with clamps including making good the wall,ceiling and floor ,testing all complete as per P.H. specification and direction of Engineer-in-charge				
<b>i In Ground floor</b>					
a)	15mm dia ASTM ( Sch-80 ) PVC Pipe	15.00	mtr	118.50	1777.50
b)	20mm dia ASTM ( Sch-80 ) PVC Pipe	20.00	mtr	135.90	2718.00
c)	25mm dia ASTM ( Sch-80 ) PVC Pipe	25.00	mtr	186.90	4672.50
d)	32mm dia ASTM ( Sch-80 ) PVC Pipe	30.00	mtr	245.70	7371.00
e)	40mm dia ASTM ( Sch-80 ) PVC Pipe	30.00	mtr	323.10	9693.00
2	Supplying all materials,labour,T&P and cutting holes through existing brick work including making good the damages in cement mortar(1:4) for taking GI pipes and fittings/PVC pipes and fittings etc.all complete as per PH specification and direction of the Engineer-in-charge.				
<b>a) 250mm thick wall</b>					
<b>i In Ground floor</b>					
		6	each	46.30	277.80
3	Supplying all materials , labour, T&P and cutting holes in RCC floors and roofs upto 19cm thick for passing P.V.C pipes and G.I fittings etc. , and repairing the holes after insertion of pipe etc. with cement concrete (1:2:4) including finishing complete so as to make it leak-proof as per P.H. specification and direction of				
<b>i In Ground floor</b>					
		3	each	158.70	476.10
4	Supplying all materials , labour, T&P and cutting grooves in pucca floors and walls for taking P.V.C pipes and G.I fittings etc. and making good the damages including finishing complete as per P.H. specification and direction of Engineer-in-charge				
<b>i In Ground floor</b>					
		30.00	mtr	167.90	5037.00
5	Supplying all materials , labour, T&P and fitting and fixing brass/CP fittings of following nominal bore with supply of all jointing materials complete as per P.H. specification and direction of Engineer-in-charge				
<b>i 15mm dia. C.P angle stop cock ( Jaquar make )</b>					
		11	each	656.40	7220.40
<b>ii 15mm dia.long body C.P bib cock ( Jaquar make )</b>					
		4	each	875.30	3501.20
<b>iii 20mm dia. C.P concealed stop cock ( Jaquar make)</b>					
		1	each	1137.90	1137.90
<b>iiii 15mm dia.2 in 1 C.P bib cock ( Jaquar make )</b>					
		2	each	875.30	1750.60
<b>vi 15mm dia. C.P Health Faucet ( Jaquar make )ALD-573</b>					
		2	each	1742.30	3484.60
<b>iv 25mm dia. Brass Full Way Valve ( Shakti make )</b>					
		3	each	927.30	2781.90
<b>v 32mm dia. Brass Full Way Valve ( Shakti make )</b>					
		2	each	1134.70	2269.40
<b>v 40mm dia. Brass Full Way Valve ( Shakti make )</b>					
		2	each	1724.00	3448.00
<b>viii 15mm dia. C.P extension piece</b>					
		17	each	59.30	1008.10
<b>ix 125mm dia CP grating</b>					
		4	each	83.50	334.00
<b>x 15mm dia. C.P flange</b>					
		17	each	40.30	685.10

6	Supplying all materials ,labour ,T&P and fitting and fixing CP shower with 15mm or 20mm inlet including polishing etc.all complete as per specification and direction of Engineer-in-charge				
a)	15mm dia CP revolving shower(Plaza deluxe make )	1	each	543.90	543.90
7	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. including hoisting upto a height of 5 metres above ground level and placing the tank to the required position and providing 5.40 mtr. lengthx0.25 mtr width KB brickwork in cement mortar (1:6) of 0.46m height in staging and 0.13mtr thick circular protection wall of 0.46mtr height to support the tank,12mm thick cement plaster in cement mortar (1:6) over brick work, RCC slab of size 1.60mX1.60m and 0.10m thick ,RCC beam of 0.25mx0.30m and 2.60m average length in cement concrete (1:2:4) using 12mm size crusher broken hard black granite chips including centering and shuttering,watering,curing ,cost of all materials,conveyance of all materials to worksite ,				
a)	In First floor				
i	2000 ltrs capacity rotational moulded polyethylene cylindrical vertical water storage tank	2	each	34054.50	68109.00
8	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 as per specification and direction of Engineer-				
i	110mm dia. U-PVC SWR pipes(Supreme/Ashirvad)	40.00	mtr	456.90	18276.00
ii	110mm dia. U-PVC "P" trap	6	each	497.30	2983.80
iii	110mm dia. U-PVC door bend	10	each	407.40	4074.00
iv	110mm dia. U-PVC plain bend	12	each	232.00	2784.00
v	110mm dia. U-PVC offset without ear	4	each	407.40	1629.60
vi	110mm dia. U-PVC vent cowl	4	each	58.20	232.80
vii	110mm dia. U-PVC plain tee	10	each	322.70	3227.00
viii	110mm dia. U-PVC door tee	2	each	386.00	772.00
viii	110mm dia. U-PVC door cross tee	2	each	551.20	1102.40
ix	110mm dia. U-PVC plain shoe bend	2	each	232.00	464.00
xi	110mm dia. U-PVC Socket	15	each	160.10	2401.50
9	Supplying all materials , labour, T&P and cutting holes through existing brick or laterite masonry wall for taking U-PVC / HCl pipes and fittings including making good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge				
a)	250mm to 375mm thick wall	10	each	182.70	1827.00
10	Supplying all materials , labour, T&P and fixing Vitreous china water closet ,squatting pan ( Indian type W.C. pan / Orissa pattern squatting pan ) duly embedded in cement concrete 1:5:10 using hard granite metal 4cm nominal size including fixing a pair of vitreous china 250mmx130mmx30mm foot rest, fixing 100mm dia hci 'P' or 'S' trap for water closet squatting pan including jointing the trap with pan in cement mortar (1:1), cutting the floor and mending good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge				
a)	580mmx440mm size Orissa Pan ( White )	3	each	2188.80	6566.40
11	Supplying all materials,labour,T&P and fitting and fixing vitrous Chaina washed down water Closet (European type water closet -				

	EVC) with integral "P" or "S" type trap to the floor including wooden plug and chromomum plated screw including jointing the trap with soil pipe in CM(1:1) fixing plastic seat cover for washed down water closet with crmium plated brass hinges and rubber buffers including polishing etc all complete as per specification and direction of Engineer-in-charge.				
a)	European Water Clost "S" trap(Parryware white)	2	each	2634.60	5269.20
12	Supplying all materials ,labour ,T&P and fixing 10 litres capacity PVC low level flushing cistern with a pair of PVC brackets complete with fittings such as pvc siphonic arrangements, 15mm dia nominal size pvc ball valve with polythene float ,pvc handles, 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 connecting the inlet pipe with supply main etc.all complete as per specification and direction of Engineer-in-charge				
a)	10 ltrs. capacity PVC low level cistern (Slimline- Deluxe-white- Parryware make)	5	each	1562.90	7814.50
13	Supplying all materials,labour,T&P and Bowl pattern urinal of the following sizes including connecting the urinal with 32mm dia PVC waste pipe 910mm long by means of white lead mixed with chopped hemp, fixing 32mm dia cp dome west,15mm dia cp spreader including cutting holes in wall and making good the damages with supply of wooden plugs,screws and cement etc. all complete as per specification and direction of the Engineer-in-charge.				
a)	Half stall urinal .(Parryware make)	2	each	2189.60	4379.20
14	Supplying all materials ,labour ,T&P and fixing Wash basin with hole for pillar taps with cast iron or MS brackets painted white including cutting holes in walls and making good the damages with supply of wooden plugs, screws and cement etc. fixing pedestral for wash basin recessed at the back for the reception of pipes and fittings, fixing PVC waste pipe of 32mm nominal diameter for wash basin including brass check nut complete, fixing pillar taps capstan head screw down high pressure lettered 'Hot' and 'Cold' with long screws, shanks and back nuts of 15mm dia nominal bore, fixing15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin , fixing 12mm dia CP brass waste etc.all complete as per specification and direction of Engineer-in-charge.				
a)	550mmx400mm size wash hand basin(Parryware white)	4	each	2249.40	8997.60
15	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 chromium plated brass screws and washers etc.all complete as per specification and direction of Engineer-in-charge				
a)	600mmx450mm size B.E mirror ( fixed type )	4	each	644.00	2576.00
16	Supplying all materials,labour,T&P and fixing standard sized Glass shelf with C.P brass bracket and guard rail complete fixed to wooden pluges with screw etc.all complete as per specification and direction of Engineer-in-charge.				
a)	600mmx125mm size glass shelf with C.P ruard rail	4	each	599.40	2397.60
17	Supplying all materials ,labour ,T&P and fixing standard sized CP brass towel rail complete with CP brass brackets fixed to wooden plugs with chromium plated brass screws etc.all complete as per specification and direction of Engineer-in-charge				
a)	25mmx600mm long CP Towel rail	1	each	698.90	698.90
b)	C P Towel Ring	4	each	466.10	1864.40

18	Supplying all materials ,labour ,T&P and fixing CP Soap Holder complete with CP brass brackets fixed to wooden plugs with chromium plated brass screws etc.all complete as per specification and direction of Engineer-in-charge				
a)	CP soap holder	10	each	177.90	1779.00
19	Supplying all materials,labour ,T&P and filling in foundation and plinth with sand well watered and rammed including cost, conveyance of all materials to work site ,payment of royalty,taxes etc. all complete as per direction of the Engineer-in -charge				
		5.47	cum	517.50	2830.73
20	Supplying all materials, labour, T&P and providing cement concrete ( 1:3:6 ) with 4cm size crusher broken hard granite metal including watering, curing, cost of all materials,conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge				
		2.74	cum	4494.30	12314.38
21	Supplying all materials, labour, T&P and providing cement concrete ( 1:2:4 ) with 12mm size crusher broken hard black granite chips including watering, curing,cost of all materials, conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge				
		2.74	cum	5909.80	16192.85
22	Supplying all materials,labour,T&P and providing 12mm thick cement plaster(1:3) on brick work including watering,curing,cost of all materials, conveyance of all materials to worksite,payment of royalty,all taxes etc.all complete as per PWD specification and direction of the Engineer-in-charge.				
		130.72	sqm	169.00	22091.68
23	Supplying all materials, labour, T&P and providing and fixing ceramic tiles in floors, treads or steps and landing on 25mm thick bed of cement mortar (1:1) ( 1 cement : 1 sand ) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including watering, curing,cost of all materials, conveyance of all materials to work site , payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge ( ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming to IS 13755 of size 30cmx30cm special printed series to be pre-approved by the Engineer-in-charge ).				
		25.12	sqm	846.40	21261.57
24	Supplying all materials, labour, T&P and providing and fixing porcelain glazed tiles in dado skirting on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including watering, curing,cost of all materials, conveyance of all materials to work site , payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge( ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm conforming to IS 13753 of size 30cmx20cm / 20cmx20cm special plain / printed series to be pre-approved by the Engineer-in-charge )				
		130.72	sqm	812.20	106170.78
25	Factory made single leaf rigid FRP(alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass chopped strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than				

	1.50mm Expanded polystyrone(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material.Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts,aldrops,handles etc shall be provided. A sturctural adhesive compatible with(EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins.The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centres standards and specifications and the door shutters tested in conformation to IS:4020-1998. The finish of door shutter will be plain colour using white/Ivory/Beige/Light grey/Mahogany /Teak wood or any other colour using high quality pigments.Three heavy whight mild steel butt hinges typep-I(ISI marked)size 100m are to be fitted on one side of shutter and complete in all respect as per specification and direction of the Engineer-in-charge.				
		9.80	sqm	3200.00	31360.00
26	Factory made FRP(alternately called GRP) door frame of size 75mmx100mm fabricated using E-glass Chopped strand Mat (CSM) U.V stablised Inophthalic Gelcoat and impregnated with Inophthalic resin.The thickness of the GRP skins shall not be less than 2.00mm. The door frame consist of four segments which are provided with plug-in-socket arrangement in-situ in the mould.The segments are plugged in and are joined together by means of screw.The GRP frame shall be provided with wooden reinforcement on six locations for high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement,six numbers of 260mmx25mmx5mm size 'S' shaped M.S flat hold fast shall be provided with the frame. The material and process for manufacturing the door frames shall conform to RV-TIFAC composites Design centre's standards and specifications. The finish of door frame will be plain colour white/Ivory/ Beige/ Light gray/Golden brown/ Mahogany/ Teak wood/Sand stone/Champagne/Pastel blue or any other colour using high quality pigments complete in all respect as per specification and direction of the Engineer-in-charge.				
		30.36	RM	572.00	17365.92
<b>B) External PH. Works</b>					
27	Supplying all materials ,labour ,T&P and constructing Inspection Chamber of inside size 760mmx760mmx460mm with cement concrete (1:3:6) using 40mm size crusher broken hard black granite metal on bed , KB brick work in cement mortar (1:6) in foundation and plinth, moulding and shaping the channel inside and benching with cement concrete (1:2:4) using 12mm size crusher broken hard black granite chips, 12mm thick cement plaster (1:3) with cement punning to inside, cement flush pointing (1:3) to outside, R.C.C cover slab (1:2:4) using 12mm size crusher broken hard black granite chips with R.C.C man hole cover, earth work in excavation in all kinds of soil and refilling the cavity around the chamber including watering,curing,cost of all materials, conveyance of all materials to worksite, payment of royalty,all taxes etc.all complete as per approved drawing, P.H specification and direction of Engineer-in-charge				
a)	Inside size : 760mmx760mmx460mm	2	each	8333.10	16666.20
28	Supplying all materials ,labour ,T&P and constructing Man Hole Chamber of inside size 910mmx910mmx910mm with cement concrete (1:3:6) using 40mm size crusher broken hard black granite metal on bed , KB brick work in cement mortar (1:6) in foundation and plinth, moulding and shaping the channel inside and benching with cement concrete (1:2:4) using 12mm size				

	crusher broken hard black granite chips, 12mm thick cement plaster (1:3) with cement punning to inside, cement flush pointing (1:3) to outside, R.C.C cover slab (1:2:4) using 12mm size crusher broken black hard granite chips with R.C.C man hole cover, earth work in excavation in all kinds of soil and refilling the cavity around the chamber including watering,curing, conveyance of all materials to worksite, payment of royalty, taxes etc.all complete as per approved drawing, P.H specification and direction of Engineer-in-charge				
a)	Inside size : 910mmx910mmx910mm	2	each	16271.40	32542.80
29	Supplying all materials, labour, T&P & constructing Soak Way Pit of the following size with dry brick walling from bottom upto invert of inlet pipe and KB brick work in cement mortar (1:6) for the remaining height at top, cement concrete (1:4:8) using 40mm size crusher broken hard black granite metal on bed, 12mm thick cement plaster in cement mortar (1:4) inside and outside over masonry brick work, gravel backing in the rear of well steining, RCC cover slab in cement concrete (1:2:4) using 12mm size crusher broken hard black granite chips fitted with iron lifting handles including earth work in open well excavation in all kinds of soil and refilling of cavity around the pit and painting the iron works, watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per approved drawing, PH specification and direction of the Engineer-in-charge.				
a)	1.40m dia x 2.00m deep inside size Soakway Pit	1	each	18430.50	18430.50
30	Supplying all materials, labour, T&P and laying in trenches ( to level or slope ) unplasticized PVC pipe conforming to IS:4985/2000 of the following outside dia for class-3 (0.60mpa) including jointing with supply of approved solvent cement by non-heat application method/ as per manufactures's providing and laying in trench cement concrete(1:4:8) with 40 mm size hard granite metal in the Type-C-1 standard bedding surrounding or encasing including concrete for bedding and curing etc all complete as per PH specification and direction of the Engineer-in-charge.				
a)	110mm dia U-PVC pipe ( Allround concrete )	13.00	mtr	1011.00	13143.00
b)	160mm dia U-PVC pipe ( Allround concrete )	18.00	mtr	1648.80	29678.40
31	Supplying all labour , T&P and earth work in excavation of foundation in all kinds of soil within 50m initial lead and 1.5m initial lift including rough dressing & breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of Engineer-in-charge				
a)	Within initial lead of 50m and initial lift of 1.5m	8.55	cum	219.77	1879.03
32	Supplying all labour , T&P and earth work in excavation of foundation in all kinds of soil within 50m initial lead and 1.5m initial lift including rough dressing & breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of Engineer-in-charge				
a)	Extra lift of 1.50m or part thereof over the initial lift of 1.50m	5.99	cum	219.77	1316.42
33	Supplying all materials, labour , T&P and filling in foundation and plinth with sand well watered and rammed including cost, conveyance of all materials to work site ,payment of royalty,taxes etc. all complete as per direction of the Engineer-in -charge				
		1.71	cum	418.52	715.68
34	Supplying all materials, labour, T&P and providing cement				

	concrete ( 1:3:6 ) with 4cm size crusher broken hard granite metal including watering, curing, cost of all materials, conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge				
	In ground floor				
		0.86	cum	4513.62	3881.71
35	Supplying all materials, labour, T&P and providing cement concrete ( 1:2:4 ) with 12mm size crusher broken hard black granite chips including watering, curing, cost of all materials, conveyance of all materials to work site with payment of royalty, all taxes etc all complete as per P.W.D specification and direction of Engineer-in-charge				
	In ground floor				
		0.57	cum	6036.39	3440.75
36	Supplying all materials, labour, T&P and providing brick work with Fly Ash bricks having crushing strength not less than 75 kg/sqcm with dimensional tolerance + 8% in cement mortar (1:4) including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per PWD specification and direction of the Engineer in charge.				
		3.40	cum	4341.23	14760.17
37	Supplying all materials, labour, T&P and providing 12mm thick cement plaster (1:6) on brick work including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per PWD specification and direction of the Engineer-in-charge.				
		13.40	sqm	143.42	1921.82
38	Supplying all materials, labour, T&P and providing 16mm thick cement plaster (1:6) on brick work including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per PWD specification and direction of the Engineer-in-charge.				
		19.10	sqm	205.32	3921.66
39	Supplying all materials, labour, T&P and providing cement punning including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per specification and direction of the Engineer-in-charge				
		13.40	sqm	32.90	440.86
40	Supplying all materials, labour, T&P and providing rigid & smooth centering and shuttering for RCC works including false work and dismantling them after casting including conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per specification and direction of the Engineer-in-charge				
	In ground floor				
		1.80	sqm	432.00	777.60
41	Supplying all materials, labour, T&P and providing cement concrete (1:1.5:3) with 12mm size crusher broken hard black granite chips for RCC works including hoisting, laying, watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per PWD specification and direction of the Engineer in charge.				
	In ground floor				
		0.35	cum	6702.77	2345.97
42	Supplying all materials, labour, T&P and providing steel reinforcement of Fe-415 /Fe-500 grade for RCC work including cutting, bending, binding and tying the grills and placing in position				

	including cost of binding wire 18 to 20 gauge, cost of steel, conveyance of all materials to worksite, payment of royalty, all taxes etc all complete as per PWD specification and direction of the Engineer-in-charge.				
		0.35	Qntl	8853.55	3098.74
43	Supplying all materials, labour, T&P and fitting and fixing following size SW Tee in wall including filling the recess with cement concrete (1:3:6) with 12mm size crusher broken hard black granite chips including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc. all complete as per PH specification and direction of the Engineer-in-charge.				
a)	100mmx100mmx100mm size SW Tee	2	each	345.50	691.00
44	Supplying all materials, labour, T&P and making MS step Iron in 20mm diameter MS steel bars and fixing into walls of manhole / septic tank duly embedded in cement concrete (1:3:6) with 12mm size crusher broken hard black granite chips including watering, curing, cost of all materials, conveyance of all materials to worksite, payment of royalty, all taxes etc complete as per specification and direction of the Engineer-in-charge				
		10	each	250.40	2504.00
45	Supplying all labour, T&P and filling in foundation and plinth with excavated earth including watering and ramming etc. complete as directed by the Engineer-in-charge.				
		3.69	cum	255.37	942.32
	<b>TOTAL PH WORK</b>			<b>TOTAL</b>	<b>593100.44</b>
	<b>EI WORK</b>				
1	Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V Modular type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. ( Make of wire Finolex / L&T / Anchor / Havells /Polycab) Colour code of wire must be maintained				
	Group-A -L.P- F.P- C.B.P-	45	Point	558.00	25110.00
	Group-B L.P- F.P- C.B.P-	40	Point	792.00	31680.00
	Group-C L.P- F.P- C.B.P-	19	Point	1085.00	20615.00
2	Point wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess 20 mm dia non-metalic PVC flexible conduit with piano type switch , phenolic laminated sheet suitable size ISI marked MS box and earthing point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc. as required. ( Make of wire Finolex / L&T / Anchor / Havels / V Guard )	4	Point	701.00	2804.00
3	Supply and fixing of <b>5 Amp plug with switch</b> on existing board (Piano type/cover including connection etc. as required )	17	Set	90.00	1530.00
4	SF of 3 pin 15 Amp plug point on M.S. Board Modular type (Make-Cona/Anchor)	8	Each	618.00	4944.00
5	Circuit Submain wiring in PVC Conduit with Inverter wiring				0.00

	2 X 1.5 sq.mm +1 X 1.5 sq.mm in 20 mm dia	80	Mtr.	130.00	10400.00
	2 X 2.5 sq.mm +1 X 1.5 sq.mm -do-	310	Mtr.	144.00	44640.00
	2 X 4 sq.mm +1 X 1.5 sq.mm -do-	80	Mtr.	161.00	12880.00
	2 X 6 sq.mm +1 X 2.5 sq.mm -do-	60	Mtr.	290.00	17400.00
6	S/F of Bakelite angle holder/batten holder of ISI marked including connection etc as required .	5	Each	58.00	290.00
7	S/F of 10 watt LED bulb (Havells/Phillips/CG)	5	Each	156.00	780.00
8	S/F of A.C. Ceiling fan of size 48" without regulator . (Make- Usha-Platinum or galaxy/Havells-Samrat/Crompton-Pawan deco)	22	Each	2441.00	53702.00
9	Supply and fixing of <b>Electronic Step Type</b> fan regulator (Make-Cona/ Anchor/ Usha/Bajaj)	22	Each	233.00	5126.00
10	Installation, Testing and commissioning of ceiling fan including wiring the down rod of standard length(up to 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor etc. as required.	22	Each	127.00	2794.00
11	Supply of 12" Exhaust fan heavy duty (Make-Usha /Almonard)	5	Each	2718.00	13590.00
12	Installation, Testing and commissioning if exhaust fan up to 450mm sweep in the existing opening including making the hole to suit the size of the above fan, making good the damage complete, connection, etc as required.	5	Each	629.00	3145.00
13	S/F of computer board consisting 3 nos 5amp switch and socket (Make- Havells/Anchor)	4	Each	879.00	3516.00
14	S/F Modular starter for AC machiene(make Havells / cabtree)	2	Each	480.00	960.00
15	S/F of 20 watt LED tube light fitting.(Havells/Phillips/CG)	66	Each	783.00	51678.00
16	S/F of 10 watt round shape surface mounted LED ceiling light (Havells/Phillips/CG)	8	Each	1281.00	10248.00
17	S/F of 48 watt LED street light (Havells/Phillips/CG)	4	Each	6321.00	25284.00
18	S/F of G.I. Bend pipe for street light	4	Each	480.00	1920.00
19	Supply and fixing of 12way double door SPN DB with sheet steel enclosure,distribution board,on suface/recess,complete with tinned copper bus bar,neutral bus bar,earth bar,din bar,detachable gland plate,interconnection,phosphate and powder painted including earthing etc.as required.	3	Each	2164.00	6492.00
20	Supply and fixing of 6Amp to 10Amp single pole MCB(Make-Havells/L&T/HPL)	28	Each	132.00	3696.00
21	S/F of 32 Amp DP MCB (Havells/HPL/L&T)	2	Each	681.00	1362.00
22	S/F of 63 Amp DP MCB (L&T/Havells)	3	Each	1883.00	5649.00
23	S/F 100 amp TPN SFU in sheet steel encluser (Havells/HPL/L&T))	1	Each	8176.00	8176.00
24	S/F 100 amp 6way TPN copper sub bar	1	Each	8602.00	8602.00
25	S/F of 16 sqmm.4 core Aluminium armoured cable(Havells/Polycab)	90	Mtr.	324.00	29160.00

26	Supply and fixing of Earthing with G.I earth pipe 3mtr. Long 40mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	3	Each	2488.00	7464.00
27	Supply of Extra running earth with 8 SWG ( 4mm ) dia coper wire	30	Mtr.	65.00	1950.00
<b>TOTAL EI WORK</b>				<b>TOTAL</b>	<b>417587.00</b>
<b>TOTAL(CIVIL+EI+PH)</b>					<b>8119738.78</b>
				<b>Say</b>	<b>8119739.00</b>

Approved for-27 (twenty seven ) Civil items only,45 (Fourty Five) PH items only,27 (Twenty Seven) EI items only

Rupees Eighty Lakh Ninety One Thousand Five Hundred Twenty Seven only

*15.12.2023*  
*17/05/2023*  
 Assistant Engineer  
 NHM, Keonjhar

*802*  
*17/5/2023*  
 Additional Executive  
 Officer(Tech.)  
 ZP Keonjhar

*17/5/23*  
 Block Development  
 Officer  
 Telkoi

**TO BE FILLED BY THE TENDERER**

1) My/ Our qouted rate is (both in figure and words)

	in Figure	In words
Equal to Estimate Cost	%	
Excess in Percentage	%	
Less in Percentage	%	

**Notes:-**

- 1) The Tenderer should qoute the percentage up to one decimal point only.
- 2) The Tenderer should go through the special conditions in the DTCN for percentage rate contract before tendering .
- 3) The Tenderers should qouted their percentage only inside the space provided for the perpose .
- 4) The percentage qouted at any other place will not be taken into consideration.
- 5) If any discrepancy is found in the percentage qouted in words and figures then the percentage qouted by the contractor in words shall be taken as correct .

**Additional Executive Officer(Technical)**  
**Zilla Parishad Keonjhar**

**Block Development Officer**  
**Telkoi**

Signature of the Contractor