

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 BUS STAND AT JEYPORE IN THE DISTRICT OF KORAPUT.

BID REF NO.- 07/PM/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 in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-I	Installation of DP Mounted 315 KVA 11/0.4KV sub station using 9 mtr long 116X100 MM RS Joist pole.				
1	9 mtr long 116X100 MM RS Joist pole	Kg	65	414.00	26,910.00
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	Angel for mounting L.T Distribution box 50x50x6mm 2.5 mtr long 2 nos(4.5 Kg/Mtr).	Kg.	40.5	65.00	2,632.50
6	11 KV Disc insulator 70 KN (B &S)	No.	3	390.00	1,170.00
7	11 KV Hard ware fittings (B &S)type	No.	3	350.00	1,050.00
8	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
9	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00
10	11 KV Lighting arrestor, 9KV, 10KA	No.	3	1000.00	3,000.00
11	LT Distribution box with MCCB, Aluminium busbar for 4 bay with kitkat fuse for 315 KVA S/S	No.	1	71112.00	71,112.00
12	HT stay set	Set	2	1050.00	2,100.00
13	stay Insulator	No.	2	50.00	100.00
14	Stay Clamp	No.	2	125.00	250.00
15	7/10 SWG GI Saty wire	Kg	20	75.00	1,500.00
16	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	5	1050.00	5,250.00
17	Earthing support(Coil type)	No.	2	166.00	332.00

18	25X4 GI flat for earthing	Kg	30	75.00	2,250.00
19	25X4 GI flat for neutral	Kg	10	75.00	750.00
20	Ms bolt, Nuts & washers	Kg	25	71.00	1,775.00
21	315 KVA 11/0.4 KV(Al)Transformer with Tap changer Bis Energy level-II	No.	1	444910.00	444,910.00
22	LT 3 Core 240 sq. mm PVC Cable (un-Armoured)	Mtr.	20	808.00	16,160.00
23	Concrete material for stay anchor plate (0.45x0.45x1.5) mtr	Ls	2	1270.00	2,540.00
24	Concreting of S/S DP	Ls	2	1270.00	2,540.00
25	Couping with CC 1:3:6 by using 12mm size hard broken granide chips=0.3 mtrX0.3 mtrX0.45 mtr=0.0405cum	No.	2	190.00	380.00
26	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	4	1600.00	6,400.00
27	Base plate for support(GI base Plate)	No.	2	1500.00	3,000.00
28	Sundries	LS	1	2000.00	2,000.00
				Sub Total	623,229.50
				B. Stock, Storage & Insurance @ 3% of A	18,696.89
				Sub Total (C=A+B)	641,926.39
				T&P @ 2% of C	12,838.53
				Contingency @ 3% of C	19,257.79
				Transportation @ 7.5% of C	48,144.48
				Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%	24,298.73
				Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%	-
				Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%	15,595.18
				Sub total	762,061.09

29	<p>Constn. Of Boundary wall of distribution S/S with 1) 230mm thick brick masonry 2.25mtr. Height (1.5mtr height above the GL and 0.75 mtr below the GL) The wall shall be plastered both inside and outside with 16mm thick cement plaster in CM (1:6) mix over brick work the boundary wall shall be painted with two coats of white wash with time. The boundary wall of size (5.2RM+4.54RM+3.14RM+4.51RM)=17.39RM Total :-17.39RM @Rs.2800.00/RM=48692/-</p> <p>2) Supply and installation of double leaf of MS gate of height 1.5mtr X 1.5mtr mtr width made out of 30x30x6mm angel and 25x6mm flat. The gate shall be painted with 2 coats of approved epoxy paint, Total 1 No=1Lot@4000.00/each lot=Rs. 4000/-</p> <p>3) Construction of 2 Nos concrete coloumn of size (300(L)x300(B)x2000(H))mm with RCC concreting with reinfroced steel (1:3:6) for fixing of gate, Total:- 1No=1Lot@Rs.3240.00/each Lot=Rs. 3240.00 The two nos pillars, steel gate & 3.14RM length boundary wall are laying in fornt side of S/S</p>	No	1	55932	55932.00
30	<p>1) Earth work for digging of foundation and plinth 2mtrX2mtrX0.9=3.6cum</p> <p>2) Filling of foundation and plinth with sand, Water mourmed=0.15mtrX2mtr 2mtr=0.6cum</p> <p>3)CC(1:4:8) with 4cm size HBG metal=0.1mtr X 2mtr X2mtr=0.4cum</p> <p>4) RRHG stone masonry in cement mortar (1:6) in foundation plinth per 1cum (i)0.65mtr X 2mtr X 2mtr =2.6cum (ii) 1.4mtr X 1.8mtr X 1.8mtr= 1.54cum Total 7.17cum</p> <p>5) CC(1:2:4) with 12mm size HBG chips= 0.10mtr X 1.8mtr X 1.8mtr=0.32cum</p> <p>6)8mm Rod=1.8mtrX12X2=46.8mtr@0.39kg/mtr=46.8 X0.39kg=18.486 or 18.5kg</p> <p>7) 16mm thick cement plaster (1:6) over brick work & stone work =4X1.8X1.8X1.8X1.8=1296+324=16.2sft.</p>	No	1	29000	29000.00
	Sub total for fencing & metal spreading				84932.00
	Sub Total				846993.09
PART-II	3 phase 3W 11 KV line with 3C XLPE cable(Double Ckt.)-2x20-0.04 11 kv Single Core XLPE cable for Road Crossing-0.03 Km Road Crossing guarding-1 No. LT link Line with 3x95+1x70+1x16 sq mm AB cable-0.05 Km				

Sl. No.	Particulars	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.
1	13 mtr long 150X150 MM RS Joist pole	No	4	29237.00	116,948.00
2	Base plate for support(GI base Plate)	No.	3	1500.00	4,500.00
3	Earthing coil for supports GI	No.	3	166.00	498.00
4	11 KV Pin insulator320 CD	No	6	80.00	480.00
5	11 KV GI Pin	No	6	80.00	480.00
6	11 KV Disc insulator (B &S)	No.	6	390.00	2,340.00
7	11 KV Hard ware fittings (B &S)type	No.	6	350.00	2,100.00
8	100x50x6mm Ms channel for straight cross arm (1.2+0.25 mtr.)each 4 Nos. & DP-1 No.(2 PCx2.8 Mtr.)	Kg	104.88	65.00	6,817.20
9	75x40x6mm Ms channel for guarding 1 span	Kg	55.2	65.00	3,588.00
10	Angel for DP Brassing 50x50x6 mm 3.0 mtrs Long 2 Nos.(4.5 Kg/mtr.)	Kg	27	65.00	1,755.00
11	HT Stay Set complete	Set	3	1050.00	3,150.00
12	HT stay insulator Type	No	3	50	150.00
13	Stay clamp for PSC Pole	Pair	3	125.00	375.00
14	7/10 SWG GI Saty wire	Kg	30	75.00	2,250.00
15	Ms bolt, Nuts & wasners	Kg	30	71.00	2,130.00
16	1 C x50 sq. mm 11 KV XLPE Cable(Armoured),	Mtr.	60	176.00	10,560.00
17	Heat Shrinkable Jointing Kit for 1C x35/50 sq. mm 11 KV XLPE Cable(straight type)	No	6	6080.00	36,480.00
18	3C x50 sq. mm 11 KV XLPE cable	Mtr.	40	406.00	16,240.00
19	Heat Shrinkable Jointing Kit for 3C x50 sq. mm 11 KV XLPE Cable(outdoor type)	No	4	10949.00	43,796.00
20	11 KV Lightning arrester 5 KA	No	9	980.00	8,820.00
21	Concreting of stay set CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	3	1270.00	3,810.00
22	Concretingof support CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	3	1270.00	3,810.00
23	Padding and concreting materials for support	No	3	193.00	579.00
24	No.6 GI wire for 11 KV Line Guarding	Kg	30	75.00	2,250.00
25	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	3	1050.00	3,150.00
26	No.6 GI wire for earthing	Kg	3	75.00	225.00
27	7/12 swG GI stay wire for supporting XLPE Cable	Kg	12	75.00	900.00
28	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	3	1600.00	4,800.00
29	3x95+1x70+1x16 sq. mm AB cable	Km	0.05	243000	12,150.00
30	Dead End clamp I Hook	No	2	125.00	250.00
31	Pole clamp I Hook	No	2	200.00	400.00

32	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device etc	LS	1	1000.00	1,000.00
Total material cost A in Rs					296,781.20
B. Stock, Storage & Insurance @ 3% of A					8,903.44
Sub Total (C=A+B)					305,684.64
T&P @ 2% of C					6,113.69
Contingency @ 3% of C					9,170.54
Transportation @ 7.5% of C					22,926.35
Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%					6,022.82
Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%					
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%					18,522.82
Sub total					368,440.86
	Total Estimated Cost				1,215,433.95
	Total Estimated Cost in Figures				1,215,434.00
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/-
Project Manager(Elect.)