

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 :- 09 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ARMOURY BUILDING, 60 MEN BARRACK AND 120 MEN BARRACK AT MV-3 BSF CAMP, MALKANGIRI IN THE DISTRICT OF MALKANGIRI.

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 -0.13 Km				
1	11 Mtr. Long 160X152 WPB Pole(30.44 Kg/Mtr.)with strut Pole	No.	4	34321.5	137286.00
2	Straight cross arm channel 100x50x5 mm ,9.56 Kg/Mtr.,each channel length 1.2 Mtr.	Kg	68.83	97.5	6710.93
3	Straight cross arm Top channel 100x50x5 mm ,9.56 Kg/Mtr.,each channel length 0.306 Mtr.	Kg	17.55	97.5	1711.13
4	Fish Plate 50x8 mm,0.97 Kg/Mtr., each 0.280 mtr. Length	Kg	1.09	97.5	106.28
5	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1053.00	3159.00
6	Back clamp for 11 KV V Cross Arm	No.	3	104.00	312.00
7	Top Bracket 100x50x6 mm GI channel	No.	3	312.00	936.00
8	Danger Board	No.	4	104.00	416.00
9	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	1.2	97.50	117.00
10	GI barbed wire anticlimbing device	Kg	12	104.00	1248.00
11	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.81	97.50	468.98
12	11KV Pin Insulator polymer	No.	12	260.00	3120.00
13	HT stay set complete	No.	2	1365.00	2730.00
14	11KV stay insulator	No.	2	65.00	130.00
15	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
16	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
17	Earthing support coil type	No	4	215.80	863.20
18	GI Nuts and Bolts of assorted size	Kg	12	101.40	1216.80
19	55 sq. mm AAAC	Km	0.4017	39000.00	15666.30
20	Disc insulator 70 KN (B&S) Polymer	No.	9	1118.00	10062.00

21	11 KV HW fitting (B&S)3 bolted	Set	9	169.00	1521.00
22	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.05	97.50	102.38
A.Sub Total Rs.					190,157.98
II	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 No.				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	42.84	97.50	4176.90
2	Eye Bolt(along with 2 nuts, 1 flat, and spring washer each.)	No	4	421.00	1684.00
3	25x6 mm GI flat	Kg	20	97.50	1950.00
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
5	No-6 GI wire (0.192 Kg/Mtr.)	Kg	10	97.50	975.00
6	No-8 GI wire (0.131 Kg/mtr.)	Kg	12	97.50	1170.00
7	Ms Nut, bolt and washer	Kg	5	101.40	507.00
8	HT stay set complete	No.	2	1365.00	2730.00
9	11KV stay insulator	No.	2	65.00	130.00
10	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
11	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
B.Sub Total Rs.					18327.90
III	LT 3ph 5 W line using 4x50+1x50+1X16 sqmm XLPE AB Cable-0.45 Km				
1	9 Mtr. Long 300 KG PSC Pole(Including transportation cost to store)	No	14	3900.00	54600.00
2	4x50+1x50+1X16 sqmm LT XLPE AB Cable	Km	0.45	228423.80	101648.59
3	RCC Base Plate	No	14	364.00	5096.00
4	Danger Board	No.	14	104.00	1456.00
5	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	4.21	97.50	410.48
6	GI barbed wire anticlimbing device	Kg	42	104.00	4368.00
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	16.85	97.50	1642.88
8	Pole clamp for eye Hook for AB cable	Pair	14	260.00	3640.00
9	Suspension clamp with I Hook for ABC	No.	14	442.00	6188.00
10	Eye Hook for AB Cable for Dead end point	No.	5	65.00	325.00
11	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	5	162.50	812.50
12	L.T Stay set (Complete)	Set	7	676.00	4732.00
13	L.T Stay Insulator	No.	7	1365.00	9555.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	215.80	1510.60
15	7/12 SWG Stay Wire	Kg	70	97.50	6825.00
16	Earthing device coil type(GI)	No	14	215.80	3021.20
17	No.8 GI wire (Dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	3.67	97.50	357.83
18	End Cap for ABC Cable	No	5	152.00	760.00
19	GI Nuts and Bolts of assorted size	Kg	7	101.40	709.80
C.Sub Total Rs.					207,658.87
PART-IV	100 KVA 11/0.4KV sub station -01 No.				
1	11 Mtr. Long 160X152 WPB Pole(30.44 Kg/Mtr.)	No.	2	34321.5	68643.00

2	100 KVA 11/0.4 KV Amorphus/CRGO core conventional type copper wound DTR with BIS Energy Level-II, Conventional DTR(CU)	No	1	197353.00	197353.00
3	LT Distribution box with MCCB, Aluminium Bus bar with Kitkat Fuse for 100 KVA S/S	No	1	31744.00	31744.00
4	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
5	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
6	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
7	Cable 1.1 KV Al 1Cx150 sq. mm	Mtr.	71.336	162.70	11606.37
8	Gland for 1.1 KV Al 1Cx150 sq. mm	No	4	128.00	512.00
9	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.56K.g/mtr)	K.g	53.53	97.50	5219.18
10	Transformer base GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.56K.g/mtr)	K.g	53.53	97.50	5219.18
11	AB switch mounting GI channel(75x40x4.8)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	39.98	97.50	3898.05
12	HG fuse mounting GI channel(75x40x4.8)mm,2.8mtr long 4 No(7.14 Kg/mtr)	K.g	39.98	97.50	3898.05
13	Transformer belting angle(50x50x6)mm 2.8 Mtr. Long,2 No.(4.5 Kg/Mtr.)	K.g	31.5	97.50	3071.25
14	AB switch Operating pipe channel support 75x40x4.8 mm GI(625 mm Long)(7.14 Kg/Mtr.)	Kg.	4.46	97.50	434.85
15	AB switch side support channel 75x40x4.8 mm GI(330 mm Long)(7.14 Kg/Mtr.)	Kg.	6.59	97.50	642.53
16	HG Fuse side support channel 75x40x4.8 mm GI(330 mm Long)(7.14 Kg/Mtr.)	Kg.	6.59	97.50	642.53
17	Cantilever support Channel 75x40x4.8mm GI channel(810 mm Long)(7.14 Kg/Mtr.)	Kg.	5.7834	97.50	563.88
18	AB switch Operating pipe Diagonal angle support 50x50x6 mm GI(388 mm Long)(4.5 Kg/Mtr.)	Kg.	1.746	97.50	170.24
19	AB switch Operating pipe Diagonal Base angle support 50x50x6 mm GI(340 mm Long)(4.5 Kg/Mtr.)	Kg.	1.53	97.50	149.18
20	Cantilever support angle 50x50x6 mm GI (1282 mm Long)(4.5 Kg/Mtr.)	Kg.	5.769	97.50	562.48
21	Angle for mounting LT Distribution Box (50x50x6)mm 1 mtr. Long 2 No.(4.5 Kg/Mtr.)	Kg.	4.5	97.50	438.75
22	Disc insulator 70 KN (B&S) Polymer	No.	3	1495.00	4485.00
23	11 KV HW fitting (B&S)3 bolted	No	3	455.00	1365.00
24	HT stay set (Complete)	No.	2	1365.00	2730.00
25	stay Insulator, Type-C	No.	2	65.00	130.00
26	Stay clamp	pair	2	162.50	325.00
27	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00

28	Earthing coil type	No	2	215.00	430.00
29	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.626	97.50	61.04
30	50x6 mm GI flat for earthing	Kg	6	97.50	585.00
31	25x4 mm GI Flat(LA)	Kg	6	97.50	585.00
32	GI nut,bolt & washers	Kg	25	101.40	2535.00
33	Lug AL crimping 70 sq. mm for 7/8 SWG wire/earthing	EA	54	97.50	5265.00
34	Lug AL crimping 70 sq. mm XLPE one Hole	EA	8	17.71	141.68
35	40 mm nominal bore GI pipe (medium gauge)earthing device with 3 Mtr. Long	No	7	1365.00	9555.00
	D.Sub Total Rs.				386322.20
A	TOTAL MATERIAL COST				802,466.94
B	Stock, Storage & Insurance @ 3% of A				24,074.01
C	Sub Total (C=A+B)				826,540.95
D	Contingency @3% of C				24,796.23
E	T & P 2% of C				16,530.82
F	Transportation @ 7.5% of C				61,990.57
G	Erection Charges for PSC Pole @ 20%				11,247.60
H	Erection Charges of DTR and Joist Poles @ 5%				20,769.02
I	Erection Charges of other @ 10%				35,492.24
J	Sub Total Rs.				997,367.43
36	Cement Concrete for stay anchor plate CC foundation 1:3:6 size by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	11	1270.00	13970.00
37	Cement Concreting for support with C.C with couping 1:3:6 by 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.	20	1460.00	29200.00
38	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal and RCC cover etc.	No	9	1600.00	14400.00
39	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16796.42

	Total Rs.(Part-III)				1,071,733.85
	Cess @ 1%				10,717.34
	Total Estimated Cost				1,082,451.19
	Total Estimated Cost in Figures				1,082,451.00
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.)**