

**TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION), THE ODISHA STATE POLICE
HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR**

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 10-F,5-F,1-E AND FABRICATION UNIT AT BIJU PATTANAIAK OPEN AIR ASHRAM , JAMUJHARI IN THE DIST. OF KHURDA.

BID REF NO.- 06/JM/ELECT/OPHWC/2020-21

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	250 KVA 11/.4 KV TFR AL. BIS Energy Level-II	No	1	268450.00	268450.00
A	TOTAL MATERIAL COST				268450.00
B	Stock, Storage & Insurance @ 3% of A				8053.50
C	Sub Total (C=A+B)				276503.50
D	Contingency @3% of C				8295.11
E	T & P 2% of C				5530.07
F	Transportation @ 7.5% of C				20737.76
G	Erection Charge @ 5%				13825.18
H	Total Estimated Cost				324891.61
SCOPE-B	8 Mtr. Long 200 KG PSC Pole	No	23	2000.00	46000.00
A	TOTAL MATERIAL COST				46000.00
B	Stock, Storage & Insurance @ 3% of A				1380.00
C	Sub Total (C=A+B)				47380.00
D	Contingency @3% of C				1421.40
E	T & P 2% of C				947.60
F	Transportation @ 7.5% of C				3553.50
G	Erection Charge @ 20%				9476.00
H	Total Estimated Cost				62778.50
SCOPE-C	Augmentation of 11 KV Line Conductor from 34 sq. mm to 80 sq. mm AAA Conductor-0.35 Km(7 span) Construction of LT Line 3 ph 5 w using 8 mtr. Long 200 KG PSC Pole with 3x50+1x35+1x16 sq. mm AB cable-0.7 Km(23 Nos. span)				
1	80 sq. mm AAAC	Km	1.08	43000.00	46440.00
2	11 kv v cross Arm	No.	6	810.00	4860.00
3	11 KV GI Pin	No	18	80.00	1440.00
4	11 KV Pin Insulator	No.	18	80.00	1440.00
5	11 KV Disc Insulator (B & S)70 KN	No.	12	390.00	4680.00
6	11 KV H.W Fittings(B&S)	No	6	350.00	2100.00
7	MS Nut ,Bolt & washer of Different sizes	Kg	20	71.00	1420.00
8	AB Cable(3x50+1x35+1x16) sq. mm	Km	0.721	140000.00	100940.00

9	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pole	No.	23	485.10	11157.30
10	L.T Stay set (Complete)	Set	6	520.00	3120.00
11	L.T Stay Insulator	No.	6	30.00	180.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Kg	6	110.00	660.00
13	7/12 SWG Stay Wire	Kg	60	75.00	4500.00
14	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	6	2315.15	13890.90
15	1 Ph 2 W LT X arm	No	26	290.00	7540.00
16	LT shackle insulator	No	27	30.00	810.00
17	GI straps with Nuts & Bolt	Kg	27	80.00	2160.00
18	MS Nut,Bolt & washer of different sizes	Kg	23	71.00	1633.00
19	Insulated piericing connector	No.	12	660.00	7920.00
20	Earthing coil	No.	5	166.00	830.00
21	Sundries for survey, tree cutting ,small size nut & bolt Allm. Binding wire/tape & Danger Board.	LS	1	500.00	500.00
A	TOTAL MATERIAL COST				218221.20
B	Stock, Storage & Insurance @ 3% of A				6546.64
C	Sub Total (C=A+B)				224767.84
D	Contingency @3% of C				6743.04
E	T & P 2% of C				4495.36
F	Transportation @ 7.5% of C				16857.59
G	Erection Charge @ 10%				22476.78
H	Total Estimated Cost				275340.60
SCOPE-D	Upgradation of Substation from 100 KVA to 250 KVA ,11/0.4 Kv Plinth mounted S/S-1 No.				
1	11 KV AB switch 3 pole(400A)	set	1	11850.00	11850.00
2	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00
3	11KV HG fuse 3pole (400A)	No	1	11530.00	11530.00
4	GI Pipe for earthing 40mm dia 3mtr long	No	5	1050.00	5250.00
5	40x6 mm GI Flat for netural	Kg	20	75.00	1500.00
6	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	2270.27	11351.35
7	80 sq. mm AAAC	Km	0.04	43000.00	1720.00
8	MS nut bolt & Washer	Kg	36	71.00	2556.00

9	LT Distribution Box including kitkat fuse with MCCB for 250 kVA S/S	No	1	48000.00	48000.00
10	3.5 core 300 sq. mm pvc cable for 250 kVA Tfr.	Mtr.	30	994.00	29820.00
11	Plinth for Transformer	no	1	15840.00	15840.00
12	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1	4410.00	4410.00
A	TOTAL MATERIAL COST				154477.35
B	Stock, Storage & Insurance @ 3% of A				4634.32
C	Sub Total (C=A+B)				159111.67
D	Contingency @3% of C				4773.35
E	T & P 2% of C				3182.23
F	Transportation @ 7.5% of C				11933.38
G	Erection Charge @ 10%				15911.17
H	Total Estimated Cost				194911.80
SCOPE-E	Labour Charges for Dismantalled material				
1	35 sq mm AAAC	span	7	200.00	1400.00
2	V cross Arm	No.	6	30.00	180.00
3	11 KV GI Pin with Pin insulator	No	18	15.00	270.00
4	11 KV HW Fitting	Set	6	20.00	120.00
5	100 KVA,11/0.4 Kv Tfr.	No	1	1000.00	1000.00
6	11 KV AB switch 400A	set	1	125.00	125.00
7	11KV HG fuse 3pole (400A)	No	1	125.00	125.00
8	Total Rs.				3220.00
A	Total Estimated Cost				861142.51
B	Total Estimated Cost in Figures				861143.00
EXCESS	<input type="text"/> LESS <input type="text"/> (Please Tick)	_____%			
Quoted Amount in Figure					
Quoted Amount in words					

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

Signature of Tenderer with seal

Sd/-
Asst. Project Manager[Elect.]

Sd/-
APM Elect. (Hqr.)

Sd/-
Consultant(Elect.)

Sd/-
Joint Manager(Elect.)