

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 :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 300 MEN BARRACK AND TRAINING HALL AT SOG, AET & RC, KORAPUT IN THE DISTRICT OF KORAPUT.

BID REF NO.- 87/PM/ELECT/OPHWC/2023-24

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
PART-I	11 KV LINE				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	7	1053.00	7371.00
2	GI Back clamp for 11 KV V Cross Arm	No.	7	104.00	728.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	8	312.00	2496.00
4	Disc insulator 45 KN (B&S) Polymer	No.	12	1118.00	13416.00
5	11 KV HW fitting (B&S)2 bolted	No	12	169.00	2028.00
6	PG Clamp for 55 sq. mm AAAC	No	12	624.00	7488.00
7	11KV Pin Insulator polymer	No.	28	260.00	7280.00
8	HT stay set complete	No.	5	1365.00	6825.00
9	11KV stay insulator	No.	5	65.00	325.00
10	HT stay clamp (1.9 Kg/Pair)	pair	5	162.50	812.50
11	7/10 SWG stay wire, Grade-2	Kg	50	97.50	4875.00
12	Earthing support coil type	No	8	215.80	1726.40
13	GI Base plate for support	No	8	1950.00	15600.00
14	GI Nuts and Bolts of assorted size	Kg	20.75	101.40	2104.05
15	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.3 Mtr. Long 2 Nos. @9.2 Kg/Mtr.	Kg	110.4	97.50	10764.00
16	11 Mtr. Long 150x150 mm GI Joist Pole (30.6 Kg/Mtr.)	No	8	32818.50	262548.00
17	55 sq. mm AAAC	Km	1.24	39000.00	48204.00
18	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				3,95,590.95
	B.Deduction of Salvage Value @8 %				31,647.28
	C. Total Material cost after deducting Salvage Value @8%				3,63,943.67
	D. Stock, Storage & Insurance @ 3% of C				10,918.31
	E. Sub Total (E=C+D)				3,74,861.98
	T&P @ 2% of E				7,497.24
	Contingency @ 3% of E				11,245.86
	Transportation @ 7.5% of E				28,114.65

Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					12,439.52
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					12,607.15
					446766.40
19	Dismantling charges of existing HT Lines 11 KV	Span	3	500.00	1500.00
20	Dismantling charges of existing HT Poles 11 KV	Nos.	2	972.00	1944.00
21	Dismantling charges of existing DSS	No	1	3500.00	3500.00
22	Cement Concreting for stay / stud anchor plate CC 1:3:6 using 4 cm size hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	5	1270.00	6350.00
23	Concreting of support C.C. 1:3:6 using 4cm size 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.	8	1460.00	11680.00
					24974.00
TOTAL RS.(PART-I)					4,71,740.40
PART-II	100 KVA 11/0.4KV sub station				
1	11 Mtr. Long 150x150 mm GI Joist Pole (30.6 Kg/Mtr.)	No	2	32818.50	65637.00
2	Pressure Channel (GI)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel(GI) 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(GI)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
5	Transformer belting 50x50x6 mm angel 2.8 mtr long,2 Nos.(4.5K.g/mtr)with side angel total 7 Mtr.	Kg.	39.2	97.50	3822.00
6	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	18	97.50	1755.00

7	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (B&S)2 bolted	No.	3	169.00	507.00
9	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
10	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
11	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
12	LT Distribution box with MCCB, Aluminium Bus bar of 2- bay Kitkat Fuse for 100 KVA S/S	No	1	31744.70	31744.70
13	LT 3.5 core 150 sq. mm PVC cable(Un-armoured)	Mtr	15	655.20	9828.00
14	GI Flat 25x4 mm @0.8 Kg/Mtr.	Kg	60	97.50	5850.00
15	HT stay set (Complete)	No.	2	1365.00	2730.00
16	stay Insulator, Type-C	No.	2	65.00	130.00
17	Stay clamp	pair	2	162.50	325.00
18	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6825.00
20	Earthing coil for support	No	2	215.80	431.60
21	No. 6 GI wire for earthing	Kg	25	97.50	2437.50
22	GI Base plate for support	No	2	1950.00	3900.00
23	GI nut,bolt & washers	Kg	30	101.40	3042.00
24	Sundries (Al. binding tape, insulation tape, paint fencing metal spreading ,Anticlimbing Device,danger board etc.)	LS	1	1000.00	1000.00
25	100 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	152100.00	152100.00
26	55 sq. mm AAAC	Km	0.06	39000.00	2340.00
	A.Sub Total Rs.				3,38,591.80
B	Stock,storage and insurance (@3% on A)				10157.75
C	TOTAL RS.				348749.55
D	T&P @ 2% of C				6974.99
E	Contingency @ 3% of C				10462.49
F	Transportation @ 7.5% of C				26156.22
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				23661.50
H	TOTAL RS.				4,16,004.75
27	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	2	1270.00	2540.00
28	Cement Concreting for support with C.C. 1:3:6 by using 4cm size 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.	2	1460.00	2920.00
29	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8000.00

30	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16796.42
31	Plinth (detail as per SOUTHCO specification mentioned in the estimate.	Ls	1	30474.58	30474.58
	Total Rs.(Part-II)				4,76,735.75
PART-III	LT LINE				
1	Eye Hook for XLPE AB Cable	No.	4	78.00	312.00
2	Dead end clamp suitable for XLPE cable	No	4	84.50	338.00
3	Pole clamp for eye Hook for AB cable	pair	4	260.00	1040.00
4	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	2	42.90	85.80
5	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	12	104.00	1248.00
6	GI Nuts and Bolts of assorted size	Kg	2.328	101.40	236.06
7	3x50+1x35+1x16 sqmm LT XLPE AB Cable	Km	0.11	182000.00	19110.00
8	Sundries (paint, binding tape etc.)	LS	1	500.00	500.00
	A.Sub Total Rs.				22,869.86
B	Stock, storage and insurance (@3% on A)				686.10
C	TOTAL RS.				23555.95
D	T&P @ 2% of C				471.12
E	Contingency @ 3% of C				706.68
F	Transportation @ 7.5% of C				1766.70
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				2355.60
H	Total Rs(PART-III)				28856.04
PART-IV	DP STRUCTURE WITH AB SWITCH				
1	11 Mtr. Long 150x150 mm GI Joist Pole (30.6 Kg/Mtr.)	No	2	32818.50	65637.00

2	100x50x6mm GI Channel each 2.8 mtr long, 2 Nos.for Top Channel	K.g	51.52	97.50	5023.20
3	AB switch mounting channel(GI)(75x40x6)mm,2.8mtr long 2No(6.8Kg/mtr)	K.g	38.08	97.50	3712.80
4	50x50x6mm angle 2.8 mtr long,2 Nos.& 3.5 Mtr. Long 2 Nos. for providing cross bracing at Bottom of DP(4.5 K.g/mtr)	K.g	56.7	97.50	5528.25
5	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	15405.00	15405.00
6	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
7	11 KV HW fitting (T&C)45 KN	No.	6	169.00	1014.00
8	HT stay set (Complete)	No.	4	1365.00	5460.00
9	stay Insulator, Type-C	No.	4	65.00	260.00
10	Stay clamp	pair	4	162.50	650.00
11	7/10 SWG GI Saty wire, grade-2	Kg	40	97.50	3900.00
12	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
13	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	97.50	238.68
14	Danger Board	No.	2	104.00	208.00
15	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	97.50	59.67
16	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	1	1365.00	1365.00
17	Earthing of support coil type	No	2	215.80	431.60
18	No. 6 GI wire for earthing	Kg	30	97.50	2925.00
19	GI Base plate for support	No	2	1950.00	3900.00
20	GI Nut and bolt of assorted size	Kg	18	101.40	1825.20
21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
	A.Sub Total Rs.				1,25,375.40
B	Stock,storage and insurance (@3% on A)				3761.26
C	TOTAL RS.				129136.66
D	T&P @ 2% of C				2582.73
E	Contingency @ 3% of C				3874.10
F	Transportation @ 7.5% of C				9685.25
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				9533.32
H	TOTAL RS.				1,54,812.06
22	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	4	1270.00	5080.00
23	Cement Concreting for support with C.C. 1:3:6 by using 4cm size 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= 0.3Mtrx0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	1460.00	2920.00

24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	1	1600.00	1600.00
	Total Rs.(Part-IV)				1,64,412.06
	Total Rs.				11,41,744.26
	Cess @1%				11,417.44
	Total Estimated Cost				11,53,161.70
	Total Estimated Cost in Figures				11,53,162.00
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/-
DM IC (Elect)**

**Sd/-
Project Manager(Elect.)**