

TENDER SCHEDULE

Construction of BPHU at SDH Chittrakonda under Chittrakonda Block of Malkangiri district for the year 2022-23

1	Estimated cost put to tender	Rs.	40,00,295.00		
2	EMD	Presently not applicable as per OM No-8943/18.03.2021 of finance department.			
3	Time of completion	6Months			
4	Cost of tender paper	Rs. 6000.00			
5	Class of Contractor	"B" Class			
Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
1	Earth work in excavation of foundation with all kinds of soil within initial lead & lift including rough dressing & leveling the bed and making fit for laying concrete with removing the excavated materials away from worksite including Cess as directed by the E.I.C. complete in all respect.	100 Cum	84.80 cum	230.73	Rs. 19,565.90
2	Filling sand on foundation trenches with well watered, rammed including all cost, conveyance, royalty including Cess of materials with labour, T&P etc.complete as per specification and direction of the Engineer-in-charge.	One Cum	37.31 cum	376.06	Rs. 14,030.80
3	Plain Cement concrete(1:3:6) in foundation and plinth with 40mm size and down graded crusher broken hard granite metal of approved quality from approved quarry including hoisting ramming, lowers not exceeding 150mm thick with proper packing including curing, dewatering, shoring, shuttering if necessary at the time of laying concrete with cost, conveyance, including Cess, royalty, taxes of all materials required for the work including supplying and working of pumps, T&P articles & finishing the exposed surface smooth as per specification and direction of the E.I.C. etc complete in all respect	One Cum	23.99 cum	4725.59	Rs. 1,13,366.90
4	CB Brick (23x11x8cm) size having crushing strength not less than 75kg/ cm ² with cement mortar (1:6) in foundation and plinth per cum as directed by the Engineer-in-charge.	One Cum	22.14 cum	4359.77	Rs. 96,525.31

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
5	R.C.C. work with M-20 grade In Different Works having minimum compressive strength in work test of 200 Kg/Cm ² at 28 days using 20 mm and down graded size black hard crusher broken granite stone chips of approved quality and from approved quarry including hoisting lowering and laying concrete and compacting by using vibrators watering, curing for 28 days, centring & shuttering and finishing the exposed surface smooth providing grooves or beads where necessary in all floors including cost, conveyance, royalties and taxes of all materials, cost of all labour with cost of all T&P required for the work etc. complete in all respect but excluding cost and conveyance of M.S. rods or steel & binding wires and labour charges for strengthening, cutting, bending grills and placing in proper position.				
A	Column Base	One Cum	14.02 cum	5453.19	Rs. 76,453.72
B	Plinth beam	One Cum	6.04 cum	5821.36	Rs. 35,161.01
C	Column Shaft				
(i)	Ground Floor	One Cum	2.71 cum	12858.28	Rs. 34,845.94
(ii)	1st Floor	One Cum	2.71 cum	13793.33	Rs. 37,379.92
(iii)	2nd Floor	One Cum	1.11 cum	15564.48	Rs. 17,276.57
D	Lintel				
(i)	Ground Floor	One Cum	1.52 cum	9047.62	Rs. 13,752.38
(ii)	1st Floor	One Cum	1.58 cum	9873.40	Rs. 15,599.97
E	Chajja (65mm Thick)				
(i)	Ground Floor	One Sqm	7.20 sqm	831.78	Rs. 5,988.82
(ii)	1st Floor	One Sqm	8.10 sqm	1002.75	Rs. 8,122.28
(iii)	2nd Floor	One Sqm	1.20 sqm	1193.20	Rs. 1,431.84
F	Roof Beam				
(i)	Ground Floor	One Cum	5.46 cum	11345.69	Rs. 61,947.47

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
(ii)	1st Floor	One Cum	4.89 cum	12631.09	Rs. 61,766.03
(iii)	2nd Floor	One Cum	0.64 cum	14169.81	Rs. 9,068.68
G	Roof Slab				
(i)	Ground Floor	One Cum	15.25 cum	9727.90	Rs. 1,48,350.48
(ii)	1st Floor	One Cum	13.37 cum	10294.75	Rs. 1,37,640.81
(iii)	2nd Floor	One Cum	1.44 cum	11366.19	Rs. 16,367.31
H	Stair Case				
(i)	Ground Floor	One Cum	1.91 cum	10824.28	Rs. 20,674.37
(ii)	1st Floor	One Cum	1.91 cum	12005.40	Rs. 22,930.31
6	Straightening cutting, bending bent up or coiled rods, including cranking, hooking, welding or jointing the M.S. rods or tor confirming to I.S. 432 (Plain) and 1785 (Tor) steel and binding, tying the grills, hoisting, lowering and placing in proper position required for R.C.C. works including cost, conveyance and taxes of M.S. rods or tor steel and binding wires of 18 to 20 gauge and cost of all labour with all T&P required for the work etc. complete as directed by the Engineer-in-Charge.				
(i)	Ground Floor	One Qtl	55.76 qntl	9196.51	Rs. 5,12,797.40
(ii)	1st Floor	One Qtl	29.08 qntl	9217.71	Rs. 2,68,051.01
(iii)	2nd Floor	One Qtl	4.13 qntl	9239.96	Rs. 38,161.03
7	CB Brick (23x11x8cm) size having crushing strength not less than 75kg/cm ² with cement mortar (1:6) in Superstructure per cum as directed by the Engineer-in-charge.				
(i)	Ground Floor	One Cum	33.61 cum	4697.48	Rs. 1,57,882.30
(ii)	1st Floor	One Cum	36.90 cum	4935.08	Rs. 1,82,104.45
(iii)	2nd Floor	One Cum	13.07 cum	5208.33	Rs. 68,072.87

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
8	Providing 16 mm thick cement plaster with cement mortar of mix (1:6) with screened and washed sharp sand for mortar and finished smooth to the rough surface of walls in all heights after racking out joints including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties and taxes of all materials with cost of all labour, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.				
(i)	Ground Floor	One Sqm	265.98 sqm	211.54	Rs. 56,265.41
(ii)	1st Floor	One Sqm	256.67 sqm	215.93	Rs. 55,422.75
(iii)	2nd Floor	One Sqm	24.80 sqm	220.44	Rs. 5,466.91
9	Providing 12 mm thick cement plaster with cement mortar of mix (1:6) with screened and washed sharp sand for mortar and finished smooth to the rough surface of walls in all heights after racking out joints including watering and curing, rounding of corners, providing grooves where ever necessary with cost, conveyance, royalties and taxes of all materials with cost of all labour, T&P, and scaffolding required for the work etc. complete in all respect as directed by the Engineer in charge.				
(i)	Ground Floor	One Sqm	180.38 sqm	149.21	Rs. 26,914.50
(ii)	1st Floor	One Sqm	180.38 sqm	154.13	Rs. 27,801.97
(iii)	2nd Floor	One Sqm	101.25 sqm	159.29	Rs. 16,128.11

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
10	Supplying, fitting, fixing of Homogeneous tile in floors marbonite or equivalent make in all floors using Vetrified tile over 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost, conveyance and taxes of all materials, cost of all labour, T&P etc. complete as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	83.30 sqm	987.25	Rs. 82,237.93
(ii)	1st Floor	One Sqm	83.30 sqm	996.00	Rs. 82,966.80
11	Supplying, fitting & fixing of Granite tiles on floor including of all cost, conveyance etc all complete.including cost, conveyance and taxes of all materials, cost of all labour, T&P etc. complete as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	6.01 sqm	2221.35	Rs. 13,350.31
(ii)	1st Floor	One Sqm	4.27 sqm	2230.10	Rs. 9,522.53
12	Supplying, fitting, fixing of Industrial tile in floors marbonite or equivalent make in all floors using Vetrified tile over 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost, conveyance and taxes of all materials, cost of all labour, T&P etc. complete as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	10.40 sqm	876.60	Rs. 9,116.64
(ii)	1st Floor	One Sqm	25.40 sqm	885.35	Rs. 22,487.89
13	Providing fitting & fixing of Ceramic tiles in dado including cost, conveyance etc complete. including cost, conveyance and taxes of all materials, cost of all labour, T&P etc. complete as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	16.37 sqm	781.27	Rs. 12,789.39
(ii)	1st Floor	One Sqm	50.68 sqm	794.43	Rs. 40,261.71

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
14	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 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, cost of all labour, T&P etc. required for the complete in all respect as per direction of the Engineer-in-charge.				
(i)	Ground Floor	One Kg	73.36 Kg	287.45	Rs. 21,087.33
(ii)	1st Floor	One Kg	73.36 Kg	287.45	Rs. 21,087.33
15	Supplying of M.S. Grills, M.S.Doors, M.S. Gate etc including cost,conveyance of all materials etc.complete as per the instruction of Engineer-in-Charge .				
(i)	Ground Floor	One Sqm	611.10 Kg	74.05	Rs. 45,251.96
(ii)	1st Floor	One Sqm	661.50 Kg	74.05	Rs. 48,984.08
(iii)	2nd Floor	One Sqm	68.00 Kg	74.05	Rs. 5,035.40
16	Painting two coats with approved weather coats of approved colour, shade on wall surface over a coat of wall primer including sand papering, polishing the surface, cost, conveyances, taxes of all materials and cost of all labour with T&P etc, complete as per specification & direction of Engineer-in-charge.				
(i)	Ground Floor	One Sqm	180.38 sqm	132.83	Rs. 23,959.88
(ii)	1st Floor	One Sqm	180.38 sqm	137.36	Rs. 24,777.00
(iii)	2nd Floor	One Sqm	13.07 sqm	142.12	Rs. 1,857.51

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
17	Finishing plastered surfaces of walls with cement putty (water based) of approved make and finishing the surface smooth and even by sand papering to receive paint in walls, at all heights with staging wherever necessary with cost, conveyance, taxes of all materials, cost of all labour, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	219.83 sqm	67.52	Rs. 14,842.92
(ii)	1st Floor	One Sqm	295.73 sqm	68.71	Rs. 20,319.61
(iii)	2nd Floor	One Sqm	24.80 sqm	69.94	Rs. 1,734.51
18	Plastic emulsion paint two coats of approved shade on new work.. including cost, conveyance, taxes of all materials, cost of all labour, T&P etc. complete as per the direction of the Engineer-in-charge.				
(i)	Ground Floor	One Sqm	219.83 sqm	139.22	Rs. 30,604.73
(ii)	1st Floor	One Sqm	295.73 sqm	142.81	Rs. 42,233.20
(iii)	2nd Floor	One Sqm	24.80 sqm	146.55	Rs. 3,634.44
19	Painting two coats to new Iron work with approved enamel paints of approved colour, shade over a coat of primer including sand papering, polishing the surface, cost, conveyances, taxes of all materials and cost of all labour with T&P etc, complete as per specification & direction of Engineer-in-charge.				
(i)	Ground Floor	One Sqm	69.64 sqm	138.29	Rs. 9,630.52
(ii)	1st Floor	One Sqm	73.60 sqm	141.40	Rs. 10,407.04
(iii)	2nd Floor	One Sqm	6.12 sqm	144.60	Rs. 884.95
20	2.5cm thick grading concrete (1:2:2) on roof slab with 12mm & down graded size hard granite chips on old work per Sqm.	One Sqm	12.11 sqm	366.98	Rs. 4,444.13

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
21	Providing, fitting & fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick prelaminated board in bottom and top portion fixed on door frame by means of tapered clip No.4660 and 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.	One Kg	379.94 Kg	433.80	Rs. 1,64,817.97
22	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No.4095, 4096 & 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, cess labour, T&P but excluding cost of glass etc. complete and as per direction of Engineer-in-charge.	One Sqm	95.06 sqm	598.80	Rs. 56,921.93
23	Cost of 5mm thick black glass	One Sqm	25.41 sqm	552.34	Rs. 14,034.96
24	12mm Thick prelaminated particle board	One Sqm	8.91 sqm	589.79	Rs. 5,255.03
Internal Electrification Works					
24	Recessed wiring to Light point/ Exhaust Fan point with 1.5 Sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC flexible conduit with 5 Amp, 250V piano type switch ISI marked & ceiling rose ISI marked mounted on MS box having front backlite cover of suitable size. MS box with 1.0Sqmm PF PVC insulated single core multistrand copper conductor as earth wire including all accessories & connection as per direction of engineer in charge (Make of wire = Finolex/ L&T/ Anchor/ Havels/ V-Guard) (deducting the cost of S/F of 100mm X 100mm X 60mm M.S. Box with bakelite cover -				
a)	- Do - Group A (1.2.1-1.24.2)	Point	18	292.00	Rs. 5,256.00
b)	- Do - Group B (1.2.2-1.24.2)	Point	18	511.00	Rs. 9,198.00
c)	- Do - Group C (1.2.3-1.24.2)	Point	14	786.00	Rs. 11,004.00
25	Recessed wiring to Fan point in				

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
a)	- Do - Group B (1.2.2-1.24.2)	Point	18	511.00	Rs. 9,198.00
26	Recessed wiring to Call bell point in				
a)	- Do - Group B (1.2.2-1.24.2)	Point	2	511.00	Rs. 1,022.00
27	Recessed wiring to Exhaust Fan point in				
a)	- Do - Group B (1.2.2-1.24.2)	Point	11	511.00	Rs. 5,621.00
b)	- Do - Group C (1.2.3-1.24.2)	Point	4	786.00	Rs. 3,144.00
28	S/F of Angle holder replacing ceiling rose	Each	16	16.00	Rs. 256.00
29	S/F of 5A Switch & 5A Socket outlet of ISI marked on existing board (1.25.1+1.25.4)	Each	14	86.00	Rs. 1,204.00
30	S/F of extension board with Metal box of 180mm X 100mm X 60mm deep (Normal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing of 2 nos. of 3 pin 5/6 AMP socket out let & 2 nos. of 5/6 AMP piano type switch, connection, painting etc as required (1.24.5+2X(1.25.1+1.25.4))	Each	14	308.00	Rs. 4,312.00
31	S/F of 20A SPN MCB industrial socket (2.12)	Each	8	591.44	Rs. 4,731.52
32	S/F of Power point with metal box of 180mm X 100mm X 60mm deep (Normal size) in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 15/16 AMP piano type switch & socket, connection, painting etc as required (1.27)	Each	8	296.00	Rs. 2,368.00
33	S/F of 1 no. of 5 pin 15/16 AMP socket with switch & 1 no. of 15/16A top & 1 no. of mini MCB, with metal box of 180mm X 100mm X 60mm deep (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front with connection, painting etc as required for Inverter connection	Each	4	612.00	Rs. 2,448.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
34	S/F of 16/18 SWG metal box of following sizes (Nominal size) in recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required				
a)	150×75×60 (1.24.3)	Each	4	123.00	Rs. 492.00
b)	180×100×60 (1.24.5)	Each	4	136.00	Rs. 544.00
c)	250×100×60 (1.24.7)	Each	14	170.00	Rs. 2,380.00
35	Wiring for circuit / sub-main wiring along with earth wire with following sizes of PVC insulated single core multistand copper conductor with ISI marked conforming to IS-694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire Finolex/L&T/Anchor/Havels/V-guard)				
a)	2×1.5+1×1.0 (1.8)	Mtrs	48	123.00	Rs. 5,904.00
b)	2×1.5+1×1.5 (1.8.1)	Mtrs	18	124.00	Rs. 2,232.00
c)	2×2.5+1×1.5 (1.8.2)	Mtrs	158	138.00	Rs. 21,804.00
d)	2×4+1×1.5 (1.8.3)	Mtrs	210	155.00	Rs. 32,550.00
e)	Inverter wiring (1×1.5mm) Copper wire (1.19.1)	Mtrs	175	45.00	Rs. 7,875.00
36	S/F of 'B/C/D' series SP MCB of 5-32A AMP rating (as per direction of engineer in charge) 240Volt for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP) (2.6.1)	Each	18	129.00	Rs. 2,322.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
37	Supply, installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface / wall mounting & complete with H.R.C fuse link, inter connections earthing etc as required as per direction of Engineer in charge (Make- Siemens/HPI/Anchor/L&T/Havel/C&S				
a)	S/F of MCB 4 way Single door (2.3.1 (a))	Each	4	857.00	Rs. 3,428.00
b)	S/F of MCB 4 way Double door (2.3.5)	Each	6	1185.00	Rs. 7,110.00
38	Supply, installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface / wall mounting & complete with H.R.C fuse link, inter connections earthing etc as required as per direction of Engineer in charge (Make- Siemens/HPI/Anchor/L&T/Havel/C&S				
a)	S/F of 32A ICDP main switch with MS box of 200mm X 250mm X 60mm deep ((2.15.1)+(1.24.14))	Each	2	1067.00	Rs. 2,134.00
b)	S/F of 63A ICDP main switch with MS box of 250mm X 300mm X 60mm deep ((2.15A)+(1.24.16))	Each	2	2307.00	Rs. 4,614.00
39	Earthing with G.I earth pipe 3 mtr Long 40mm dia ISI marked including accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe	Set	1	2423.00	Rs. 2,423.00
40	Supply & laying 6 SWG G.I wire in recess for loop earthing as required (3.17)	Mtrs	8	50.00	Rs. 400.00
41	Providing & fixing plain 16/0.2mm twin twisted flexible, FR PVC insulated copper cable in polythene sleeve or conduit of suitable size on the floor/wall or side of the table/ door etc as required (1.31)	Mtrs	8	18.00	Rs. 144.00
42	Supply, installation testing & commissioning of exhaust fan upto 450mm sweep in the existing opening, including making the hole to suit the size of the above fan making good the damaged complete, connection etc as required (1.43)	Each	6	1955.00	Rs. 11,730.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
43	S/F of Call bell/Buzzer (Ding dong type) ISI marked suitable for DC/AC single phase 230 volts complete as required.	Each	2	119.00	Rs. 238.00
44	S/F of computer board consisting of 4 nos. of 5 AMP plug and switch and 6 AMP mini MCB. Indicator complete with wiring on (200mm X 250mm X 75mm) deep M.S. box with B.K. cover (1.25.1 + 1.25.4) X 4 + 1.24.9 + 2.6.1	Each	10	763.00	Rs. 7,630.00
45	S/F of 18-25 Watt LED tube light fitting with all accessories and connections (Make:HPL-Neptune Havells-Elite LED Pride Plus/PAC/Crompton-RetroPLL	Each	28	698.00	Rs. 19,544.00
46	Supply of 1200mm A.C Ceiling fan with all accessories and connections with out fan regulator (Make:Usha-Striker Milenium/Crompton-Jura/Anchor-XL/Havels-Velocity/Spark/Orient-Summer pride)	Each	18	2440.00	Rs. 43,920.00
47	S/F step type fan regulator	Each	18	375.00	Rs. 6,750.00
48	Supply and fixing of superior type C.I bulk head fitting with 9W LED Bulb for general domestic use ISI marked square / oval type with premetallic glass cover provided with galvanized steel wire guard including necessary connections (M-5)	Each	18	585.00	Rs. 10,530.00
49	Supply & fixing of 45-48 Watt single LED street light fitting with LED & Electric driver including all accessories and connections (Make: Crompton/Phillips/HPL/Polycab/Havells)	Each	6	5751.00	Rs. 34,506.00
50	S/F of fan hook 'S' type made of 16 mm MS rod for fixing in the existing RCC roof	Each	12	210.50	Rs. 2,526.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
51	S/F of 6 Sqmm twin core unbonded aluminium service connection wire with no. 10 G.I. Guard wire to support the aluminium wire	Mtrs	48	40.50	Rs. 1,944.00
52	S/F of 1100 VA UPS, Make: Luminous, Model-ECO Watt + Rapid 1250	Each	2	10263.00	Rs. 20,526.00
53	S/F of 150 AH Battery. Make: Luminous, Model-ILTJ18030N	Each	2	15654.00	Rs. 31,308.00
	PH Works				
54	Earthwork in all kinds of soil in excavation of foundation trenches within 50m initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.30m in depth etc all complete as per direction of the E.I.C. Initial lift upto 1.5 mtr, a. 3.04 m x 1.94 m x 1.50 m = 8.846 cum	Cum	8.85	199.68	Rs 1,766.37
55	From 1.5 mtr to 3.0 mtr depth, 3.04m x 1.94 m x 0.70 m = 4.128 cum	Cum	4.13	214.35	Rs 884.84
56	Supplying all materials, labour, T&P and filling in foundation and plinth with river sand well watered and rammed including conveyance of all materials to work site, payment of royalty, taxes etc all complete as per the direction of the E.I.C. 3.04 m x 1.94 m x 0.15 m = .884	Cum	0.88	417.90	Rs 369.42
57	Supplying all materials, labour, T&P and providing cement concrete (1:3:6) with 40mm H.G metal including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. 3.04 m x 1.94 m x 0.10 m = 589	Cum	0.59	4433.20	Rs 2,611.15

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
58	Supplying all materials, labour, T&P and providing plain cement concrete (1:1.5:3) with 12mm size H.G chips including watering, curing and conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. $3.04 \text{ m} \times 1.94 \text{ m} \times 0.10 \text{ m} = .589 \text{ cum} + 2.04 \text{ m} \times .94 \text{ m} \times 0.038 \text{ m} = 0.072 \text{ Cum}$	Cum	0.66	6341.50	Rs 4,191.73
59	Supplying all materials,labour, T&P and providing Brick work with K.B.Brick having crushing strength not less than 75 Kg/CM^2 with dimensional tolerance of +/- 8% in C.M including watering, curring, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C.In Foundation and Plinth in C:M (1:4) $a.2 \times (2.74+ .94) \text{ m} \times 0.35 \text{ m} \times 1.10 \text{ m} = 2.833 \text{ cum} + 2 \times (2.5+ .94) \text{ m} \times 0.23 \text{ m} \times 0.80 \text{ m} = 1.265 \text{ cum}$	Cum	4.10	4225.60	Rs 17,316.51
60	In Foundation and Plinth in C:M (1:6) $1 \times 0.40 \text{ m} \times 0.40 \text{ m} \times 0.60 \text{ m} = 0.096 \text{ cum}$	Cum	0.10	4036.70	Rs 387.52
61	Supplying all materials, labour, T&P and providing cement plaster on brick/stone work including watering,curring and conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. 12 mm thick C.P in C:M (1:3), $2 \times (2.04+.94) \text{ m} \times 1.90 \text{ m} = 11.324 \text{ sqm} + (2.04 \times .94) \text{ m} = 1.917 \text{ sqm} + (4 \times 0.40 \times 0.60 \text{ m}) = 0.96 \text{ sqm}$	Sqmt	14.20	154.60	Rs 2,195.47

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
62	Supplying all materials, labour, T&P and providing cement punning on plastered surface including watering, curing and conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. Same as above item 20mm C.P in 1:3	Sqmt	13.24	30.60	Rs 405.17
63	Supplying all materials, labour, T&P and providing rigid and smooth centering and shuttering for RCC work including false work and dismantling them after casting including conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. $2 \times (2.5 + 2.631.4) \text{ m} \times 0.10 \text{ m} = .78 \text{ sqm}$ $+(2.04 \times .94 \text{ m}) = 1.917 \text{ sqm}$	Sqmt	2.70	430.60	Rs 1,161.33
64	Supplying all materials, labour, T&P and providing M.S.reinforcements for RCC work including cutting, bending, binding, straightening and tying the grills and placing in position including cost of binding wire 18 to 20 gauge conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C.	Qntl	0.31	5046.60	Rs 1,569.49
65	Supplying all materials, labour, T&P and providing Reinforced cement concrete (1:1.5:3) with 12mm size H.G chips including watering, curing and conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. $2.5 \text{ m} \times 1.4 \text{ m} \times 0.10 \text{ m} = .29 \text{ cum}$	Cum	0.39	6341.50	Rs 2,473.19

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
66	Supplying all materials, labour, T&P and making M.S. Step Iron in 8mm Dia M.S Steel bars and fixing into walls of Manhole/ Septic Tanks duly embedded in C.C(1:2:4) etc all complete as per P.H specification and direction of the E.I.C.	Each	5.00	110.40	Rs 552.00
67	Supplying all materials, labour, T&P and providing 50mm thick pre-cast R.C.C. baffle wall in R.C.C (1:1.5:3) including reinforcement cage using 12mm size HG chips fitted and fixed in position, finished smooth etc. complete including cutting grooves and mending good the damages etc all complete as per P.H specification and direction of the E.I.C. 1.150 m x 0.45 m	Sqmt	0.52	655.50	Rs 338.89
68	Supplying all materials, labour, T&P and providing 160mm dia P.V.C Tee inside the septic tank including cutting holes and duly embedded in P.C.C (1:1.5:3) using 12mm size HG chips fitted and fixed in position and mending good the damages etc all complete as per P.H specification and direction of the E.I.C.	Each	2.00	570.40	Rs 1,140.80
69	Supplying all materials, labour, T&P and providing 12mm thick cement flush pointing in C:M (1:3) to Brick Masonry works including watering curring and conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of the E.I.C. 2 x (2.74 + 1.64) m x 1.10 m = 9.636 Sqm + 2 x (2.5+ 1.4) m x .80 m = 6.24 Sqm + 2 x (2.74+ 1.4) m x 0.12 m = .993 Sqm	Sqmt	27.24	138.30	Rs 3,767.02
70	Supplying all materials, labour, T&P and filling Foundation and Plinth with excavated earth including watering, ramming etc all complete as per direction of the E.I.C.	Cum	2.67	112.05	Rs 299.17

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
71	supplying all materials, labour, T&P and cutting grooves in pucca Floors, and walls for taking G.I/PVC pipes and fittings and repairing the holes after insertion of pipes etc with C.C (1:3:6) including finishing with 12mm C.P (1:3) complete so as to make it leak proof etc. all complete as per P.H. specification and direction of E.I.C.	Mtr	22.00	164.30	Rs 3,614.60
72	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 including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing etc all complete as per P.H specification and direction of the E.I.C. 110 mm diameter U-PVC SWR pipes	Mtr	42.00	207.50	Rs 8,715.00
73	110mm U-PVC SWR P-trap	Each	6.00	299.70	Rs 1,798.20
74	110mm U-PVC SWR single junction door	Each	6.00	296.70	Rs 1,780.20
75	110mm U-PVC SWR door bend	Each	6.00	204.70	Rs 1,228.20
76	110mm U-PVC SWR Offset	Each	6.00	180.50	Rs 1,083.00
77	110mm U-PVC SWR plain bend	Each	6.00	147.00	Rs 882.00
78	110mm U-PVC SWR vent cowl	Each	6.00	77.30	Rs 463.80
79	75mm diameter U-PVC SWR pipes	Mtr	37.00	123.80	Rs 4,580.60
80	125 mm dia C.P Grating	Each	18.00	70.00	Rs 1,260.00
81	Supplying all materials, labour, T&P and fixing water closet, squatting pan (Indian type W.C pan/Orissa pattern squatting pan) duly embedded in cement concrete (1:5:10) using 4cm size hard granite metal including fixing a pair of vitreous china 250mm x 130mm x 30mm footrest etc all complete as per specification and direction of the E.I.C. 580mm size orissa Pan (Hindware/parryware)	Each	2.00	2808.60	Rs 5,617.20

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
82	Supplying all materials, labour, T&P and fixing wash down water closet (E.W.C) with integral 'S' or 'P' trap to the floor with wooden plug and C.P screw including jointing the trap with soil waste pipe in C.M (1:1) etc all complete as per specification and direction of the E.I.C.	Each	3.00	2642.20	Rs 7,926.60
83	Supplying all materials, labour, T&P and fixing of plastic seat cover of E.W.C. with chromium plated brass hinges and rubber buffer etc all complete as per specification and direction of the E.I.C.	Each	4.00	522.30	Rs 2,089.20
84	Supplying all materials, labour, T&P and fitting & fixing 10 Litres capacity low level cistern with a pair of cast iron of m.s. brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float, c.p. brass handle, unions and couplings for connection with inlet, outlet and overflow pipe. 32 mm C.P flush bend 15mm PVC inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main etc. all complete as per specification and direction of E.I.C. (Cerra/Parry ware / Hindware)	Each	5.00	1454.40	Rs 7,272.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
85	Supplying all materials, labour, T&P and laying in trenches U-PVC SWR/4kg/cm ² soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No. 13592/1992 including jointing with supply to approved rubber lubricant by non-heat application method/ as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and providing bed concrete in P.C.C. (1:4:8) using 40mm size metal and haunch top the pipe with refilling of trenches etc all complete as per P.H. specification and direction of the E.I.C 110mm dia PVC pipe hauch top	Mtr	14.00	844.10	Rs 11,817.40
86	Supplying all materials, labour, T&P and laying in trenches U-PVC SWR/4kg/cm ² soil waste ventilating pipes for sewer line of following dia in trenches (to slope or level) and jointing with supply of approved solvent cement by non-heat application method C.C (1:3:6) using 40mm size hard granite metal on bed of the trenches and all round concrete encasing with C:C (1:4:8) using 40 mm size H.G metal, earthwork in excavation in trenches in all kinds of soil, refilling the same in a layer of 0.30 mtr with wtering, ramming and removing of surplus earth, testing the S.W. pipeline etc. all complete as per approved drawing, specification and direction of the E.I.C 160mm dia PVC pipe all round	Mtr	6.00	1642.80	Rs 9,856.80

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
87	Supplying all materials, labour, T&P and providing, laying soakway gallery with SW/PVC pipes, jointing lead loose packed allround with stone boulders 50mm to 150mm other than granite, covered at top with a layer of flat tiles 300mmx300mmx25mm including earthwork in excavation of trenches in all kinds of soil to an average depth of 1.5 mtr, covering of earth at the gallery top etc. all complete as per approved drawing and direction of the E.I.C. 160 mm dia PVC gallery	Mtr	6.00	1242.50	Rs 7,455.00
88	Supplying all materials, labour, T&P and constructing Inspection Chamber of the following sizes with cement concrete (1:3:6) using 40 mm size HG metal on bed 1st class KB Bricks work in CM (1:6) moulding and shaping the channel inside and benching with C.C (1:1.5:3) using 12mm size H.G. chips, 12mm thick cement plaster (1:3) with punning to inside, cement flush pointing (1:3) to outside, RCC cover slab in C.C (1:1.5:3) using 12mm HG chips with RCC man hole cover, earth work excavation in all kinds of soil and refiling the cavity around the chamber including watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved specification and direction of E.I.C inside size 760mm x 760mm x 460mm.	Each	3.00	7019.60	Rs 21,058.80

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
87	Supplying all materials, labour, T&P and constructing Gully Trap Chamber of the following sizes with 8 cm thick precast cover in CC (1:2:4) mix using 12mm size H.G chips, foundation concrete (1:4:8) using 40mm size HG metal on bed and around trap, 1st class KB Bricks work in CM (1:6) in F&P and inside 12mm thick cement plaster (1:3) finished with a floating coat of neat cement including fixing 100mmX100mm size HCI gully trap 150mmX150mm size C.I grating etc. all completed as per approval drawing, specification and direction of E.I.C.	Each	5.00	1432.90	Rs 7,164.50
90	Supplying all materials, labour, T&P and constructing Gully Trap Chamber of the following sizes with 8 cm thick precast cover in CC (1:2:4) mix using 12mm size H.G chips, foundation concrete (1:4:8) using 40mm size HG metal on bed and around trap, 1st class KB Bricks work in CM (1:6) in F&P and inside 12mm thick cement plaster (1:3) finished with a floating coat of neat cement including fixing 100mmX100mm size HCI gully trap 150mmX150mm size C.I grating etc. all completed as per approved specification and direction of E.I.C. 1.20 m dia X 2.0 m deep soakway pit	Each	2.00	13376.50	Rs 26,753.00
91	Construction of RCC Ring Soak way pit (1.22 m dia X 2.00m Deep)	Each	2.00	5392.20	Rs 10,784.40

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
92	Supplying all materials, labour, T&P and fixing wash basins (Hindware, Parryware) with C.I or M.S brackets painted white including cutting holes in walls and making good the damages with supply to wooden plugs, screws and cement etc, fixing PVC waste pipe of 32mm nominal diameter for wash basin including brass check nut complete, fixing 32mm dia CP brass waste, etc all complete as per specification and direction of E.I.C. 550mm X 400mm W.H Basin	Each	5.00	2264.30	Rs 11,321.50
93	Supplying all materials, labour, T&P and fixing Laboratory sink with C.I/M.S brackets painted white including holes in walls and making good the damages fixing PVC waste pipe of 32mm nominal diameter including brass check nut complete, fixing 32mm dia CP brass waste, etc all complete as per specification and direction of E.I.C. 610mm X 150mm X 200mm	Each	2.00	4278.30	Rs 8,556.60
94	Supplying all materials, labour, T&P and fixing Stainless Steel kitchen sink with C.I/M.S brackets painted white including holes in walls and making good the damages fixing PVC waste pipe of 32mm nominal diameter including brass check nut complete, fixing 32mm dia CP brass waste, etc all complete as per specification and direction of the E.I.C. 550mm X 404mm X 200m Stainless steel kitchen sink.	Each	1.00	4004.40	Rs 4,004.40

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
95	Supplying all materials, labour, T&P and fixing mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden plugs with CP screws and washers complete as per specification and direction of the E.I.C. Mirror with plastic moulded frame.	Each	5.00	781.10	Rs 3,905.50
96	Supplying all materials, labour, T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the E.I.C 20mm X 450mm long CP towel rail	Each	5.00	798.80	Rs 3,994.00
97	Supplying all materials, labour, T&P and fixing soap holder complete with CP brass fixed to wooden plugs with CP screw as per specification and direction of the E.I.C. CP soap holder	Each	5.00	262.40	Rs 1,312.00
98	Supplying all materials, labour, T&P and fitting and fixing of C.P Shower (Parryware, Hindware) with 15mm or 20mm inlet with C.P Shower arm including polishing etc all complete as per specification and direction of the E.I.C. 15mm X 150mm X dia CP Shower with arm	Each	5.00	548.00	Rs 2,740.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
99	Supplying all materials, labour, T&P fitting and fixing of Rotational moulded polythene cylindrical vertical water storage tank conforming to 15701/1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jamnuts, including hoisting upto a height of 5 mtr above G. Land placing the tank in required position including conveyance of all materials to work site, payment of royalty, taxes etc. all complete as per P.H specification and direction of the E.I.C 1000 Ltrs capacity on the roof of GF	Each	2.00	8941.90	Rs 17,883.80
100	Supplying all materials, labour, T&P and construction of masonry staging with providing 1st class K.B. Bricks work in CM (1:6) of 0.46 mtr height in staging, 12mm cement plaster in CM (1:6), R.C.C. beam of 0.25m X 0.30m X 2.60m & roof slab of 1.40m X 1.40m in C.C (1:1.5:3) using 12mm size H.G. Chips including centering, shuttering, bending and binding of rod etc watering, curing, conveyance of all materials to work site, payment royalty, taxes etc. all complete as per P.H specification and direction of the E.I.C 1000 Ltrs capacity on the roof of GF	Each	1.00	11268.80	Rs 11,268.80
101	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling of floor G.I pipes and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor, testing all complete as per specification and direction of the E.I.C. 20mm dia PVC pipe	Mtr	35.00	114.10	Rs 3,993.50

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
102	25mm dia PVC pipes	Mtr	55.00	87.60	Rs 4,818.00
103	Supplying all materials, labour, T&P and fitting and fixing Brass/CP fittings(Jaquar, Parryware) of the following nominal bore with supply of all jointing materials etc. all complete as per specification and the direction of the E.I.C. 15mm dia CP Bib Cock SB	Each	4.00	834.10	Rs 3,336.40
104	15mm dia CP Bib Cock LB	Each	6.00	1040.80	Rs 6,244.80
105	15mm dia CP Angle Cock	Each	6.00	867.70	Rs 5,206.20
106	15mm dia CP Conceal Stop Cock	Each	6.00	1074.00	Rs 6,444.00
107	15mm dia CP Pillar Cock Elbow action	Each	6.00	1571.70	Rs 9,430.20
108	25mm dia Brass Full Way Valve	Each	6.00	1056.90	Rs 6,341.40
109	15mm dia CP nipple	Each	12.00	45.00	Rs 540.00
110	15mm dia CP Flange	Each	20.00	60.00	Rs 1,200.00
111	Aluminium door shutter with aluminium frame chowkat for Toilet & bath Room.	Nos.	5.00	5500.00	Rs 27,500.00
112	Supplying and fitting & fixing of HDPE pipes and pipe fittings with C.P Nippling and lowering to bore well, making connection to pumpset & testing etc all complete as per specification and the direction of the E.I.C. 32 mm dia HDPE pipes	Mtr	65.00	119.50	Rs 7,767.50

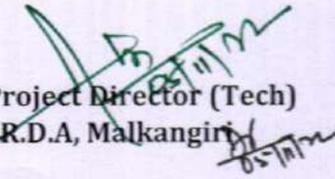
Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
113	Labour for drilling a perfectly vertical bore holes of specified dia for a specified depth below ground level through consolidated and unconsolidated rock with down the hole hammer drilled rig as required to suit condition as per the direction of the E.I.C including use of own rig with its accessories tools and plants and consumable etc. for lowering of 125mm dia consumable etc. for lowering if 125mm dia PVC/GI Pipes for housing filled with socket and with or without well screen as pe the necessity for sort, medium, hard and boulder formation (GI?PVC) casing pipes it required to prevent collapse of overburden portion is to be provided by the contractor including lowering and withdrawing after completion of tubewell . (a) Drilling of 125mm dia bore (i) 0m to 40 m.	Mtr	35.00	480.20	Rs 16,807.00
114	(b) Drilling of 100mm dia bore: (41m to 100m & above)	Mtr	50.00	480.20	Rs 24,010.00
115	Lowering the following sizes GI/PVC Pipes with or without shotted pipes as per the necessity from gravel level upto 30 mtr depth and fitted and fixed up in perfectly vertical position including cutting and threading pipe and slotted pipes and supplying and fixing all jointing materials tools and plants etc. completes and keeping the top of the casing pipes threaded including plugging tubewell to prevent event entry foreign materials lowering to 125mm dia PVC pipe	Mtr	35.00	71.60	Rs 2,506.00
116	Cost of 125mm dia PVC pipe	Mtr	25.00	528.73	Rs 13,218.25

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
117	Cleaning and developing the tube wells with their own compressor continuously worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipment and labour as per the direction of the EIC	Nos.	1.00	2147.00	Rs 2,147.00
118	Supplying all labour, T&P and materials for the fitting and fixing of India Mark-II Deep well Hand Pump with cast iron cylinder, 12mm/16mm dia B.S connecting rod, 32mm dia G.I pipe of required lengths with supply of extra socket of approved make all complete including carriage, conveyance as per direction of the E.I.C.	Each Set	1.00	15362.25	Rs 15,362.25
119	Supplying all labour, T&P and materials for Construction of Masonry Platform for India Mark-II Hand pump as per I.S.specification of 1.85 mtr outside with Cement concrete (1:2:4) with 12mm size hard granite C.B. chips etc all complete including 760mm X 760mm X 400mm deep cement concrete embedded around the bore well pipe as per direction of the E.I.C.	each	1.00	5091.90	Rs 5,091.90
120	Supplying all materials, labour, T&P and construction of 100mm wide waste water drain for india Mark-II Hand pump platform as per UNICEF design and specification with C.C (1:2:4) using 12mm size hard granite crusher broken chips etc all complete as per specification and direction of the E.I.C.	Mtr	1.00	546.70	Rs 546.70
121	Supplying and fitting & fixing of I.S.I make 1.00 HP single phase Submersible pump set to give discharge of 3000 Ltr/hour at a head of 40 mtr etc all complete as per direction of the EIC.	Each	1.00	1475.00	Rs 1,475.00

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6
122	Supplying all labour, T&P and fitting & fixing of I.S.I make 1.00 HP single phase Submersible pump set with commissioning and testing etc all complete as per direction of the E.I.C.	each	1.00	15849.15	Rs 15,849.15
123	Supplying all fitting & fixing of D.O.L starter for 1.0 HP single phase submersible pump etc all complete as per direction of the E.I.C.	each	1.00	2809.32	Rs 2,809.32
124	Supplying all fitting & fixing of suitable cable and connecting the pump and starter etc all complete as per direction of the E.I.C.	Mtr	85.00	71.70	Rs 6,094.50
125	Supplying all fitting & fixing of Plastic rope, M.S. well cover, M.S. clamp, etc all complete as per direction of the E.I.C.	each	1.00	1660.00	Rs 1,660.00
	Total				Rs. 40,00,295.00

Total 125 (One hundred Twenty five) items only

Tender Schedule for the project "Construction of Block Public Health Unit at CHC, Chittrakonda" Technically approved for **Rs. 40,00,295/-** (Rupees Forty lakh Two hundred Ninety five) only.


 Addl. Project Director (Tech)
 D.R.D.A, Malkangiri

My / Our quoted rate is.....% (both in figure an words) excess over / less than / equal to the above estiamted cost.

Signature of Contractor.

Sl. No.	Items of Works	Unit	Quantity	Rate	Total Amount
1	2	3	4	5	6

Notes

- 1 The contractor should not write anything excepting quoting of percentage and in any case anything else regarding
- 2 Strike out which are not applicable.
- 3 Percentage quoted by the contractor shall be accurately filled in figures and words so there is no discrepancy.
- 4 if any discrepancy is found in the percentage quoted in words and figures then the percentage quoted by the contractor
- 5 The percentage quoted in the tender without mentioning excess or less will be treated as excess.
- 6 the contractor will write percentage excess or less upto one decimal point only. If he writes the percentage excess or

Approved

Signature of Contractor.

[Handwritten Signature]
 Addl. Project Director (Tech)
 D.R.D.A, Malkangiri