

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 NEW POLICE STATION BUILDING AT KODALA IN THE DISTRICT OF GANJAM.

BID REF NO :- 02/JM/ELECT/OPHWC/2021-22

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost	
				RATE IN RS.	AMOUNT IN RS.
PART-I	Installation of DP Mounted 25KVA 11/0.4KV sub station using 9 mtr long PSC pole				
1	9 mtr long 300 kg PSC pole	No	2	3000.00	6,000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos .	Kg.	51.52	65.00	3,348.80
3	Transformer mounting Channel 100X50X6 mm.2.8mtr. Long 2Nos (9.2 kg/ Mtr)	Kg.	51.52	65.00	3,348.80
4	AB switch & H.G fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.).	Kg.	76.16	65.00	4,950.40
5	Cantilever channel for supporting HG fuse 75x40x6mm.MS Angle 1mtr. Long 2Nos. (6.8kg./mtr.).	Kg.	13.6	65.00	884.00
6	Cantilever channel for supporting HG fuse 50x50x6mm MS angle 1 mtr long 2 nos(4.5 Kg/Mtr).	Kg.	9.00	65.00	585.00
7	Angle for Cantilever arrangement for AB switch & H.G fuse 50x50x6mm 2 mtr long 2 nos(4.5 Kg/Mtr).	Kg.	18.00	65.00	1,170.00
8	Transformer belting 50x50x6mm angle 2.8 mtr long 2 nos(4.5 Kg/Mtr) with side angle total (7Mtr)	Kg.	31.5	65.00	2,047.50
9	Angel for mounting L.T Distribution box 35x35x5mm 1 mtr long 2 nos(3.5 Kg/Mtr).	Kg.	7	65.00	455.00
10	11 KV Disc insulator (T &C)	No.	3	290.00	870.00
11	11 KV Hard ware fittings (T&C)type	No.	3	130.00	390.00
12	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
13	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00

14	11 KV Lighting arrestor, 9KV, 5KA	No.	3	980.00	2,940.00
15	LT Distribution box with MCCB, Aluminium busbar of single bay with kitkat fuse for 25 KVA S/S	No.	1	14930.00	14,930.00
16	HT stay set (Complete) REC construction standard	Set	2	1050.00	2,100.00
17	11 KV stay Insulator Type C	No.	2	50.00	100.00
18	Stay Clamp (1.9 kg/ Pair)	No.	2	125.00	250.00
19	7/10 SWG GI Saty wire (Grade 2)	Kg	20	75.00	1,500.00
20	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	5	1050.00	5,250.00
21	Earthing coil for supports	No.	2	166.00	332.00
22	No-6 G.I wire (Dia 4.8mm) for earthing	Kg	25	75.00	1,875.00
23	GI flat for neutral earthing	Kg	10	75.00	750.00
24	Ms bolt, Nuts & wasners	Kg	25	71.00	1,775.00
25	\25 KVA 11/0.4 KV(Al)Transformer Bis Energy level-II	No.	1	53800.00	53,800.00
26	LT 3 1/2 Core 35 sq. mm PVC Cable (un-Armoured) 12 Mtr for 25 KVA S/S	Mtr.	12	152.00	1,824.00
27	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum @4158.84= 0.3037x4158.84=1263.03 or 1270	No.	2	1270.00	2,540.00
28	Concreting of support CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum@ 4158.84 = 0.3037x4158.84= 1263.03+ coupling with CC 1:3:6 by using 12mm size hard broken granide chips=0.3 mtrX0.3 mtrX0.45 mtr=0.0405cum	No.	2	1463.00	2,926.00
29	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	LS	5	1500.00	7,500.00
30	Base plate for support	No.	2	279.94	559.88
31	Sundries (Paint,Danger Board, Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	1500.00	1,500.00
				Sub Total	139,971.38
32	Construction of Barbed wire fencing with sand and metal spreading.				
A	RCC pilar of 6 mtr long	No	10	450	4500.00

B	Couping pillar with CC 1:3:6 by using 40mm size hard broken granide chips=15"x15"x18"=0.0663cum @4158.84= 0.0663X 4158.84=275.73	No	10	276	2760.00
C	GI barbed wire@ 6.044Mtr/KG 6 nos run 40 ft X 6=240ft=73.152Mtr=12.10Kg	kg	12.1	80	968.00
D	MS grill gate 1.5mtr(h) X 1.5mtr(W), made of 35X35X6 mm Angle and 25X6 mm flat (Angle for out side boarder with horizontal& vertical crossinbg for i) 35x35x6 mm Ms Angle=1.5 mtrX4=6mtr@3kg/mtr=18 kg@ Rs 65/kg= Rs 1170/- ii) 25x6 mm flat= 1.5mtr x8x2=24 mtr@1.2 kg/Mtr=28.8KG @ RS 75/KG= Rs 2160/- iii) Painting of gate with 2 coat= Rs200/- (LS) Total= Rs(1170+2160+200)=Rs 3530/-	No	1	3530	3530.00
E	Filling sand@Rs 431.60/cmt for (8ftX12x1/2ft)= 48CFt=1.359cmt i.e 1.359X431.60=Rs 586.54 or 587	LS	1	587	587.00
F	40 mm size HBG metal @ Rs 981.36/cmt for (8ftX12x1/4ft)=24cft=0.679cmt i.e 0.679x 981.96=Rs666.75 or 667	LS	1	667	667.00
G	Sundries	LS	1	300	300.00
Sub total for fencing & metal spreading					13312.00
Total material cost A in RS					153283.38
B. Stock, Storage & Insurance @ 3% of A					4,598.50
Sub Total (C=A+B)					157,881.88
T&P @ 2% of C					3,157.64
Contingency @ 3% of C					4,736.46
Transportation @ 7.5% of C					11,841.14
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					2,770.70
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					1,236.00
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					9,628.79
Sub total					191,252.60
PART-II	3 phase 3W 11 KV line 55sqmm AAAC-0.04KM				
Sl. No.	Particulars	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.

1	11 KV V cross Arm	No.	0	810.00	-
2	GI Back clamp for V cross arm (0.85KG each)	No	0	80.00	-
3	Top Bracket (1.3 kg each)	No.	2	100.00	200.00
4	F clamp (2.9 kg each)	No.	0	240.00	
5	11 KV Disc insulator (T& C), 45KN, poreclain doble disc arrangement	No.	6	290.00	1,740.00
6	11 KV Hard wire fittings (T & C)	No.	3	130.00	390.00
7	11 KV Pin insulator Procelin	No	3	80.00	240.00
8	11 KV GI Pin	No	3	80.00	240.00
9	HT Stay Set complete	Set	0	1050.00	-
10	HT stay insulator Type-C	No	0	50	-
11	Stay clamp or stud clamp (1.9 kg/Pair)	Pair	0	125.00	-
12	7/10 SWG GI Saty wire	Kg	0	75.00	-
13	Earthing for supports (Coil Type)	No.	0	166.00	-
14	Base plate for supports	No.	0	279.94	-
15	Concreting of support CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum@ 4158.84 = 0.3037x4158.84=1263.03 or 1270+ coupling with CC 1:3:6 by using12mm size hard broken granide chips=0.3 mtrX0.3 mtrX0.45 mtr=0.0405cum@ Rs 4754.71/cum= 0.405xRs 4754.71= Rs192.57 or 193	Nos.	0	1463.00	-
16	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum 4158.84= 0.3037x4158.84 =1263.03 or 1270	Nos.	0	1270.00	-
17	MS Nut,Bolt & Washers	Kg	2	71.00	142.00
18	100x50x6mm Ms channel for straight cross arm (1.2x2 Pcs) (9.2 kg/ mtr) for cut point & tapping point	Kg	22.08	65.00	1,435.20
19	9 mtr long 300 kg PSC pole	No	0	3000.00	-
20	10 mtr long 330 kg PSC pole	No	0	4500.00	-
21	8 mtr long 200 kg PSC pole	No	0	2000.00	-
22	55 sq. mm AAA conductor(incl 3% sag)	Km	0.124	30000.00	3,720.00
23	No-6 G.I wire (Dia 4.8mm) for earthing	kg	0	75	-
24	100x50x6mm Ms channel for straight cross arm (1.2x2 Pcs) (9.2 kg/ mtr) for 1 nos guarding	Kg	0	65.00	-
25	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device etc	LS	1	200.00	200.00
Total material cost A in Rs					8,307.20
B. Stock, Storage & Insurance @ 3% of A					249.22
Sub Total (C=A+B)					8,556.42

T&P @ 2% of C					171.13
Contingency @ 3% of C					256.69
Transportation @ 7.5% of C					641.73
Erection Charges @ 5% for transformer 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%					855.64
Sub total					10,481.61
PART-III LT OH line (3ph 5W) with 3x50+1x35+1x16 sqmm AB cable=0.15km (4					
Sl. No.	Particulars	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.
1	8 Mtr.long 200 KG PSC pole	No	3	2000.00	6,000.00
2	9 mtr long 300 kg PSC pole	No	0	3000.00	-
3	LT stay set complete	No	3	520.00	1,560.00
4	LT stay set Insulator	No	3	30.00	90.00
5	LT stay clamp	Pair	3	110.00	330.00
6	7/12 SWG GI stay wire	Kg.	15	75.00	1,125.00
7	Concreting of support CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum@ 4158.84 = 0.3037x4158.84=1263.03 or 1270+ coupling with CC 1:3:6 by using 12mm size hard broken granite chips=0.3 mtrX0.3 mtrX0.45 mtr=0.0405cum@ Rs 4754.71/cum= 0.405xRs 4754.71= Rs192.57 or 193	Nos.	3	1463.00	4,389.00
8	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum 4158.84= 0.3037x4158.84 =1263.03 or 1270	Nos.	3	1270.00	3,810.00
9	AB cable(1x35+1x25) sqmm	KM	0.158	42000.00	6,636.00
10	AB cable(1x50+1x35) sqmm	KM	0	130000.00	-
11	AB cable(1x50+1x35+1x16) sqmm	KM	0	140000.00	-
12	AB cable(1x35+1x25+1x16) sqmm	KM	0	120000.00	-
13	AB cable(1x35+1x25) sqmm	KM	0	108000.00	-
14	Base plate for support	No.	3	279.94	839.82
15	Pole clamp for I hook for XLPE/ AB cable	Pair	6	200.00	1,200.00
16	Dead End clamp for bare messenger of AB cable	No	6	65.00	390.00
17	Suspension clamp with I hook for AB cable	Pair	2	340.00	680.00

18	Insulated piercing connector type A main 16 to 95 sqmm to tap 16 to 95 sqmm	No	2	80.00	160.00
19	Insulated piercing connector type B main 16 to 95 sqmm to tap 2.5 to 10 sqmm	No	3	40.00	120.00
20	Neutral connector type B suitable for main 35-70 sqmm AAAC & tap 2.5 to 10 sqmm service cable cover by black weather resistance insulation cover	No	3	33.00	99.00
21	MS Nut,Bolt & Washers	Kg	1	71.00	71.00
22	Earth of support(coil type)	No	3	166.00	498.00
23	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	900.00	900.00
Total material Cost A in Rs					28,897.82
B. Stock, Storage & Insurance @ 3% of A					866.93
Sub Total (C=A+B)					29,764.75
T&P @ 2% of C					595.30
Contingency @ 3% of C					892.94
Transportation @ 7.5% of C					2,232.36
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					-
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					1,236.00
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					2,358.48
Sub total					37,079.82
PART-IV	Service Connection Estimate				
Sl. No.	Particulars	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.
1	LT 3 1/2 core 35sqmm PVC cable	Mtr.	30	152.00	4560.00
2	GI wire No 8	Kg	3	75.00	225.00
3	Kit Kat fuse -63 Amp	No	3	98.88	296.64
4	GI S/C Bracket	No	1	270.00	270.00
5	Energy Meter, 20-100 Amp with Box	No	1	2250.00	2250.00
6	Modem ECD 210	No	1	6550.50	6550.5
7	Communication Cord	No	1	661.35	661.35
8	Sundries	LS	1	300.00	300.00
Total material Cost IV in Rs					15,113.49
B. Stock, Storage & Insurance @ 3% of A					453.40

Sub Total (C=A+B)					15,566.89
T&P @ 2% of C					311.34
Contingency @ 3% of C					467.01
Transportation @ 7.5% of C					1,167.52
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					1,556.69
Sub Total					19,069.45
PART-V	Dismantalling Charges for existing poles materials				
Sl. No.	Particulars	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.
1	Dismantalling Charges for existing joist poles	Mtr.	1	1000.00	1000.00
2	Dismantalling Charges for existing PSC poles	Kg	1	1000.00	1000.00
3	Dismantalling Charges for 11 KV lines including conductor and line accessories	Span	0	500.00	0.00
4	GI S/C Bracket	e	1	400.00	400.00
Sub Total					2400.00
Total Estimated Cost					260,283.48
Or Say					260,283.00
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 @12%.

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

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

Sd/-
Joint Manager(Elect)