

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 ZILLA PARISAD BHAWAN, BOUDH IN THE DIST. OF BOUDH.

BID REF NO.- 39/DGM//ELECT/OPHWC/2024-25

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-A				
PART-I	3 phase 3W 11 KV line with 80 sq. mm AAAC with cut point-0.81 Km				
1	11 Mtr Long (160x160)mm WPB GI Pole(30.44 Kg/mtr)	No	19	34321.52	652108.88
2	Earthing Device coil type GI	No	19	225.76	4289.44
3	No.8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.,2 Mtr. For connecting pole with coil earthing	Kg	4.980	102.00	507.96
4	100x50x6 mm GI channel for straight cross arm,1.25 Mtr. Each 10 Nos,for one tapping point, one end point & 2 Nos. cut point.	Kg	138	102.00	14076.00
5	Disc insulator 70 KN (B&S) Polymer	No.	18	1564.00	28152.00
6	11 KV HW fitting (B&S)2 Bolted	No	18	476.00	8568.00
7	11 KV 'V' cross arm(10.2 Kg each)GI	No.	16	1240.32	19845.12
8	GI Back clamp for 11 KV V Cross Arm	No.	16	108.80	1740.80
9	11 KV F clamp 2.9 Kg each	No	16	365.84	5853.44
10	11 Kv pin insulator Polymer	No	57	272.00	15504.00
11	80 sq. mm AAAC	Km	2.5029	58480.00	146369.59
12	PG clamp for 80 sq. mm AAAC	No	18	720.40	12967.20
13	HT stay set complete	No.	6	1428.00	8568.00
14	11KV stay insulator	No.	6	68.00	408.00
15	7/10 SWG stay wire	Kg	60	102.00	6120.00
16	HT stay clamp (1.9 Kg/Pair)	pair	6	170.00	1020.00
17	Danger Board	No	19	108.80	2067.20
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	57	108.80	6201.60
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	5.7171	102.00	583.14

20	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg			
			22.868	102.00	2332.54
21	Sundries (clamp, connectors, Binding tape etc.)	LS	1	2000.00	2000.00
					939282.91
PART-II	3 phase 3W 11 KV line DP WITH AB Switch-1 NO.				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing support coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5255.04
5	AB switch mounting channel GI(100x50x6)mm,2.8mtr long 2 Nos(9.2 Kg/mtr)	K.g	51.52	102.00	5255.04
6	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	K.g	6.44	97.50	627.90
7	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	Kg.	5.44	102.00	554.88
8	GI channel for supporting DP Arm ,75x40x6 mm ,2.8 mtr. Long ,2 Nos.(6.8 Kg/Mtr.)	Kg.	38.08	102.00	3884.16
9	Bracing angle GI 50x50x6 mm 4 Mtr. Long ,2 Nos.(4.5 Kg/Mtr.)	Kg.	36	102.00	3672.00
10	Disc insulator 70 KN (B&S) Polymer	No.	6	1564.00	9384.00
11	11 KV HW fitting (B&S)2 Bolted	No	6	476.00	2856.00
12	11 Kv pin insulator Polymer	No	3	272.00	816.00
13	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	16116.00	16116.00
14	11 KV LA(9 KV,10 KA)	No	3	1360.00	4080.00
15	PG clamp for 80 sq. mm AAAC	No	6	720.80	4324.80
16	HT stay set	No.	4	1428.00	5712.00
17	HT stay Insulator, Type-C	No.	4	68.00	272.00
18	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
19	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
20	Danger Board	No.	2	108.80	217.60
21	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
22	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	3	1428.00	4284.00
23	50x6 mm GI Flat for earthing	Kg	35.4	102.00	3610.80
24	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51

25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	102.00	61.38
26	GI Nut, Bolt & washer	Kg	10	106.08	1060.80
27	Sundries (clamp, connectors, Binding tape etc.)	No.	1	1000.00	1000.00
					147850.73
PART-III	3 phase 3W 11 KV line with 3 C 50 sq. mm XLPE Cable-0.03 Km(double circuit)				
1	3Cx50 sq. mm 11 KV XLPE cable(armoured)A2XFY	Mtr.	63	552.16	34786.08
2	Heat Shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable(out door type)	No.	4	14890.64	59562.56
3	Eye Hook for XLPE cable	No	4	81.60	326.40
4	Pole clamp for eye Hook for XLPE cable	pair	4	272.00	1088.00
5	XLPE Cable clamp to hold support wire	No.	63	24.22	1525.86
6	7/12 GI stay wire for supporting cable	Kg	19.404	102.00	1979.21
7	9 KV 10 KA 11 KV Lightning Arrester	No	6	1360.00	8160.00
8	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1428.00	2856.00
9	50x6 mm GI Flat for earthing	Kg	23.6	102.00	2407.20
					112691.31
PART-IV	DP STRUCTURE WITH 11 MTR. WPB POLE FOR INSTALLATION OF MU				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing support coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5255.04
5	Double Pole Belting channel GI(75x40x6)mm,2.8mtr long 2 Nos(6.8 Kg/mtr)	K.g	38.08	102.00	3884.16
6	Metering Unit Mounting Channel (100x50x6)mm ,2.8 Mtr. Long ,2 Nos.,9.2 Kg/Mtr. With Galvanisation for installation of metering Unit	K.g	51.52	102.00	5255.04
7	Bracing angle GI 50x50x6 mm 4 Mtr. Long ,2 Nos.(4.5 Kg/Mtr.)	Kg.	36	102.00	3672.00
8	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1428.00	2856.00
9	50x6 mm GI Flat for earthing	Kg	23.6	102.00	2407.20
10	HT stay set	No.	4	1428.00	5712.00
11	HT stay Insulator, Type-C	No.	4	68.00	272.00
12	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
13	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
15	Danger Board	No.	2	108.80	217.60

16	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
18	GI Nut, Bolt & washer	Kg	10	106.08	1060.80
19	Sundries (clamp, connectors,Binding tape etc.)	No.	1	1000.00	1000.00
					106459.55
A.Sub Total Rs.					1,306,284.49
B	Stock,storage and insurance (@3% on A)				39188.53
C	TOTAL RS.				1345473.03
D	T&P @ 2% of C				26909.46
E	Contingency @ 3% of C				40364.19
F	Transportation @ 7.5% of C				100910.48
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				93893.55
H	TOTAL RS.				1607550.70
20	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	14	1235.58	17298.12
21	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	23	2880.00	66240.00
22	Couping of poles with C.C 1:1:5:3,0.1125 cum @6400	Nos.	23	720.00	16560.00
23	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
					1,718,848.82
	PART-B				
PART-I	Installation of 250 KVA 11/0.4KV sub station -1				
	No.				
1	9 Mtr Long 300 KG PSC Pole	No	2	4080.00	8160.00
2	RCC Base Plate	No	2	408.00	816.00
3	Earthing Device coil type GI	No	2	225.76	451.52
4	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
5	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
6	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	51.52	102.00	5255.04
7	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32

8	Cantilever GI Channel for supporting AB Switch Arm,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
9	Cantilever GI angle for supporting AB Switch & HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	102.00	918.00
10	Transformer Belting GI angle 50x50x6 mm -2.8 Mtr. Long ,2 Nos. @ 4.5 Kg/Mtr.with side angle total 7 Mtr.	Kg.	31.5	102.00	3213.00
11	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	102.00	918.00
12	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	102.00	656.88
13	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	102.00	554.88
14	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
15	11 KV HW fitting (B&S)45 KN	No	3	353.60	1060.80
16	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16116.00	16116.00
17	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	15680.80	15680.80
18	11 KV LA(9 KV, 10 KA)	No.	3	1360.00	4080.00
19	HT stay set (Complete)REC Construction standard	No.	4	1428.00	5712.00
20	HT stay Insulator, Type-C	No.	4	68.00	272.00
21	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
22	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4080.00
23	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996.00
24	25x6 mm GI flat(Neutral)	Kg	60	102.00	6120.00
25	25x4 mm GI flat	Kg	10	102.00	1020.00
26	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
27	PG clamp for 55 sq. mm AAAC	Nos.	3	652.80	1958.40
28	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
29	250 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	365092.00	365092.00
30	LT Distribution box with MCCB, Aluminium Bus bar for 3 bay with Kitkat Fuse for 250 KVA S/S	No	1	65280.00	65280.00
31	240 sq. mm 3.5 core LT XLPE Cable	Mtr.	15	1098.88	16483.20
32	Danger Board	No.	2	108.80	217.60
33	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
34	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
35	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51

36	Sundries (clamp connector, jumpering materials, paint etc.)	LS	1	1000.00	1000.00
	A.Sub Total Rs.				559,416.63
B	Stock,storage and insurance (@3% on A)				16782.50
C	TOTAL RS.				576199.12
D	T&P @ 2% of C				11523.98
E	Contingency @ 3% of C				17285.97
F	Transportation @ 7.5% of C				43214.93
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				39658.16
H	TOTAL RS.				687882.17
37	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	4	1235.58	4942.32
38	Concreting of Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	2	2400.00	4800.00
39	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	720.00	1440.00
40	Plinth for installation of 250 KVA DTR	Nos.	1	36000.00	36000.00
41	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM considering height above ground depth -1.2 mtr. Including the cost of fabrication ,installation of MS Gate(1.5x1.65)(as per TPSODL specification)	Nos.	18	7300.12	131402.16
42	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
					877,666.65
PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.88 Km				
1	9 Mtr Long 300 KG PSC Pole	No	24	4080.00	97920.00
2	RCC Base Plate	No	24	408.00	9792.00
3	Earthing Device coil type GI	No	24	225.76	5418.24
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	6.288	102.00	641.38
5	Pole clamp for eye Hook for XLPE cable	No	24	272.00	6528.00
6	Dead end clamp suitable for XLPE cable	No	16	170.00	2720.00
7	Suspension clamp with I Hook	No.	16	462.40	7398.40
8	3x95+1x70+1x16 sqmm XLPE AB Cable	Km	0.88	330480.00	291483.36
9	L.T Stay set (Complete)	Set	8	707.20	5657.60
10	L.T Stay Insulator	No.	8	40.80	326.40
11	L.T Stay Clamp(1.4 K.g/Pair)	Pair	8	149.60	1196.80
12	7/12 SWG Stay Wire	Kg	64	102.00	6528.00
13	GI Nuts, Bolt and washer	Kg	20	106.08	2121.60
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	72	108.80	7833.60

15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	28.89	102.00	2946.78
16	Danger Board	No.	24	108.80	2611.20
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	7.22	102.00	736.44
18	Sundries (paint,clamp connectors, Binding tape)	LS	1	1000.00	1000.00
A.Sub Total Rs.					452,859.80
B	Stock,storage and insurance (@3% on A)				13585.79
C	TOTAL RS.				466445.59
D	T&P @ 2% of C				9328.91
E	Contigency @ 3% of C				13993.37
F	Transportation @ 7.5% of C				34983.42
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				56730.30
H	TOTAL RS.				581481.59
19	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	8	1235.58	9884.64
20	Concreting of Pole in ratio 1:1:5:3=0.375 cum	Nos.	24	2400.00	57600.00
21	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	24	720.00	17280.00
Total Rs.					666,246.23
Sub Total Rs.					3,262,761.71
Cess @ 1%					32,627.62
Total Estimated Cost					3,295,389.33
Total Estimated Cost in Figures					3,295,389.00
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/-
D.M (Elect) I/C

Sd/-
DGM Engg. (Elect.)