

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ADMINSTRATIVE BUILDING, 6-E TYPE QTRS. ,1-C TYPE QTRS. , 100 MEN BARRACK AND ARMOURY BUILDING INSIDE THE NEWLY CONSTRUCTED 3RD SPECIAL SECURITY BATTALION AT GAJAPATI IN THE DISTRICT OF GAJAPATI.

BID REF NO.- 50/PM/ELECT/OPHWC/2023-24

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line with 55 sq. mm AAAC -0.6 Km				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	19	34321.52	652108.88
2	11 KV 'V' cross arm(10.2 Kg each)	No.	19	1053.00	20007.00
3	11 KV F clamp 2.9 Kg each	No	19	312.00	5928.00
4	GI Back clamp for 11 KV V Cross Arm	No.	19	104.00	1976.00
5	100x50x6 mm GI channel for straight cross arm,1.45 Mtr.,9.2 Kg/Mtr.(2 Nos.)including top piece	Kg	26.68	84.50	2254.46
6	Galvanisation of all Ms and RS materials	Kg	275.58	13.00	3582.54
7	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
9	11KV Pin Insulator polymer	No.	57	260.00	14820.00
10	HT stay set complete	No.	7	1365.00	9555.00
11	11KV stay insulator	No.	7	65.00	455.00
12	7/10 SWG stay wire, Grade-2	Kg	70	97.50	6825.00
13	HT stay clamp (1.9 Kg/Pair)	pair	7	162.50	1137.50
14	Earthing support coil type	No	19	215.80	4100.20
15	Danger Board	No	19	104.00	1976.00
16	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	5.717	97.50	557.41
17	GI 2 ply ,2.5 mm dia Barbed wire for anticlimbing device	Kg	57	104.00	5928.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	22.868	97.50	2229.63
19	55 sq. mm AAAC	Km	1.854	39000.00	72306.00
20	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00

21	Fish plate(0.661 Kg/item)	No	6	64.44	386.64
22	GI Nuts and Bolts of assorted size	Kg	20	101.40	2028.00
23	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					814894.26
PART-II	3 phase 3W 11 KV line with 50 sq. mm XLPE cable-0.6 Km(double circuit)				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	17	34321.52	583465.84
2	3Cx50 sq. mm 11 Kv XLPE cableK(armoured)A2FX Y(double Circuit)	Km	1.26	527800.00	665028.00
3	Heat shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable (outdoor)type	No.	4	14233.70	56934.80
4	100x50x6 mm channel for straight cross arm,0.6 Mtr.,9.2 Kg/Mtr.(2 Nos.)with galvanisation	Kg	187.68	97.50	18298.80
5	Conductor Dead End Clamp suitable for messenger	No	8	84.50	676.00
6	Eye Hook for XLPE Aerial Bunched Cable	No	28	78.00	2184.00
7	7/12 SWG GI Saty wire for supporting XLPE cable	Kg	367.2	97.50	35802.00
8	XLPE cable clamp to hold support wire	No	1200	23.15	27783.70
9	HT stay set complete	No.	7	1365.00	9555.00
10	11KV stay insulator	No.	7	65.00	455.00
11	7/10(3.25 mm dia per strand) SWG stay wire,	Kg	70	97.50	6825.00
12	HT stay clamp (1.9 Kg/Pair)	pair	7	162.50	1137.50
13	11 KV LA(12 KV, 5 KA)	No	3	2925.00	8775.00
14	75x40x6 mm ,channel for LA(6.8 Kg/mtr.) with galvanisation	No.	8.16	97.50	795.60
15	Earthing support coil type	No	17	215.80	3668.60
16	Danger Board	No	17	104.00	1768.00
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	5.115	97.50	498.71
18	GI 2 ply ,2.5 mm dia Barbed wire for anticlimbing device	Kg	51	104.00	5304.00
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.length 4 nos.	Kg	20.461	97.50	1994.95
20	75x40x6 mm ,channel for straight cross arm,1.5 Mtr.@ 6.8 Kg/Mtr.(4 Nos.)for road crossing with galvanisation	Kg	40.8	97.50	3978.00
21	No.6 GI wire for road cross guarding & earthing	Kg	33	97.50	3217.50
22	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long(For XLPE cable-2 Nos.+Guarding-2 Nos.)	No	4	1365.00	5460.00
23	25x6 mm GI flat, @ 1.2 Kg/mtr.	Kg	40	97.50	3900.00
24	GI Nuts and Bolts of assorted size	Kg	3	101.40	304.20
25	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	2000.00	2000.00
					1449810.20
PART-III	LINE DP WITH 400 A AB SWITCH-1 No.				

1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	2	34321.52	68643.04
2	Top Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	51.52	84.50	4353.44
3	A/B switch Mounting Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	84.50	3217.76
4	75x40x6mm channel for bracing ,2.8 mtr. Long 2 Nos. (6.8 kg./mtr.)	Kg.	38.08	84.50	3217.76
5	50x50x6mm Cross Bracing angle,3.0 mtr. Long 2 Nos. (4.5 kg./mtr.)total 6 Mtr. Long	Kg.	27	84.50	2281.50
6	Galvanisation of all Ms and RS materials	Kg	154.68	13.00	2010.84
7	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	15405.00	15405.00
8	11KV Pin Insulator polymer	No.	3	260.00	780.00
9	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
10	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
11	55 sq. mm AAAC for jumpering	Km	0.04	39000.00	1560.00
12	PG clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
13	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	1.63	97.50	158.93
14	HT stay set complete	No.	4	1365.00	5460.00
15	11KV stay insulator	No.	4	65.00	260.00
16	7/10(3.25 mm dia per strand) SWG stay wire, 2.19 Mtr./Kg	Kg	40	97.50	3900.00
17	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
18	12 KV,10 KA LA	No.	3	2925.00	8775.00
19	25x6 mm GI flat	Kg	30	97.50	2925.00
20	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	2	1365.00	2730.00
21	GI Nuts and Bolts of assorted size	Kg	10	101.40	1014.00
22	Earthing support coil type	No	2	215.80	431.60
23	Danger Board	No.	2	104.00	208.00
24	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	97.50	58.68
25	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
26	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	97.50	234.68
27	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					141365.22
PART-IV	Installation of 100 KVA 11/0.4KV sub station - 2 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	2	34321.52	68643.04
2	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	84.50	4353.44
3	GI channel for bracing 75x40x6 mm-2.8 Mtr. Long,2 Nos.(6.8Kg/mtr)	K.g	38.08	97.50	3712.80

4	Bracing GI angle of DP 50x50x6 mm Angel(3.5 Mtrs., Long,2 Nos.)@ 4.5 kg./mtr.	Kg.	31.5	97.50	3071.25
5	AB switch &HG fuse mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	84.50	6435.52
6	Cantilever Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	84.50	1149.20
7	Cantilever angle for supporting HG fuse 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	84.50	1140.75
8	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	9	84.50	760.50
9	Galvanisation of all Ms and RS materials	Kg	233.36	13.00	3033.68
10	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
11	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
12	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
13	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
14	25x6 mm GI flat(for others)	Kg	48	97.50	4680.00
15	25x4 mm GI flat(for LA)	Kg	8	97.50	780.00
16	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
17	Earthing support coil type	No	2	215.80	431.60
18	Danger Board	No.	2	104.00	208.00
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	97.50	58.68
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	97.50	234.68
22	HT stay set complete	No.	2	1365.00	2730.00
23	11KV stay insulator	No.	2	65.00	130.00
24	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
25	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
26	55 sq. mm AAAC for jumpering	Km	0.04	39000.00	1560.00
27	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
28	3.5 core 120 sq. mm LT PVC cable(un armoured)	Mtr.	15	543.40	8151.00
29	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 100 KVA S/S .	No	1	31744.70	31744.70
30	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
31	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9555.00
32	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
33	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					348186.84
				FOR 2 NOS.	696373.68

PART-V	Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=1.53 Km				
1	9 Mtr Long (125x75)mm RS Joist Pole(13 Kg/mtr)for support	No	51	9886.50	504211.50
2	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	51	1950.00	99450.00
3	Galvanisation of all Ms and RS materials	Kg	5967	13.00	77571.00
4	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	1.61	182000.00	292383.00
5	L.T Stay set (Complete)	Set	28	676.00	18928.00
6	L.T Stay Insulator	No.	28	39.00	1092.00
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	28	143.00	4004.00
8	7/12 SWG Stay Wire	Kg	224	97.50	21840.00
9	Suspension clamp with I Hook	No.	43	442.00	19006.00
10	Dead end clamp suitable for XLPE cable	No	8	84.50	676.00
11	Pole clamp for eye Hook for AB cable	pair	51	260.00	13260.00
12	Earthing device coil type	No	51	215.80	11005.80
13	Danger Board	No.	51	104.00	5304.00
14	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	15.3459	97.50	1496.23
15	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	153	104.00	15912.00
16	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	61.384	97.50	5984.94
17	GI Nuts and Bolts	Kg	20	101.40	2028.00
18	Sundries	LS	1	2000.00	2000.00
					1096152.47
	A.Sub Total Rs.				4,198,595.83
B	Stock,storage and insurance (@3% on A)				125957.87
C	TOTAL RS.				4324553.70
D	T&P @ 2% of C				86491.07
E	Contigency @ 3% of C				129736.61
F	Transportation @ 7.5% of C				324341.53
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				316585.54
H	TOTAL RS.				5181708.45
19	Cement Concrete for stud & stay anchor plate CC 1:3:6 by using 4 cm size Hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	50	1270.00	63500.00
20	Cement Concreting for support with C.C. 1:3:6 by using 40 mm HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	93	1460.00	135780.00

21	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	20	1600.00	32000.00
22	Brick wall Boundaring wall with fixing of iron grill gate etc(as per the specification received from HOD, NEG)	No	1.00	150,000.00	150000.00
23	Sand and metal spreading	Ls	2.00	2,000.00	4000.00
24	Plinth for 11/0.4 KV,100 KVA DTRs	No	2.00	21,269.00	42538.00
				Total Rs.	427,818.00
	Total Rs.				5,609,526.45
	Cess @ 1%				56,095.26
	Total Estimated Cost				5,665,621.72
	Total Estimated Cost in Figures				5,665,622.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in word					

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)