

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 4-D TYPE QTRS. AT DIST. POLICE OFFICE, KORAPUT IN THE DIST. OF KORAPUT.

BID REF NO.- 92/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	11 KV LINE -0.3 KM				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	5	1053.00	5265.00
2	GI Back clamp for 11 KV V Cross Arm	No.	5	104.00	520.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	6	312.00	1872.00
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.	22	260.00	5720.00
8	HT stay set complete	No.	4	1365.00	5460.00
9	11KV stay insulator	No.	4	65.00	260.00
10	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
11	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
12	Earthing support coil type	No	6	215.80	1294.80
13	GI Base plate for support	No	6	1950.00	11700.00
14	GI Nuts and Bolts of assorted size	Kg	22.25	101.40	2256.15
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	6	32818.50	196911.00
17	55 sq. mm AAAC	Km	0.93	39000.00	36153.00
18	75x40x6 mm GI channel 2.4 Mtr. Long 2 Nos. @6.8 Kg/Mtr. For providing support for guarding	Kg	32.64	97.50	3182.40
19	No.6 GI wire (dia 4.8 mm),40 kg for 1 No. guarding & 20 Kg for 2 Nos. earthing at both sides of Road crossing guarding	Kg	60	97.50	5850.00
20	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2730.00
21	8 SWG GI wire for Cross lacing	Kg	12	97.50	1170.00
22	Eye Hook	No	4	78.00	312.00
23	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				319,902.35
	B.Deduction of Salvage Value @8 %				25,592.19
	C. Total Material cost after deducting Salvage Value @8%				294,310.16
	D. Stock, Storage & Insurance @ 3% of C				8,829.30

E. Sub Total (E=C+D)					303,139.47
T&P @ 2% of E					6,062.79
Contingency @ 3% of E					9,094.18
Transportation @ 7.5% of E					22,735.46
Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%					9,329.64
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					11,654.66
					362016.20
24	Dismantling charges of existing HT Lines	Span	3	500.00	1500.00
25	Dismantling charges of existing HT Poles	Nos.	2	972.00	1944.00
26	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.	4	1270.00	5080.00
27	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1600.00	3200.00
28	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.	6	1460.00	8760.00
					20484.00
TOTAL RS.(PART-I)					382,500.20
PART-II	Renovation of existing S/S with new Plinth mounted 63 KVA 11/0.4KV sub station.				
1	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
2	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
3	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	36	97.50	3510.00
4	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
5	11 KV HW fitting (B&S)2 bolted	No.	3	169.00	507.00
6	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
7	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
8	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
9	LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 63 KVA S/S	No	2	23818.60	47637.20
10	LT 3.5 core 95 sq. mm PVC cable(Un-armoured)	Mtr	30	432.90	12987.00

11	GI Flat 25x4 mm @0.8 Kg/Mtr.	Kg	15	97.50	1462.50
12	HT stay set (Complete)	No.	2	1365.00	2730.00
13	stay Insulator, Type-C	No.	2	65.00	130.00
14	Stay clamp	pair	2	162.50	325.00
15	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
16	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1365.00	6825.00
17	Earthing coil for support	No	2	215.80	431.60
18	No. 6 GI wire for earthing	Kg	25	97.50	2437.50
19	GI nut,bolt & washers	Kg	15	101.40	1521.00
20	Sundries (Al. binding tape, insulation tape, paint fencing metal spreading ,Anticlimbing Device,danger board etc.)	LS	1	1000.00	1000.00
21	63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	112450.00	112450.00
22	55 sq. mm AAAC	Km	0.1	39000.00	3900.00
	A.Sub Total Rs.				237,017.60
B	Stock,storage and insurance (@3% on A)				7110.53
C	TOTAL RS.				244128.13
D	T&P @ 2% of C				4882.56
E	Contingency @ 3% of C				7323.84
F	Transportation @ 7.5% of C				18309.61
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				18621.64
H	TOTAL RS.				293,265.78
23	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
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8000.00
25	MS Grill gate 1.5mtr (h) x 1.5mtr (w) made of 35x35x6 mm Angel and 25x6mm flat (Angel for outside boarder with horizontal & vertical crossing for i)35x35x6mm MS Angel=1.5mtr x 4 = 6mtr @ 3kg/mtr = 18kg@ Rs.93.00/kg=Rs.1674.00/- (with galvanisation charges) ii) 25x6 mm GI flat = 1.5mtr x8x2=24mtr@1.2kg/mtr=28.8kg@Rs.93.00/kg=Rs.2678.80 iii) Painting of gate with 2 coat= Rs.200/- (LS) Total = Rs.(1674+2678+200)= Rs.4552.80	No	1	4552.00	4552
26	Brick Boundary wall for fencing of 5" height with 9" wall for area 8ft x 12ft	Ls	1	40000.00	40000
27	Filling Sand @ 431.60/cmt for(8ft x 12ft x 1/2ft) = 48 Cft= 1.359Cm. i.e 1.359 x 431.60= 586.54 or 587.00		1	587.00	587
28	40MM Size HBG Metal @ Rs.981.36/cmt for (8ft x 12ft x 1/4ft) = 24Cft = 0.679Cmt i.e. 0.679 x 981.36 = 666.75 or say Rs. 667.00		1	667.00	667

29	<p>Plinth :-</p> <p>1) Earth work for digging of foundation plinth = 2mtr x 2mtr x 0.9mtr = 3.6 cum</p> <p>2) Filling of foundation and plinth with sand, water & rammed= 0.15mtr x 2mtr x 2mtr = 0.6 Cum</p> <p>3) CC (1:4:8) with 4cm size HBG Metal = 0.1 mtr x 2mtr x 2mtr=0.4 Cum</p> <p>4) RRHG stone machinery in coment mortor (1:6) in foundation plinth per 1 Cum</p> <p>(i) 0.65 mtr x 2mr x 2mtr = 2.5 Cum</p> <p>(ii) 1.4mtr x 1.8mtr x 1.8mtr = 4.54 Cum</p> <p>Total = 7.14 Cum</p> <p>5) CC (1:2:4) with 12mm size HBG chips= 0.1mtr x 1.8mtr x 1.8mtr = 0.32 Cum</p> <p>6) 8mm Rod= 1.8mtr x 13 x 2 = 46.8 mtr</p> <p>@0.39kg/mtr=6.8 x 0.39kg=,18.486 or 18.5 Kg</p> <p>7) 18mm thick cement plaster (1:6) over brick work & stone work = 4x1.8x1.8+1.8x1.8= 12.96+3.24=16.2 soft.</p>			1	30474.58	30474.58
	Total Rs.(Part-II)					380,086.36
PART-III	LT LINE-0.184 Km					
1	Suspension clamp with Eye Hook for ABC	Pair	4	442.00	1768.00	
2	Eye Hook for XLPE AB Cable	No.	2	78.00	156.00	
3	Dead end clamp suitable for XLPE cable	No	2	84.50	169.00	
4	Pole clamp for eye Hook for AB cable	pair	6	260.00	1560.00	
5	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	2	42.90	85.80	
6	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	8	104.00	832.00	
7	GI Nuts and Bolts of assorted size	Kg	3.492	101.40	354.09	
8	3x50+1x35 sqmm LT XLPE AB Cable	Km	0.18	169000.00	31053.75	
9	Sundries (paint, binding tape etc.)	LS	1	500.00	500.00	
	A.Sub Total Rs.					36,478.64
B	Stock, storage and insurance (@3% on A)					1094.36
C	TOTAL RS.					37573.00
D	T&P @ 2% of C					751.46
E	Contingency @ 3% of C					1127.19
F	Transportation @ 7.5% of C					2817.97
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles					3757.30
H	Total Rs(PART-III)					46026.92
PART-IV	LT LINE-0.070 Km					
1	Suspension clamp with Eye Hook for ABC	Pair	1	442.00	442.00	
2	Eye Hook for XLPE AB Cable	No.	2	78.00	156.00	
3	Dead end clamp suitable for XLPE cable	No	2	84.50	169.00	
4	Pole clamp for eye Hook for AB cable	pair	3	260.00	780.00	
5	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	1	42.90	42.90	
6	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	4	104.00	416.00	
7	GI Nuts and Bolts of assorted size	Kg	1.746	101.40	177.04	

8	3x35+1x25 sqmm LT XLPE AB Cable	Km	0.07	140400.00	10319.40
	A.Sub Total Rs.				12,502.34
	B.Deduction of Salvage Value @8 %				1,000.19
	C. Total Material cost after deducting Salvage Value @8%				11,502.16
	D. Stock, Storage & Insurance @ 3% of C				345.06
	E. Sub Total (E=C+D)				11,847.22
	T&P @ 2% of E				236.94
	Contingency @ 3% of E				355.42
	Transportation @ 7.5% of E				888.54
	Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance @3%				
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				1,184.72
					14512.85
9	Dismantling charges of existing LT line	Span	2	500.00	1000.00
	Total Estimated Cost				824,126.33
	Total Estimated Cost in Figures				824,126.00
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/-
Dy. Manager (Elect) I/C

Sd/-
Project Manager(Elect.)