

# BILL OF QUANTITY

**NAME OF THE WORK: -**

**Construction of 4 Nos (Flat type) E - TYPE qtrs at Golkund PHC under Saharpada Block for the year 2022-23 under OMBADC.**

**TENDER AMOUNT**

**EMD @ 1%**

**COST OF TENDER PAPER**

**TIME OF COMPLETION**

**CLASS OF CONTRACTOR**

Rs. 7625494.00

Rs.76300.00

Rs 10000.00

Nine months

B

SI No	Item of Work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation in hard soil or gravelly soil within 50 m initial lead and initial lift, including dressing and levelling the bed etc. complete	151.30	Each cum	219.77	33251.20
2	Supplying and filling foundation and plinth with excavated earth well watered and rammed with cost conveyance and royalty, taxes of all materials and labour (T&P) etc. complete.	151.30	Each cum	146.51	22167.47
3	Supplying and filling foundation and plinth with sand well watered and rammed with cost conveyance and royalty, taxes of all materials and labour (T&P) etc. complete.	148.96	Each cum	596.28	88822.48
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.	48.06	Each cum	4591.34	220650.79
5	Cement Concrete (1:1.5:3) using 12mm size cbhg chips 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.	1.28	Each cum	6787.81	8695.18
6	R.C.C. M20 using 20 mm & down size b.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				
B	Plinth Beam	19.93	Each Cum	5079.41	101232.69
C	Column and Beams ( GF )	10.75	Each Cum	5446.76	58552.62
	Column and Beams ( FF )	16.04	Each Cum	11018.89	176743.00
	Column and Beams ( GF )	14.32	Each Cum	12315.18	176353.42
	Lintel( GF )	1.86	Each Cum	13866.89	25792.42
	Lintel( FF )	4.71	Each Cum	8742.28	41176.15
E	Sunshade( G F )	4.76	Each Cum	9583.25	45616.29
	Sunshade( F F )	16.93	Each Sqm	806.77	13655.31
	Sunshade( 2nd F )	14.39	Each Sqm	909.13	13078.05
F	Shelve( G F )	0.93	Each Sqm	1031.72	959.50
	Shelve( F F )	10.42	Each Sqm	777.18	8095.15
G	Stair( GF )	10.42	Each Sqm	887.25	9241.62
	Stair( FF )	2.16	Each Cum	10535.85	22809.59
H	Roof slab,landing & Chajja(GF)	2.16	Each Cum	11735.53	25406.84
	Roof slab,landing & Chajja(FF)	24.42	Each Cum	9347.75	228271.99
	Roof slab,landing & Chajja(2nd F)	24.42	Each Cum	10309.82	251765.74
		2.42	Each Cum	11460.45	27734.30

7	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.				
A	GF				
B	FF	86.60	Each Qntl	9204.31	797093.25
C	2ND F	56.38	Each Qntl	9420.31	531117.08
		5.46	Each Qntl	9647.11	52673.22
8	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.				
A	FF				
B	2ND F	173.68	Each Sqm	240.62	41790.16
		18.90	Each Sqm	245.87	4647.03
9	Fly Ash Brick masonry with CM (1:6) in foundation 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.	59.42	Each Cum	4360.77	259116.78
10	Fly Ash Brick masonry with CM (1:6) in superstructure 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.				
A	GF				
B	FF	64.44	Each Cum	4394.10	283155.61
C	2ND F	65.17	Each Cum	4636.32	302148.91
		19.10	Each Cum	4914.89	93874.32
11	16mm thick C.P. (1:6) 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.				
A	GF				
B	FF	446.58	Each Sqm	208.37	93054.99
C	2ND F	449.93	Each Sqm	212.85	95766.66
		100.92	Each Sqm	217.45	21946.38
12	12mm thick C.P. (1:6) 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.				
A	GF				
B	FF	242.01	Each Sqm	145.98	35328.50
C	2ND F	203.45	Each Sqm	150.98	30717.57
		90.88	Each Sqm	156.24	14199.54
13	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.				
A	GF				
B	FF	109.11	Each Sqm	972.00	106055.26
		129.66	Each Sqm	1061.02	137571.36
14	Supplying, fitting, fixing of Vetrified tile 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.				
A	GF				
B	FF	17.87	Each Sqm	1406.39	25132.19
		18.73	Each Sqm	1434.10	26860.77

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.				
A	GF				
B	FF	74.07	Each Sqm	1096.36	81207.39
16	Fixing tiles (Vitrified antiskid Tiles) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing with cost, conveyance of all materials etc. complete.	74.07	Each Sqm	1124.06	83259.42
A	GF				
B	FF	38.69	Each Sqm	1296.55	50159.10
17	Supplying, fitting, fixing of vitrified antiskid 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.(GF)	13.49	Each Sqm	1315.81	17743.73
18	Supplying, fitting, fixing of Granite tile(20mm thick) 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.	2.12	Each Sqm	1406.80	2987.56
A	GF				
B	FF	11.21	Each Sqm	2653.87	29749.88
19	Supplying, fitting, fixing of Granite tile(20 mm 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	9.09	Each Sqm	2681.57	24366.30
A	GF				
B	FF	27.05	Each Sqm	2543.61	68808.26
20	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.	15.66	Each Sqm	2562.88	40137.77
A	GF				
B	FF	204.14	Each Sqm	161.99	33069.35
C	2ND F	199.38	Each Sqm	165.51	32998.80
21	Providing, supplying and fitting and fixing of M.S. Door / Window shutters, gates & M.S. grills as per approved design etc. complete.	13.34	Each Sqm	169.12	2256.62
A	M.S. grills	2622.50	Each KG	95.62	250765.82
B	M.S. Door / Window shutters, gates	1933.50	Each KG	153.91	297590.98
22	Supplying fitting and fixing of stainless steel or 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with balustrade of size 32mm*32mm*2mm in 3 rows in staircase as per approved design and specification buffing, polishing etc complete	17.68	Each rmt	3513.40	62127.13
19	Supplying, fitting, fixing up window (sliding type) made up aluminium section 9778 as window frame Section No. 4095, 4096 and 9777, 3994 as shutter frame pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes of labour, T&P etc. complete		Each Sqm	5984.00	0.00

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		Each Sqm	6735.00	0.00
21	Providing and fixing of UPVC door 60-series duly manufactured using UPVC reinforced profile of 60mmx55mm x 2.5mm for outer frame 102mm x 60mmX2.25mm for cashment door sash profile and 74mmX60mmX2.5mm mullion profile capable of mounting single glazing system of all materials and labour etc complete		Each Sqm	8824.00	0.00
23	Wall painting two coat with plastic emulsion paint over a coat of priming including cost of all materials and labour etc.				
A	GF				
B	FF	650.72	Each Sqm	146.35	95231.19
C	2ND F	619.19	Each Sqm	149.11	92326.43
		45.64	Each Sqm	151.96	6935.34
24	Finishing wall surface with Acrylic wall putty (Water based) including cost of all materials and labour etc. complete.				
A	GF				
B	FF	650.72	Each Sqm	77.57	50476.77
C	2ND F	619.19	Each Sqm	79.16	49014.68
		45.64	Each Sqm	80.80	3687.61
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.				
A	GF				
B	FF	277.37	Each Sqm	139.83	38783.51
C	2ND F	234.05	Each Sqm	143.56	33599.00
		160.51	Each Sqm	147.44	23664.96
26	Supplying, fitting, fixing of 100mm dia PVC rain water down pipes including cost, conveyance & taxes of all materials and labour etc. complete.	45.72	Each Sqm	250.05	11432.29
27	Enamel painting 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.				
A	GF				
B	FF	116.44	Each rmt	200.60	23357.84
		116.65	Each Sqm	205.09	23923.17
28	Providing and laying 60 mm thick factory made cement concrete interlocking pavor block of M-30 grade made by block makeine machine with strong vibratory compaction of approved size ,design and shape laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand ,filling the joint with fine sand etc. all complete as per the direction of engineer-in-charge	97.98	Each Sqm	1058.48	103709.67
<b>TOTAL CIVIL WORK</b>					
<b>ELECTRIFICATION</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-	50	Point	562	28100.00
	Group-B L.P- F.P- C.B.P-	38	Point	798	30324.00
	Group-C L.P- F.P- C.B.P-	36	Point	1095	39420.00

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-metallic 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 Finolux / L&T / Anchor / Havells / V Guard )	12	Point	709	8508.00
3	Supply and fixing of 5 Amp plug with switch on existing board (Piano type/cover including connection etc. as required )	20	Set	90	1800.00
4	SF of 3 pin 15 Amp plug point on M.S. Board Modular type (Make-Cona/Anchor)	28	Each	626	17528.00
5	Circuit Submain wiring in PVC Conduit with Inverter wiring				
	2 X 1.5 sq.mm +1 X 1.5 sq.mm in 20 mm dia	315	Mtr.	131	41265.00
	2 X 2.5 sq.mm +1 X 1.5 sq.mm -do-	510	Mtr.	145	73950.00
	2 X 4 sq.mm +1 X 1.5 sq.mm -do-	210	Mtr.	163	34230.00
	2 X 6 sq.mm +1 X 2.5 sq.mm -do-	60	Mtr.	194	11640.00
6	S/F of Bakelite angle holder/batten holder of ISI marked including connection etc as required .	8	Each	60	480.00
7	S/F of 10 watt LED bulb (Havells/Phillips/CG)	8	Each	156	1248.00
8	S/F of A.C. Ceiling fan of size 48" without regulator . (Make-Usha-Platinum or galaxy/Havells-Samrat/Crompton-Pawan deco)	16	Each	2441	39056.00
9	Supply and fixing of Electronic Step Type fan regulator (Make-Cona/ Anchor/ Usha/Bajaj)	16	Each	233	3728.00
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.	16	Each	127	2032.00
11	Supply of 12" Exhaust fan heavy duty (Make-Usha /Almonard)	12	Each	2718	32616.00
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.	12	Each	640	7680.00
13	S/F of Superior type ding dong call bel	4	Each	127	508.00
14	S/F of 20 watt LED tube light fitting.(Havells/Phillips/CG)	80	Each	783	62640.00
15	S/F of 48 watt LED street light (Havells/Phillips/CG)	5	Each	6321	31605.00
16	S/F of G.I. Bend pipe for street light	5	Each	480	2400.00
17	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.	4	Each	1906	7624.00
18	Supply and fixing of 6Amp to 16Amp single pole MCB(Make-Havells/L&T/HPL)	32	Each	132	4224.00
19	S/F of 32 Amp DP MCB (Havells/HPL/L&T)	8	Each	681	5448.00
20	S/F of 63 Amp DP MCB (L&T/Havells)	4	Each	980	3920.00
21	S/F of 63 Amp ICDP main switch (Havells/L&T/Anchor)	4	Each	3453	13812.00
22	S/F of Modular Starter for A.C Machine (Make - Havells/Crabtree)	8	Each	480	3840.00
23	S/F of computer board consisting 3 nos 5amp switch and socket (Make- Havells/Anchor)	4	Each	879	3516.00
24	S/F of 6 sqmm.2 core Aluminium unarmoured cable(Havells/Polycab)	360	Mtr.	108	38880.00
25	Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size 6 sq.mm on surface as required.	340	Mtr.	81	27540.00

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.	4	Each	2503	10012.00
27	Supply of Extra running earth with 8 SWG ( 4mm ) dia cooper wire	50	Mtr.	65	3250.00
<b>TOTAL ELECTRIFICATION WORK</b>					<b>592824.00</b>
<b>PH WORKS</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				
a)	15mm dia ASTM ( Sch-80 ) PVC Pipe				
i	In Ground floor				
ii	In First floor	15	mtr	118.5	1777.50
b)	20mm dia ASTM ( Sch-80 ) PVC Pipe	15	mtr	124.3	1864.50
i	In Ground floor				
ii	In First floor	10	mtr	135.9	1359.00
c)	25mm dia ASTM ( Sch-80 ) PVC Pipe	10	mtr	142.1	1421.00
i	In Ground floor				
ii	In First floor	10	mtr	186.9	1869.00
d)	32mm dia ASTM ( Sch-80 ) PVC Pipe	10	mtr	193	1930.00
i	In Ground floor				
ii	In First floor	10	mtr	245.7	2457.00
e)	40mm dia ASTM ( Sch-80 ) PVC Pipe	10	mtr	253.5	2535.00
i	In Ground floor				
ii	In First floor	10	mtr	323.1	3231.00
		10	mtr	333	3330.00
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				
a)	250mm thick wall				
i	In Ground floor				
ii	In First floor	6	each	46.3	277.80
		6	each	47.2	283.20
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 Engineer-in-charge				
i	In Ground floor				
ii	In First floor	3	each	158.7	476.10
		3	each	159.4	478.20
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				
i	In Ground floor				
ii	In First floor	15	mtr	167.9	2518.50
		15	mtr	172.9	2593.50
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				
i	15mm dia. C.P angle stop cock ( Jaquar make )	16	each	1552.5	24840.00
ii	15mm dia.long body C.P bib cock ( Jaquar make )	9	each	1840	16560.00

iii	20mm dia. C.P concealed stop cock ( Jaquar make)	8	each	1246.8	9974.40
iv	25mm dia. Brass Full Way Valve ( Shakti make )	6	each	927.3	5563.80
v	32mm dia. Brass Full Way Valve ( Shakti make )	6	each	1357.5	8145.00
vi	40mm dia. Brass Full Way Valve ( Shakti make )	4	each	1724	6896.00
vii	50mm dia. Brass Full Way Valve ( Shakti make )	2	each	2553.2	5106.40
viii	15mm dia. C.P extension piece	18	each	59.3	1067.40
ix	125mm dia CP grating	10	each	83.5	835.00
x	15mm dia. C.P flange	12	each	40.3	483.60
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(Jaquar make )	8	each	890.4	7123.20
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 , payment of royalty, all taxes etc.all complete as per approved drawing , P.H. specification and direction of Engineer-in-charge				
	On the roof of second floor				
a)	2000 ltrs capacity rotational moulded polyethylene cylindrical vertical water storage tank				
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-in-charge	2	each	38437.5	76875.00
i	110mm dia. U-PVC SWR pipes(Ori-plast make Type-B)	26	mtr	390.2	10145.20
ii	110mm dia. U-PVC "P" trap	10	each	497.3	4973.00
iii	110mm dia. U-PVC door bend	10	each	407.4	4074.00
iv	110mm dia. U-PVC plain bend	6	each	232	1392.00
v	110mm dia. U-PVC offset without ear	8	each	407.4	3259.20
vi	110mm dia. U-PVC vent cowl	2	each	58.2	116.40
vii	110mm dia. U-PVC plain tee	9	each	322.7	2904.30
viii	110mm dia. U-PVC door tee	11	each	386	4246.00
ix	110mm dia. U-PVC plain shoe bend	2	each	232	464.00
x	110mm dia. U-PVC door cross tee	2	each	551.2	1102.40
xi	110mm dia. U-PVC Socket	4	each	160.1	640.40

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	182.7	1827.00
10	Supplying all materials , labour, T&P and cutting of RCC roof or cornice for taking HCl or U-PVC pipe and fittings including making good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge				
		12	each	159.7	1916.40
11	Supplying all materials , labour, T&P and cutting of RCC chajja for taking HCl or U-PVC pipe and fittings including making good the damages etc. all complete as per P.H. specification and direction of Engineer-in-charge				
		13	each	112.5	1462.50
12	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 )	4	each	2198.9	8795.60
13	Supplying all materials,labour,T&P and fitting and fixing vitrous Chaina washed down water Closet (European type water closet - EWC) with integral "P" or "S" type trap to the floor including wodden plug and chromoum 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)	4	each	2634.6	10538.40
14	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)	8	each	1442.1	11536.80
15	Supplying all materials ,labour ,T&P and fixing wash kitchen sink with outlet at end and weir overflow including fitting and fixing a pair of cast iron or MS brackets painted white, fixing 50mm/40mm dia CP brass waste , fixing 50mm/40mm dia PVC waste pipe 910mm long with supply of wooden plugs, screws and cement etc. including cutting holes in walls and making good the damages etc.all complete as per specification and direction of Engineer-in-charge				
a)	600x450x250 mm stainless steel kitchen sink ( Jayna make)	4	each	4906	19624.00

16	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, fixing 15mm 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	2393.2	9572.80
17	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	665.5	2662.00
18	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	599.4	2397.60
19	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	8	each	698.9	5591.20
b)	C P Towel Ring	4	each	466.1	1864.40
20	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	12	each	177.9	2134.80
21	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				
		13	sqm	3200	41600.00
B)	External PH. Works				346711.50

1	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				
		61.58	cum	219.77	13533.44
2	Filling in foundation and plinth with excavated earth including watering and ramming as directed by the E.I.C. etc. complete				
		61.58	cum	146.51	9022.09
3	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				
		5.32	cum	596.28	3172.21
4	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				
		5.21	cum	4591.34	23920.88
5	Supplying all materials, labour, T&P and providing cement concrete ( 1:1.5:3 ) 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				
		2.39	cum	6787.81	16222.87
6	R.C.C. M20 concrete using 20mm & down size cbhg chips 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.				
		3.01	cum	9347.95	28137.33
7	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.				
		18.1	cum	4360.77	78929.94
8	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				
		71.08	sqm	163.84	11645.75
9	Supplying all materials,labour,T&P and providing 12mm thick cement plaster(1:4) with cement punning 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				
		52.76	sqm	145.98	7701.90
10	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.				
		2.66	Qntl	9204.31	24483.46
					<b>216769.86</b>

Construction of 1no Production Tube well by Odex, Rotary.					
1	Supplying all materials ,labour ,T&P and drilling a perfectly vertical bore hole of specified depth below ground level through consolidated and unconsolidated rock with down the hole hammer drilling rigs or combination drilling rigs as required to suit the site condition.all complete as per specification and direction of Engineer-in-charge.including use of own rigs with its accessories, tools and plants and consumables etc. for lowering of 200mm/150mm dia GI/PVC/MS casing pipes for housing fitted with socket and with or without well screen as per the neccessity for soft,medium,hard and boulder formation(GI/PVC/MS) casing pipes,if required to prevent collapse of overburden is to be provided by the contractor including lowering and withdrawing after completion of the tube well 200mm dia to 400mm dia in overburden portion including packing of gravel supplied by the contractor for 400mm dia bore only.				
a)	Drilling 200mm dia bore				
i)	00mtr to 30th mtr	15	mtr	4598.53	68977.95
ii)	30mtr to 60th mtr	20	mtr	5598.43	111968.60
b)	Drilling 150mm dia bore				
i)	60mtr to 210th mtr	69	mtr	914.05	63069.45
2	Supplying all materials ,labour ,T&P and lowering the following size of GI/PVC pipe with or without slotted pipes as per the neccessity from GI up to 30.00mtr depth and fitted and fixed up perfectly vertical position including cutting and threading pipe and slotted pipes and fixing and supplying of all jointing materials T&P etc.complete and keeping the top of the casing pipe threading including plugging tube wells to prevent entry of forein materials from above the ground etc.				
a)	Lowering of 200mm dia M.S. ERW Casing pipe				
i)	00mtr to 60th mtr	34	mtr	116.15	3949.10
3	Supplying all materials ,labour ,T&P and cleaning and developing the tube well with their own compressor continuously worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipments and labours as per direction of Engineer in charge				
a)	By DTH Rotary	1	each	4731.85	4731.85
4	Supplying all materials ,labour ,T&P and providing sanitary sealing worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipments and labours as per direction of Engineer in charge				
a)	Cost of cement for sanitary sealing	1	each	1611.96	1611.96
5	Supplying all materials , labour, T&P and fixing of Submerssible pump with squirrel cage induction type submerssible type submerssible electric motor to run on 3phase /1phase line voltage ranging from 320volt to 450volt conforming to IS:8034/89 with following specification with suitable control panel, jointing with GI/PVC/HDPE pipes,electrification,testing, commissioning, trial running, cost of all materials,conveyance of all materials to worksite , payment of royalty, all taxes etc.all complete as per , P.H. specification and direction of Engineer-in-charge				
a)	1HP. Single phase/three phase 3 stage head range of 30 to 54mtr with discharge capacity 145 to 110 L.M.P. with outlet dia 32mm	1	each	16625.60	16625.60
b)	DOL control panel	1	each	3805.50	3805.50
c)	32mm dia steel short piece	1	each	152.30	152.30
d)	Well cap	1	each	152.30	152.30

e)	50mm size CI brackets	1	each	91.30	91.30
f)	2.5sq mm flat cable	18	mtr	128.10	2305.80
g)	20mm dia rigid UPVC pipe	20	mtr	7.00	140.00
h)	Steel rope with cover	33	mtr	26.70	881.10
i)	Labour charges for lowering including transportation	1	each	2040.20	2040.20
6	Supplying all materials , labour, T&P and providing and fixing to wall or ceiling and floor HDPE pipes conforming to IS:4984/2000 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				
a)	32mm dia HDPE Pipe	30	mtr	99.80	2994.00
<b>TOTAL PH WORK</b>					<b>283497.01</b>
<b>G.TOTAL</b>					<b>846978.37</b>
<b>say</b>					<b>7625494.33</b>
<b>say</b>					<b>7625494.00</b>

Approved for 92 (ninety two ) items only

Rupees seventy six lakh twenty five thousand four hundred ninety four only

B.B.M.Y  
11/01/23  
Assistant Engineer  
NHM, Keonjhar

11/01/2023  
Additional Executive Officer(Technical)  
Zilla Parishad, Keonjhar

**TO BE FILLED BY THE TENDERER**

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

Equal to Estimate Cost  
Excess in Percentage  
Less in Percentage

in Figure

	%
	%
	%

In words


**Notes:-**

- 1) The Tenderer should quote 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 quoted their percentage only inside the space provided for the purpose .
- 4) The percentage quoted at any other place will not be taken into consideration.

Additional Executive Officer(Technical)  
Zilla Parishad, Keonjhar

11/01/2023  
Block Development Officer  
Saharpada

Signature of the Contractor