

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 6-E TYPE QTR. AT KUTRA POLICE STATION IN THE DIST. OF SUNDERGARH.					
BID REF NO.- 40/JM/ELECT/OPHWC/2018-19					
Bidder Name					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	Supports PSC Pole 9 Mtr. Long 11 kv Line	No	24	4121.00	98904.00
2	Supports PSC Pole 9 Mtr. Long 11 kv Line DP	No	2	4121.00	8242.00
3	Supports PSC Pole 9 Mtr. Long for Intermediate	No	2	4121.00	8242.00
4	Supports PSC Pole 9 Mtr. Long for S/S DP	No	2	4121.00	8242.00
A	Sub Total				123630.00
B	Stock,storage and insurance (@3% on A)				3708.90
C	TOTAL RS.(A+B=C)				127338.90
D	T&P @ 2% of C				2546.78
E	Contigency @ 3% of C				3820.17
F	Transportation @ 7.5% of C+GST @ 12% on Transportation cost				10696.47
G	Erection charges @ 20% of C +GST @ 12% on erection charges				28523.91
H	TOTAL RS.(PART-A)				172926.23
	Construction of 3 ph 3 wire 11 KV OH line with 55 sq. mmAAA conductor using 9 mtr. Long 300 kg PSC Pole.	KM	1.7		
1	55 sq. mm AAAC	Km	5.253	34992.00	183812.98
2	11 kv v cross Arm (MS) 10.2 Kg each	No.	20	663.00	13260.00
3	Back clamp for V cross arm 1.70 kg each	Pair	20	110.50	2210.00
4	11 kv F clamp 2.9 kg each	No.	20	188.50	3770.00
5	11 KV Disc Insulator (T&C) type	No	50	440.90	22045.00
6	11 KV H/W Fitting (T&C) type	No	25	136.00	3400.00
7	11 KV Pin Insulator	No	72	88.17	6348.24
8	11 KV GI Pin	No	72	85.00	6120.00
9	HT Stay set (Complete)	Set	17	1380.64	23470.88
10	HT Stay Insulator	Nos	17	55.00	935.00
11	HT Stay Clamp	Nos	17	123.50	2099.50
12	7/10 GI stay wire	Kg	170	75.00	12750.00
13	Earthing of support coil type	No	24	212.00	5088.00
14	Concrete material for stay anchor plate	No	17	450.00	7650.00
15	Padding and concreting material for support	No	24	650.00	15600.00
16	GI Nut ,Bolts and washers	Kg	56	95.00	5320.00
17	75x40x6 mm channel for straight cross arm 1.2 mtr.x12 nos.	Kg	166.46	65.00	10819.90

18	Sundries(Anticlimbing device,Paint,Danger Board)	Ls	1	2550.00	2550.00
	Construction of 11 kv intermediate pole.	No	2		
19	11 kv v cross Arm	No.	2	663.00	1326.00
20	Back clamp for V cross arm	No.	2	110.50	221.00
21	11 KV Pin Insulator	No	6	88.17	529.02
22	11 KV GI Pin	No	6	85.00	510.00
23	F clamp	No.	2	188.50	377.00
24	GI Nut ,Bolts and washers	Kg	4	95.00	380.00
25	Concreting of pole	No	2	650.00	1300.00
26	Coil earthing	No	2	212.00	424.00
	Construction of 11 kv Line DP with isolator arrangement.	No	1		
27	11 KV Pin Insulator	No	3	88.17	264.51
28	11 KV GI Pin	No	3	85.00	255.00
29	Top Channel 100x50x6 mm 2.8 Mtr. Long 2 Nos.(9.2 Kg/Mtr.)	Kg	51.52	65.00	3348.80
30	AB Switch Mounting Channel 75x40x6 mm, 2.8 Mtr long (6.8 kg per mtr)x 2 nos	Kg	38.08	65.00	2475.20
31	Bracing Channel75x40x6 mm -2x3Mtr. Long (6.8 Kg/Mtr.)	Kg	40.8	65.00	2652.00
32	Bracing angle 50x50x6 mm -2x4Mtr. Long (4.5 Kg/Mtr.)	Kg	36	65.00	2340.00
33	Cantilever channel for supporting AB switch arm, 75x40x6-1.5 mtr long, 2 nos (6.8 Kg per Mtr)	Kg	20.4	65.00	1326.00
34	Angle for cantilever arrangement for AB switch Arm 50x50x6-1.5 mtr long, 2 nos (4.5Kg per Mtr)total 7 Mtrs.	Kg	13.5	65.00	877.50
35	75x40x6 mm channel-1x1.5 Mtr. Long (6.8 Kg/Mtr.)for supporting AB switch panel	Kg	10.2	65.00	663.00
36	11 KV Disc Insulator (T&C) type	No	12	440.90	5290.80
37	11 KV H/W Fitting (T&C) type	No	6	136.00	816.00
38	11 KV 400 Amp isolator without earth switch with PI(porcelain)	Set	1	31860.00	31860.00
39	HT Stay set (Complete)	Set	4	1380.64	5522.56
40	HT Stay Insulator	Nos	4	55.00	220.00
41	HT Stay Clamp	Nos	4	123.50	494.00
42	GI Pipe Earthing 40 Dia Medium gauge 3 mtrs Long	Nos	1	804.00	804.00
43	Earthing of support coil type	No	2	212.00	424.00
44	GI Nut ,Bolts and washers	Kg	10	95.00	950.00
45	Clamp for bracing channel	kg	6	65.00	390.00
46	No. 6 GI wire for Earthing	Kg	3	75.00	225.00
47	7/10 GI stay wire	Kg	40	75.00	3000.00
48	Concrete material for stay anchor plate	No	4	450.00	1800.00
49	Padding and concreting material for support	No	2	650.00	1300.00
50	Materials for Massionary work for Earth pit, charcoal, salt etc	Nos	1	450.00	450.00
51	Charcoal ,salt etc. for earthing	Nos	1	400.00	400.00
52	Sundries(Anticlimbing device,Paint,Danger Board)	Ls	1	1000.00	1000.00
	11/.04 KV 63 KVA Transformer(Star-1,BIS/EEL-2)				

1	Pressure Channel 100x50x6mm MS Channel each 2.8 Mtr long 2 nos	Kg	51.52	65.00	3348.80
2	Transformer Mounting Channel 100x50x6mm MS Channel each 2.8 Mtr long (9.2 kg per mtr)x 2 nos	Kg	51.52	65.00	3348.80
3	AB Switch & HG Fuse Mounting Channel 75x40x6 mm, 2.8 Mtr long (6.8 kg per mtr)x 4 nos	Kg	76.16	65.00	4950.40
4	Cantilever channel for supporting AB Switch and HG Fuse, 75x40x6-1 mtr long, 2 nos (6.8 Kg per Mtr)	Kg	40.8	65.00	2652.00
5	Angle for cantilever arrangement for AB switch and HG fuse, 50x50x6-2.8 mtr long, 2 nos (4.5Kg per Mtr)total 7 Mtrs.	Kg	27	65.00	1755.00
6	Transformer belting Angel 50x50x6 mm-2.8 mtrs long 2 nos (4.5 Kg per mtr) with side angel total (7 Mtr)	Kg	31.5	65.00	2047.50
7	Angel for mounting LT distribution Box 50x50x6 mm MS Angel -2.5 mtrs each Long 2 nos (4.5 Kg per mtr)	Kg	22.5	65.00	1462.50
8	75x40x6 mm channel-1x1.5 Mtr. Long (6.8 Kg/Mtr.)for supporting AB switch panel	Kg	10.2	65.00	663.00
9	11 KV Disc Insulator (T&C) type	No	6	440.90	2645.40
10	11 KV H/W Fitting (T&C) type	No	3	136.00	408.00
11	11 KV AB Switch 3 Pole	Set	1	12597.12	12597.12
12	11 KV HG Fuse 3 Pole	Set	1	6368.00	6368.00
13	11 KV Lightning Arrester	Nos	3	1889.57	5668.71
14	HT Stay set (Complete)	Set	2	1380.64	2761.28
15	HT Stay Insulator	Nos	2	55.00	110.00
16	HT Stay Clamp	Nos	2	123.50	247.00
17	7/10 GI stay wire	Kg	20	75.00	1500.00
18	GI Pipe Earthing 40 Dia Medium gauge 2.5 mtrs Long	Nos	3	804.00	2412.00
19	Earthing of support coil type	No	2	212.00	424.00
20	No. 6 GI wire for Earthing	Kg	20	75.00	1500.00
21	Concrete material for stay anchor plate	No	2	450.00	900.00
22	Padding and concreting material for support	No	2	650.00	1300.00
23	Materials for Massionary work for Earth pit, charcoal, salt etc	Nos	3	400.00	1200.00
24	Charcoal ,salt etc. for earthing	Nos	3	450.00	1350.00
25	Clamp connector and jumpering	LS	1	600.00	600.00
26	GI Nut ,Bolts and washers	Kg	36	95.00	3420.00
27	tap,fencing metal spreading,Anticlimbing device,Paint,Danger Board)	Ls	1	2000.00	2000.00
A	Sub Total				469104.40
B	Stock,storage and insurance (@3% on A)				14073.13
C	TOTAL RS.(A+B=C)				483177.53
D	T&P @ 2% of C				9663.55
E	Contingency @ 3% of C				14495.33
F	Transportation @ 7.5% of C+GST @ 12% on Transportation cost				40586.91
G	Erection charges @ 10% of C +GST @ 12% on erection charges				54115.88
H	TOTAL RS.(PART-B)				602039.20

	Capacity of Transformer				
43	LT Disribution Box with MCCB and busbar arrangement	No	1	23014.00	23014.00
44	LT 3 1/2 core PVC Cable: 9 mtrs.50 sqmm for 63 KVA	Mtr.	9	378.00	3402.00
45	Socket and other cable accessories	Ls	1	400.00	400.00
A	Sub Total				26816.00
B	Stock,storage and insurance (@3% on A)				804.48
C	TOTAL RS.(A+B=C)				27620.48
D	T&P @ 2% of C				552.41
E	Contigency @ 3% of C				828.61
F	Transportation @ 7.5% of C+GST @ 12% on Transportation cost				2320.12
G	Erection charges @ 10% of C +GST @ 12% on erection charges				3093.49
H	TOTAL RS.(PART-C)				34415.12
	Capacity of Transformer				
1	11/.04 KV 63 KVA Transformer(Star-1,BIS/EEL-2)	No	1	125971.20	125971.20
A	TOTAL MATERIAL COST IN RS.				125971.20
B	Stock,storage and insurance (@3% on A)				3779.14
C	TOTAL RS.				129750.34
D	T&P @ 2% of C				2595.01
E	Contigency @ 3% of C				3892.51
F	Transportation @ 7.5% of C+GST on Transportation cost				10899.03
G	Erection charges @ 5% of C +GST on erection charges				7266.02
					154402.90
1	Construction of 1.5 mtr High Barbed Wire Fencing supply and erection of PCC post of size 5" x 5" 2.0 mtr high, 2.0 mtr C/C imbeded in 1:3:6 concrete (20 mm normal size of aggregate) Block 300x300x500 (H) mm. corner post shall be strutled on both sides and end post shall be strutled on one side only as per TS & Approved plan.	Run Mtr	750	13.20	9900.00
2	Supply & installation of Double leaf MS gate of height 1.5 mtr height x 1.5mtr width, made up of 30x30x6 angle & 25x6 Flat. The gate shall be painted with two coat of standard primer with two coats of standard epoxy paint.	Lot	4000	1.00	4000.00

3	Construction of 2 Nos concrete columns of size 300x300x2000 (H) mm with RCC concreting including reinforced sleep (1:3:6) for fixing of the gate as per approved drawing 8 mm Tor shall be used for main and 6 mm Tor shall be used for ring.	Lot	3240	1.00	3240.00
4	Construction of plinth using first class KB bricks masonry in CM (1:6) of size L1.5'xW 5'xH 4' and 4" thick reinforcement on the top using steel bar and 20 mm thick cement plaster over bricks masonry in CM (1:6). The foundation shall be providing of 4" thick sand filling and height of 1' 10" bricks masonry of size L5'xW5' in CM (1:6) first footing wall size 1' x 3" second footing of wall size 10" middle portion filled with sand	No	1	13000.00	13000.00
5	TOTAL RS.				30140.00
6	GST @12%(on Barbed wire Fencing +Plinth)				3616.80
7	TOTAL RS.(PART-D)				33756.80
A	TOTAL RS.(Part-A+Part-B+Part-C+Part-D)				997540.24
B	Total Estimated Cost in Figures				997,540.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)		_____ %			
Quoted Amount in Figure					
Quoted Amount in words					

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

Signature of Tenderer with seal

Sd/-
Asst. Project Manager[Elect.]

Sd/-
APM Elect. (Hqr.)

Sd/-
Consultant(Elect.)

Sd/-
Joint Manager(Elect.)