

GOVERNMENT OF ODISHA



ଓଡ଼ିଶା ସରକାର

PANCHAYATI RAJ & DRINKING WATER DEPARTMENT

PANCHAYAT SAMITI, BONAIGARH

BID DOCUMENT FOR

Name of the work: - Construction of BPHU Building at S.Bolang CHC of Bonai Block of Sundargarh District under XV-FC for the year 2021-22

Block: - BONAI

Scheme: - XV-FC

Tender Cost :- Rs. 6355262.00

Bill of Quantity (BOQ)

Construction of BPHU Building at S.Bolang CHC of Bonai Block of Sundargarh District under XV-FC for the year 2021-22

Sl. No	Item	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed. initial leads and lifts as per the direction of Engineer-in-charge.	117.09	Cum	206.80	24214.22
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete as per the direction of Engineer-in-charge.	79.49	Cum	805.60	64037.15
3	Cement Concrete (1:3:6) using 40mm size hard granite C.B. metal approved quality from approved quarry including hoisting laying using concrete mixture and vibrators including cost, carriage, royalty, cost of all labour T&P etc complete as per the direction of Engineer-in-charge.	25.05	Cum	5264.40	131873.22
4	C.C. (1:2:4) with 12mm and down grade C.B. chips approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and including cost, carriage, royalty, cost of all labour T&P. etc complete as per the direction of Engineer-in-charge.	3.92	Cum	6649.20	26064.87
5	R.C.C. M-20 grade with 20mm and down grade C.B. chips 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 the cost of reinforcement complete as per the direction of Engineer-in-charge.				
	Ground Floor				
5.01	Column base and footing	19.51	Cum	5727.90	111751.33
5.02	Plinth band (Grade beam)	6.90	Cum	6545.80	45166.02
5.03	Lintel	1.98	Cum	12741.30	25227.78
5.04	Chajja	15.79	Sqm	1087.50	17171.63
5.05	Column in Superstructure, Beam	8.97	Cum	13461.30	120747.87
5.06	Roof slab	12.48	Cum	12086.30	150837.03
5.07	Staircase	2.37	Cum	13417.00	31798.29
	First Floor				
5.08	Lintel	1.53	Cum	14305.60	21887.57
5.09	Chajja	11.49	Sqm	1241.10	14260.24
5.10	Column in Superstructure, Beam	7.81	Cum	15168.80	118468.33
5.11	Roof slab	9.59	Cum	13319.80	129654.89
5.12	Staircase	2.37	Cum	15357.10	36396.33
	Second Floor				

5.13	Column in Superstructure, Beam	2.04	Cum	17214.10	35116.77
5.14	Roof slab	2.78	Cum	15235.10	42353.58
6	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 steels as per the direction of Engineer-in-charge.				
6.01	Ground Floor	66.83	Qmt	8898.80	594706.81
6.02	First Floor	26.16	Qmt	8924.40	233462.31
6.03	Second Floor	6.38	Qmt	8951.30	57109.30
7	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 2 percent in cement mortar (1:6) in 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 Engineer-in-charge.	35.37	Cum	4973.10	175898.55
8	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 2 percent in cement mortar (1:6) in Superstructure including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of Engineer-in-charge.				
8.01	Ground Floor	22.21	Cum	5006.10	111185.49
8.02	First Floor	23.86	Cum	5343.90	127505.46
8.03	Second Floor	12.50	Cum	5674.70	70933.75
9	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 2 percent in cement mortar (1:4) 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 Engineer-in-charge.				
9.01	Ground Floor	8.32	Cum	5205.30	43308.10
9.02	First Floor	4.10	Cum	5545.10	22734.91
9.03	Second Floor	3.87	Cum	5875.90	22739.74
10	Supplying M.S. Window grill 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.	919.38	Kgs	76.80	70608.39
11	Labour charge for fitting, fixing of MS door, window, grill, Gate including all cost etc complete as per the direction of Engineer-in-charge.	37.50	Sqm	68.10	2553.75
12	12mm thick C.P. in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of Engineer-in-charge.				

12.01	Ground Floor	169.79	Sqm	152.20	25842.04
12.02	First Floor	132.13	Sqm	155.70	20572.65
12.03	Second Floor	80.30	Sqm	159.40	12799.82
13	16mm thick C.P. in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of Engineer-in-charge.				
13.01	Ground Floor	293.76	Sqm	217.00	63745.92
13.02	First Floor	232.16	Sqm	222.30	51609.17
13.03	Second Floor	60.94	Sqm	227.80	13882.14
14	Supplying, fitting and fixing Vetrified tile in floors treads or steps and landing on 20mm thick cement mortar (1:4) Icement: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.				
14.01	Ground Floor	91.76	Sqm	1145.10	105074.38
14.02	First Floor	112.63	Sqm	1155.60	130155.23
15	Supplying, fitting and fixing Glazed tile in floors treads or steps and landing on 20mm thick cement mortar (1:4) Icement: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.				
15.01	Ground Floor	9.54	Sqm	859.60	8200.59
15.02	First Floor	7.77	Sqm	870.20	6761.46
16	Fixing 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 the direction of Engineer-in-charge				
16.01	Ground Floor	158.49	Sqm	914.30	144907.41
16.02	First Floor	121.17	Sqm	930.20	112712.34
17	Providing fitting, fixing of Aluminium door with anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member with frame section as 9221 by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No. 1855 including all cost of labour, T&P, hire charges of drilling machine, labour charges etc. complete as per the direction of Engineer-in-charge.	78.75	Kgs	562.00	44257.50

18	Providing and fitting of (12 mm thick) Pre-laminated Board Standard Type (ISI) in Aluminium frame of doors including cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.	7.55	Sqm	908.20	6856.91
19	Dressed seasoned sal wood (50mm. to 150mm. & above 2.75m. long.) work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beams as per the direction of Engineer-in-charge.	0.52	Cum	93538.60	48640.08
20	32mm thick teak wood Flush Door complete with iron fitting and wooden hinged cleats etc., fitted and fixed in position including all labour, but excluding the cost of glass panes and iron fittings as per the direction of Engineer-in-charge.	13.39	Sqm	5106.90	68381.40
21	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) (FENESTA / NCI, VEKA LTD.) Three Track - Three Panel sliding window- 60- Series duly manufactured using U.PVC reinforced profiles of 108mm x 45 mm x 2.5 mm for outer frames and Window Sash of 39 mm x 58 mm x 2.5 mm capable of mounting single glazing system, structurally reinforced with hot dip galvanised up to 50 microns of minimum thickness of 1.5 mm prefabricated & welded through fusion welding the window frame shall be fitted with 6 mm thick clear toughened glass of SAINT-GOBAIN make duly fixed with EPDM weathering seal resistant and the system is to be installed using Reinforced Large Coupler at the site using anchor fasteners, silicon rubber sealant, easy glazing deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges, materials and product conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards. as per direction of Engineer-in-charge.	31.58	Sqm	4960.97	156667.44
22	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) (FENESTA / NCI, VEKA LTD.) Ventilator/ Top Hang - 60- Series duly manufactured using UPVC reinforced profiles of 60 mm x 55 mmx2.5 mm for outer frames, 75 mm x 60 mm x 2.25 mm for casement Window Sash Profile capable of mounting single glazing system, structurally reinforced with hot dip galvanised up to 50 microns of minimum thickness of 1.5 mm prefabricated & welded through fusion welding the window sash shall be fitted with 6 mm thick clear toughened glass of SAINT-GOBAIN make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges, materials and product conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards as per direction of Engineer-in-charge.	2.60	Sqm	4960.97	12898.53

23	Providing and fitting of glass pane (6 mm thick black Glass) for sliding windows and ventilators including cost of all materials, labour T&P etc complete as per the direction of Engineer in charge.	31.58	Sqm	1077.70	34033.77
24	20mm thick grading plaster (1:4) in finished smooth over roof slab after cleaning the surface including watering, curing complete with cost, conveyance, royalties and taxes of all materials and cost of all labour. T&P required for the work as directed by the Engineer-in-charge.				
24.01	First Floor	66.71	Sqm	243.70	16257.23
24.02	Second Floor	22.29	Sqm	249.20	5554.67
25	Finishing plastered surface of wall surface with Acrylic wall putty (Water based) & making smooth to receive painting including cost of scaffolding etc. with cost of all materials, labour T&P etc complete as per the direction of Engineer-in-charge.				
25.01	Ground Floor	221.65	Sqm	95.20	21101.08
25.02	First Floor	224.35	Sqm	96.60	21672.21
25.03	Second Floor	49.63	Sqm	98.10	4868.71
26	Priming 1 coat with wall primer (water bond) of any approved shade including all costs complete as per the direction of Engineer-in-charge.				
26.01	Ground Floor	221.65	Sqm	66.00	14628.90
26.02	First Floor	224.35	Sqm	67.50	15143.63
26.03	Second Floor	49.63	Sqm	69.10	3429.44
27	Distemping 2 coats to walls with distemper of approved shade on new work to give an even shade including cost of distemper and labour, T & P. etc complete. as per direction of Engineer-in-charge.				
27.01	Ground Floor	221.65	Sqm	72.40	16047.46
27.02	First Floor	224.35	Sqm	74.10	16624.34
27.02	Second Floor	49.63	Sqm	75.80	3761.96
28	Finishing to the exposed surfaces of wall with weather coat of any approved shade on new work 2 coats over 1 coat of primer to give an even shade including cost of weather coat all cost of all labours and T&P etc complete as per the direction of Engineer-in-charge.				
28.01	Ground Floor	169.79	Sqm	147.20	24993.09
28.02	First Floor	132.13	Sqm	152.70	20176.26
28.03	Second Floor	116.60	Sqm	136.70	18271.22

29	Painting 2 coats with any approved paint in new iron works including sand papering, polishing surfaces, cost of paints, cost of all labour, T&P, etc complete in all floors as per direction of Engg-in charge.				
29 01	Ground Floor	6.59	Sqm	150.60	992.46
29 02	First Floor	8.47	Sqm	156.80	1328.10
30	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C-C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	486.55	Kgs	335.80	163383.49
31	Dismantling brick or stone masonry in cement mortar above 3.00m height including all costs complete. Stacking the useful materials for reuse and removing the debris 50 mtr lead as per the direction of Engineer-in-charge.	3.38	Cum	1203.60	4068.17
32	Providing and fixing of design table with Cupboard consisting of BWR ply wood (ISI) with decorative laminate including all type of fittings such as handle, locks & nuts etc and jointing, finishing to a flush finish bonded with adhesive etc complete as per direction of the Engineer-in-	14.66	Sqm	29833.70	437362.05
33	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 handle, lock magnet, chain, channel, screw, blot & nuts etc. jointing finishing to a flush bonded with adhesive etc. complete as per direction of the Engineer-	24.58	Sqm	15353.30	377384.12
34	Providing, fitting, fixing of false ceiling made out of Decco ceiling tile of any make with aluminum anodised T-Section No 3215 with 2'-0" centre to centre, L-Section no 1705 upto 15 micron on 4 walls to be fixed by means of steel screws and pvc plug and the aluminium grid of 2'-0" x 2'-0" suspended from ceiling etc. complete as per direction of the Engineer-in-charge.	108.92	Sqm	1080.90	117731.63
	P.H Work				
35	Supplying all labour, T&P for earth work in excavation in all kinds of soil within initial lead of 50m and 1.50m initial lift including rough dressing and breaking clods to minimum 5cm to 7 cm and laying in layers not exceeding 0.30cm in depth as per specification complete as per the direction of Engineer-in charge.	14.40	Cum	206.80	2977.92
36	Supplying all materials, labour, T&P for filling in foundation and plinth with sand well watered and rammed including cost, all taxes & royalty of all materials and conveyance of all materials to work site etc. complete as per the direction of Engineer-in-charge.	1.03	Cum	805.60	829.77

37	Supplying all materials,labour,T&P for cement concrete(1:3:6) with 4cm.hard granite metal including cost, all taxes & royalty of all materials,curing and conveyance of materials to the work site etc.complete as per the direction of Engineer-in-charge.	1.44	Cum	5264.40	7580.74
38	Supplying all materials,labour,T&P for cement concrete(1:2:4) with 12cm.hard granite chips including cost, all taxes & royalty of all materials,curing and conveyance of materials to the work site etc.complete as per the direction of Engineer-in-charge.	0.72	Cum	6649.20	4787.43
39	Brick work with Fly Ash bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm2 with dimensional tolerance = 2 percent in cement mortar (1:6) in Foundation and Plinth including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	4.84	Cum	4973.10	24069.81
40	Supplying all materials,labour,T&P for 12mm thick cement plaster (1:4) over brick work including cement punning including cost all taxes,royalty of all materials,curing and conveyance of materials to the work site etc.all complete as per the direction of Engineer-in-charge.	37.31	Sqm	217.00	8096.27
41	R.C.C. M-20 grade with 20mm and down grade C.B. chips 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 the cost of reinforcement complete as per the direction of Engineer-in-charge.	0.89	Cum	12086.30	10756.81
42	Providing M.S. reinforcement for R.C.C. work including cutting, bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20 gauge and cost and carriage of steel as per the direction of Engineer-in-charge.	0.68	Qntl	8898.80	6051.19
43	Construction of 1.20 m dia and 1.65 m deep soak pit as per the direction of Engineer-in-charge.	2.00	Nos	15641.70	31283.40
44	Construction of Inspection Chamber of Inside size 0.60 m x 0.60 m x 0.60 m deep with RCC Cover slab as per the direction of Engineer-in-charge	2.00	Nos	6714.00	13428.00
45	Fixing Wash down water closet (European type W.C) with intigral ' S ' or ' P ' trap conforming to IS 2556:Part 8-2004 to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1: 1) etc all complete as per specification as per the direction of Engineer-in-charge.				
	White vitreous china Wash down water closet (EWC)	5.00	Nos	5234.10	26170.50
46	Providing and Fixing PVC Low level flushing cistern with manually controlled device (hand lever) conforming to IS: 7231,with all fittings and fixtures etc, all complete as per the direction of Engineer-in-charge.				
	10.00 ltrs capacity Low level flushing cistern-White	5.00	Nos	1786.00	8930.00

47	Fixing of Brass Screw -Down Bib Cocks (Tap) Polished bright confirming to IS.781-1995 of the following nominal sizes as per the direction of Engineer-in-charge.				
i	15 mm dia C.P. Brass Long Body Bib Cock (Jaguar make)	5.00	Nos	1033.50	5167.50
ii	15 mm diameter long handle elbow operated bib cock	3.00	Nos	1482.50	4447.50
iii	15 mm diameter Pillar cock	7.00	Nos	696.90	4878.30
iv	Health Faucet with CP tube	5.00	Nos	1582.80	7914.00
48	Fixing of Brass or C.P screw down stop cocks/ concealed stop cock/ angle stop cocks confirming to IS: 781-1995 of the following nominal sizes as per the direction of Engineer-in-charge.				
i	15 mm dia Brass Screw- down Stop Cock	17.00	Nos	656.00	11152.00
ii	125mm CP grating	8.00	Nos	72.90	583.20
49	Fixing Wash Basins with hole for Pillar Taps confirming to IS 2556 Part 4-2004 with Cast Iron or M.S brackets painted white including cutting holes in walls and making good the damages etc all complete as per the direction of Engineer-in-charge.				
	Vitreous China flat back Wash Hand Basin of size 550 mm x 400 mm	7.00	Nos	2897.30	20281.10
50	Supplying all materials, labour, T&P and fixing of stainless steel Laboratory sink with hole for pillar taps with C.I./M.S brackets painted white including holes in walls and making good the damages etc all complete as per PH specification as per the direction of Engineer-in-charge.				
i	Laboratory sink 600mm x 450mm x 300mm	3.00	Nos	8533.40	25600.20
51	Fixing Rational moulded Polyethylene cylindrical vertical water storage tanks confirming to IS:12701--1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra socket jam nut, fixing ball valves etc including hoisting upto a height of 5 mtr above ground level and placing the tank to the required position etc all complete as per specification and direction of Engineer-in- Charge.				
	2000 litres capacity PVC water storage tank	1.00	Nos	30300.00	30300.00
52	Providing and fixing Chlorinated Polyvinyl Chloride (UPVC) Pipes confirming to IS: 15778 having thermal stability for hot & cold water supply, including all UPVC plain & brass threader fittings, fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints etc as per direction of Engineer in Charge.				
	25 mm nominal outer dia pipe	15.00	Mtrs	265.50	9292.50

53	Providing and fixing to wall or ceiling and floor Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming to IS: 15778 of the following nominal bore with clamp including making good the damages to wall, ceiling & floor etc complete as per specification as per direction of Engineer in Charge.				
	20 mm nominal outer dia pipe	8.00	Mtrs	227.10	1816.80
	25 mm nominal outer dia pipe	29.75	Mtrs	302.00	8984.50
54	Fixing of UPVC Ball Valve (Horizontal plunger type) conforming to IS: 1703-1977 as per specification & direction of Engineer-in-charge				
	25 mm dia	2.00	Nos	624.50	1249.00
55	Providing and laying in trenches PVC pipe (4Kg/cm ²) as sewer line and alinging to requisite gradients inside the trench, jointing with solvent cement with 0.08m sand filling in bed, 0.10m C.C (1:4:8) using 40 mm size hbg metal in bed & for intermediate pillar including lowering the pipes to the bed of trench, Earthwork in excavation in all kind of soil, Filling the trenches with excavated earth with watering and ramming and removal of surplus earth, testing of sewer line etc. complete as per the direction of Engineer.in charge.				
i	75 mm PVC Pipe	8.00	Mtrs	843.90	6751.20
ii	110 mm PVC Pipe	8.06	Mtrs	885.10	7133.91
56	Supplying all materials, labour, T&P and fitting and fixing U-PVC, SWR soil waste ventilating pipes and fitting of the following outside diameter conforming to 13592/1992 to walls with nails bobbins and wooden plugs or laying in trenches including with supply of approved rubber lubricant by non-heat application method as per manufactures specification testing earth work in excavation in all kinds of soil and refilling of trenches all complete as per specification and direction of Engineer.in charge.				
i	110 mm U-PVC Pipe	10.00	Mtrs	284.20	2842.00
ii	110 mm U-PVC 'P' trap	5.00	Each	294.20	1471.00
iii	110 mm U-PVC door bend	10.00	Each	302.10	3021.00
iv	110 mm U-PVC Plain bend	10.00	Each	287.10	2871.00
v	110 mm U-PVC Cowl	5.00	Each	77.30	386.50
vi	110 mm U-PVC Coupler	8.00	Each	130.30	1042.40
vii	75 mm U-PVC door bend	4.00	Each	207.50	831.60
viii	75 mm U-PVC Plain bend	8.00	Each	163.80	1310.40
ix	75 mm U-PVC Coupler	8.00	Each	97.60	780.80
57	Fixing 15 mm dia PVC inlet connection pipe and making connection with pillar cocks and supply main for wash basin complete as per specification, & direction of Engineer-in-charge.				
	15mm dia	13.00	Nos	195.40	2540.20

58	Fixing PVC Waste Pipe of the following diameter for sink or wash basin including brass check nut complete as per specification & direction of Engineer-in-charge.				
	32mm dia	9.00	Nos	174.50	1570.50
59	Fixing chromium plated Brass waste of the following nominal diameter for wash basin and sink as per specification & direction of Engineer-in-charge.				
	32mm dia	9.00	Nos	409.70	3687.30
60	Cutting holes through existing brick work including making good the same in cement mortar (1 : 4) for taking G.I / P.V.C pipes and fittings all complete as per specification & direction of Engineer-in-charge.				
i	250 mm thick wall	10.00	Nos	49.60	496.00
ii	375 mm thick wall	6.00	Nos	74.30	445.80
61	Cutting groves in pucca floor and walls for taking G.I PVC pipes and making good the damages as per specification etc all complete as per the direction of Engineer-in-charge.	30.00	Mtrs	182.90	5487.00
62	Fixing bevelled edge mirror of superior glass mounted on 6mm thick AC sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screw & washers complete as per specification as per the direction of Engineer-in-charge.				
	600mm x 450mm Bath room mirror	6.00	Nos	1658.60	9951.60
63	Fixing standard sized chromium plated brass towel ring fixed to wooden plugs with C.P.Brass screws complete as per specification as per the direction of Engineer-in-charge.	10.00	Nos	566.00	5660.00
64	Supplying all materials, labour, T&P and providing, fitting and fixing submersible pump with squirrel cage induction type sumerssible type submerssible electric motor to run on 3phase/ 1 phase line voltage ranging from 320 volt to 450 volt conforming to IS: 8034-89 with following specifications with suitable control panel, jointing with GI/PVC/HDPE pipes, electrification, testing, commissioning, trial running, conveyance of all materials to worksite, payment of taxes etc. all complete as per specification and direction of the Engineer-in-charge (Texno:Crompton Greaves/Kirloskar make)				
i	1H.P Single Phase vertical water cool submerssible pump set with discharge 1800/2200 12 stage head range of 70:90 mtr with discharge capacity with outlet dia 25mm	1.00	Each	19737.20	19737.20
ii	DOL Control Panel	1.00	Each	3060.30	3060.30
iii	Well Cap	1.00	Each	204.02	204.02
iv	40mm dia steel short piece	2.00	Each	204.02	408.04
v	50mm size CI bracket	1.00	Pair	160.27	160.27
vi	2.5mm sq.min Flat Cable	105.00	Mtr	114.00	11970.00
vii	25mm dia PVC Pipe	57.00	Mtr	186.00	10602.00
viii	Labour Charges for lowering including transportation	1.00	Each	3500.00	3500.00
ix	Steel rope with cover	95.00	Mtr	35.70	3391.50

	Borewell				
65	Supplying all labour and drilling perfectly vertical bore holes in boulder formation areas with down the hole hammer drilling rigs or combination drilling rigs to suit the site condition with deployment of rigs ,necessary accessories and consumables for a specified depth below G.L including supply of necessary casing shoe , odex tools and plants , jointing materials ,extra sockets where required withdrawing of pipes , lowering the M.S (ERW) pipes and fitting and fixing in perfectly vertical position including cutting and welding for jointing the pipes for simultaneous casing lowering in over burden boulder formation till encounter of hard rock and to drill 125 mm ODEX up to desired depth as may be necessary cleaning the site and washing bore etc all complete providing sanitary sealing up to 5 meters depth below G.L. as per the direction of EIC.				
	Drilling of 125mm dia 0.00 mtr 55.00 mtr and above	45.00	Mtr	1978.20	89019.00
66	Supplying all labour and drilling perfectly vertical bore holes in boulder formation areas with down the hole hammer drilling rigs or combination drilling rigs to suit the site condition with deployment of rigs ,necessary accessories and consumables for a specified depth below G.L. including supply of necessary casing shoe , odex tools and plants , jointing materials ,extra sockets where required withdrawing of pipes , lowering the M.S (ERW) pipes and fitting and fixing in perfectly vertical position including cutting and welding for jointing the pipes for simultaneous casing lowering in over burden boulder formation till encounter of hard rock and to drill 100 mm DJH up to desired depth as may be necessary ,cleaning the site and washing bore etc all complete providing sanitary sealing up to 5 meters depth below G.L. as per the direction of EIC.				0.00
i	Drilling of 100mm dia 55.00 mtr 105.00 mtr	45.00	Mtr	600.00	27000.00
67	Cost of 125mm. Dia MS Casing Pipe (ERW)	45.00	Mtr	2850.00	128250.00
68	Lowering the following size of G.I./P.V.C./MS housing pipes with or without slotted pipes as per the necessity from ground level up to 45.00m depth and fitted and fixed up in perfectly vertical position including cutting and threading of pipes and slotted pipes and supplying and fixing all jointing materials, tools and plant etc all complete and keeping the top of casing pipe threaded including plugging tube wells to prevent entry of foreign materials as per the direction of Engineer-in-charge.				
i	Lowering of 125 mm dia MS casing pipes	45.00	Mtr	198.10	8914.50
69	Cleaning and developing the tubewell with their own compressor continuously worked till clear and adeequate discharge is obtained from the tubewell including supply and use of all necessary equipments and labours as per the direction of Engineer-in-charge.	1.00	Each	3622.00	3622.00

Electrical					
70	Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC S.C. Cu wire & 1.5 mm ² S.C. Cu FR wire as running earth in 20mm non metallic PVC flexible pipe with 5A modular type switch & c.rose mounted on MS box with front bakelite cover including all accessories and connection as per direction of Engineer in Charge.				
i	Group (A)	40.00	Nos	546.00	21840.00
ii	Group (B)	52.00	Nos	770.00	40040.00
iii	Group (C)	25.00	Nos	1051.00	26275.00
71	Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required (5-6A) as per direction of Engineer in Charge.				
i	On existing board	40.00	Nos	262.00	10480.00
72	Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required (15/16A) as per direction of Engineer in Charge.	6.00	Nos	625.00	3750.00
73	Supplying and fixing batten holder / BK angle holder ISI marked including connection etc as required as per direction of Engineer in Charge.	52.00	Nos	60.00	3120.00
74	Supply, Installation, Testing, and Commissioning of 63 Amp DP main switch	1.00	Nos	2450.00	2450.00
75	Supplying and fixing of 1200mm AC ceiling fans complete	12.00	Nos	2310.00	27720.00
76	Supplying and fixing of 5 step electronic fan regulator complete	12.00	Nos	540.00	6480.00
77	Supplying and fixing of 48" exhaust fan	5.00	Nos	3850.00	19250.00
78	Supplying and fixing of double door 8 way MCB DB with 8 nos of 6-32amp SP MCB (Havells / Legrand)	4.00	Nos	6292.00	25168.00
79	Supplying and fixing of general earthing Earthing with G.I earth pipe 3 meter long 40 mm dia ISI marked as per govt. specification	1.00	Nos	2487.00	2487.00
80	Recessed wiring to submain of following sizes of PVC S.C Cu. Wire -do-				
i	2x1.5mm ² - 1x1.5mm ²	130.00	Mtrs	130.00	16900.00
ii	2x2.5mm ² + 1x1.5mm ²	190.00	Mtrs	144.00	27360.00
iii	2x4.0mm ² - 1x2.5mm ²	160.00	Mtrs	161.00	25760.00
81	SITC of Panel board with following specification Incoming: 100 A 25KA 1PN MCCB-1no, 100A Bus bar, TNP SPD with 32Amp 4P MCB Outgoing: 40A DP MCB-4Nos 63 Amp Change Over 1No with RYB indicator	1.00	Nos	74669.00	74669.00
82	S/F of 35 sq.mm 4 core Armoured cable (Havells, PolyCab)	40.00	Mtrs	350.00	14000.00
83	Supply and Fixing of LED Bulb 9W	8.00	Nos	120.00	960.00

84	Supply and Fixing of LED Tube light box type 20W	4.00	Nos	1011.00	4044.00
85	Supply and Fixing of 45W Street Light	2.00	Nos	4500.00	9000.00
86	Supply and Fixing of Superior type call bell	2.00	Nos	150.00	300.00
87	Supply and Fixing of 15W LED Square Ceiling Light (Havells 6500K)	46.00	Nos	778.00	35788.00
88	Supply,fitting and Fixing of 1.5 Ton 5 star Split type AC (LG / Voltas / Lloyd)	4.00	Nos	51630.00	206520.00
89	Supply,fitting and Fixing of 5 KVA wall mounted voltage stabilizer (V-Guard / Voltas / Microtech)	4.00	Nos	9300.00	37200.00
90	S/F of Safe Guard for AC Machine	4.00	Nos	2300.00	9200.00
91	Installation charges of split type AC machine	4.00	Nos	1800.00	7200.00
				Rs.=	6355261.16
	Total 91 (Ninty One) items	Total Estimated Cost Rs.		Say Rs.=	6355262.00
				(Rupees Sixty Three Lakhs Fifty Five Thousand Two Hundred Sixty Two) Only.	

My quoted rate is % (both in figure & word) Excess over / Less than / Equal to the 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 :-91(Ninty One) Items only


No. of correction :-

No.of overwriting :-

No. of Interpolation :-

Approved for 91 (Ninty One) Items only

Full signature of the Contractor with date.


 Block Development Officer
 Bonai Block
 Sundargarh