

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com****PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO CATER POWER SUPPLY TO FIRING RANGE AT 2ND IR BN., RAYAGADA IN THE DISTRICT OF RAYAGADA.****BID REF NO.-39/PM/ELECT/OPHWC/2026-27**

NAME & ADDRESS OF THE FIRM					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	Construction of 3P 3W Line with 55 sq. mm AAAC -0.750 Km				
1	11 KV V cross arm	No	5	851.00	4,255.00
2	GI Back Clamp for V cross arm	No	5	140.00	700.00
3	11 KV F clamp arm	No	5	135.00	675.00
4	11 KVPole Top Bucket GI	No	12	81.00	972.00
5	Disc. Insulator 70KN Polymer	Ea	27	150.00	4,050.00
6	11KV H/W fittings	No	27	412.00	11,124.00
7	11 KV pin insulator polymer	No	30	140.00	4,200.00
8	HT Stay Set (Complete)	No	10	1,434.00	14,340.00
9	11 KV Stay Insulator	No	10	87.00	870.00
10	HT Stay Clamp	Pair	10	260.00	2,600.00
11	7/10 SWG Stay Wire , 15 Kg/stay	Kg	100	77.00	7,700.00
12	Earthing of Support (Coil Type)	No	9	164.00	1,476.00
13	RCC Base Plate	No	8	361.34	2,890.71
14	GI Nut , Bolt & Washer of different sizes	Kg	18	74.00	1,332.00
15	100X50X6 mm Channel for straight cross Arm	Kg	132.48	78.00	10,333.44
16	9 Mtr Long 300KG PSC Pole	No	8	3,630.00	29,040.00
17	13 Mtr Long GI WPB Pole	No	1	42,291.86	42,291.86
18	100mm2 XLPE insulated covered Conductor AAA	Km	2.32	131,000.00	303,592.60
19	100mm2 All Alloy Aluminium Conductor AAAC	Km	0.31	78,410.00	24,228.69
20	Wedge connector for 55 sq.mm. Conductor	No	27	100.00	2,700.00
21	Fish Plate 50x8 mm	No	7.33	111.00	813.96
22	Danger Board	No	9.00	180.00	1,620.00
23	Back clamp for Danger Plate 25x3 mm ,flat, 0.6 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(0.306Kg/PC)	Kg	2.75	72.00	198.29

24	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos.	Kg	11.02	72.00	793.08
25	GI barbed wire/Anticlimbing device	Kg	27	74.00	1,998.00
26	Sundries	Rs	1	3,600.00	3,600.00
	Total Rs.				478,394.63
A	A. Sub total				478,394.63
B	B. Stock, Storage & Insurance @ 3% of A				14,351.84
C	Sub Total (C=A+B)				492,746.47
D	T&P @ 2% of C				9,854.93
E	Contingency @ 3% of C				14,782.39
F	Transportation @ 7.5% of C				36,955.99
G	Erection Charges @ 20% on PSC poles				5,982.24
H	Erection Charges of DTR and Joist Poles @ 5%				2,178.03
I	Erection Charges @ 10%				41,927.47
J	Total				604,427.52
27	Concreting of support with ratio ,1:1:5:3 (M20 Grade) using HBC metal=0.5mtr x 0.5 Mtr x1.5mtr=0.375 Cum@6648.85 =0.375	No	8	2,493.32	19,946.56
28	Concreting of support with ratio ,1:1:5:3 (M20 Grade) using HBC metal=0.35 Cum	No	1	3,656.87	3,656.87
29	Couping CC 1:1:5:3 of =0.5x0.3x0.45=0.1125 Cum	No	9	748.00	6,732.00
30	Cement Concrete for Stay Anchor plate/stud CC foundation 1:2:4 size	No	10	1,300.00	13,000.00
31	Survey of incremental/delta network and assets changes of 11 KV network and updation in GESW databas	Km	0.87	9,633.00	8,350.19
	Total Rs.				656,113.14
II	Proposed 13 Mtr WPB Pole DP Structure-1 No.				
1	13 Mtr Long WPB GI Pole	No	2	42,291.86	84,583.72
2	Top Pressure Channel(GI) GI 100 X 50 X 6 MM 2.8 Mtr Long 2nos (9.2Kg/mtr)	Kg	51.52	78.00	4,018.56
3	Bracing Channel (75x40x6) MM GI 2.8 Mtr Long 2 Nos (4.5Kg/Mtr)	Kg	38	78.00	2,970.24
4	Bracing angle (50x50x6) MM GI angle ,4.0 Mtr long 2 Nos (4.5Kg/Mtr)	Kg	36	69.00	2,484.00
5	11 KV 70KN Polymer Disc. Insulator	No	6	150.00	900.00
6	11KV H/W fittings type 70KN	No	6	412.00	2,472.00
7	11KV 5KN Polymer pin insulator.	No	3	140.00	420.00
8	H.T stay set (complete)	set	4	1,434.00	5,736.00
9	H.T stay insulator	No	4	87.00	348.00
10	H.T Stay Clamp	pair	4	260.00	1,040.00
11	7/10 SWG Stay Wire	Kg	40	77.00	3,080.00
12	55 sq. mm AAA Conductor	Km	0.02	43,300.00	866.00
13	Earthing support (coil type)	No	2	164.00	328.00

14	Danger Board	No	2	180.00	360.00
15	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.60	72.00	43.33
16	GI barbed wire/Anticlimbing device	Kg	6	74.00	444.00
17	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	72.00	173.52
18	GI Nut , Bolt & Washer of different sizes	Kg	12	74.00	888.00
19	Sundries	Ls	1	2,000.00	2,000.00
	Total Rs.				113,155.37
A	A. Sub total				113,155.37
B	B. Stock, Storage & Insurance @ 3% of A				3,394.66
C	Sub Total (C=A+B)				116,550.03
D	T&P @ 2% of C				2,331.00
E	Contingency @ 3% of C				3,496.50
F	Transportation @ 7.5% of C				8,741.25
G	Erection Charges @ 20% on PSC poles				
H	Erection Charges of DTR and Joist Poles @ 5%				4,356.06
I	Erection Charges @ 10%				2,942.88
J	Total				138,417.73
20	Concreting of support with ratio ,1:1:5:3 (M20 Grade) using HBC metal=0.53 Cum@6648.85 =0.55	No	2	3,656.87	7,313.74
21	Couping CC 1:1:5:3 of =0.5x0.5x0.45=0.1125 Cum@6648.85=0.1125	No	2	748.00	1,496.00
22	Cement Concrete for Stay Anchor plate/stud CC foundation 1:2:4 size =0.3x0.5x0.8=0.2cum@ Rs6500	No	4	1,300.00	5,200.00
	Total Rs.				152,427.47
III	Line AB switch with 13 mtr WPB DP Structure=1No.				
1	13 Mtr Long WPB GI Pole	No	2	42,291.86	84,583.72
2	Top Pressure Channel(GI) GI 100 X 50 X 6 MM 2.8 Mtr Long 2nos (9.2Kg/mtr)	Kg	51.52	78.00	4,018.56
3	Bracing Channel (75x40x6) MM GI 2.8 Mtr Long 2 Nos (4.5Kg/Mtr)	Kg	38	78.00	2,970.24
4	Bracing angle (50x50x6) MM GI angle ,4.0 Mtr long 2 Nos (4.5Kg/Mtr)	Kg	36	78.00	2,808.00
5	AB Switch mounting channel (75x40x6) mm GI 2.8Mtr long(6.8kg/mtr)	Kg	38	78.00	2,970.24
6	Supporting Channel for AB switch handle (75x40x6mm Ms Channel), 0.6 mtr long 1 no 6.8kg/mtr	Kg	4	78.00	318.24
7	11 KV 70KN Polymer disc. Insulator	No	6	150.00	900.00

8	11KV H/W fittings type 70KN	No	6	412.00	2,472.00
9	11KV 5KN Polymer pin insulator.	No	3	140.00	420.00
10	11KV AB switch 3 Pole 400 Amp	Set	1	10,972.00	10,972.00
11	11 KV LA 12KV 10KA Station Class.	No	3	1,960.00	5,880.00
12	H.T stay set (complete)	set	4	1,434.00	5,736.00
13	H.T stay insulator	No	4	87.00	348.00
14	H.T Stay Clamp	pair	4	260.00	1,040.00
15	7/10 SWG Stay Wire	Kg	40	77.00	3,080.00
16	Earthing support (coil type)	No	2	164.00	328.00
17	40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr long.	No	3	1,300.00	3,900.00
18	No 25x6 mm GI Flat for earthing	Kg	45	72.00	3,240.00
19	Danger Board	No	2	180.00	360.00
20	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.60	72.00	43.29
21	GI barbed wire/Anticlimbing device	Kg	6	74.00	444.00
22	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	72.00	173.30
23	GI Nut , Bolt & Washer of different sizes	Kg	10	74.00	740.00
24	Sundries	Ls	1	1,000.00	1,000.00
					138,745.60
A	A. Sub total				138,745.60
B	B. Stock, Storage & Insurance @ 3% of A				4,162.37
C	Sub Total (C=A+B)				142,907.97
D	T&P @ 2% of C				2,858.16
E	Contingency @ 3% of C				4,287.24
F	Transportation @ 7.5% of C				10,718.10
G	Erection Charges @ 20% on PSC poles				
H	Erection Charges of DTR and Joist Poles @ 5%				4,356.06
I	Erection Charges @ 10%				5,578.67
J	Total				170,706.20
25	Materials for massionary work for earth pit, Charcoal, salt etc including construction of earthing chamber and RCC slab cover.	Ls	3	1,600.00	4,800.00
26	Concreting of support with ratio ,1:1:5:3 (M20 Grade) using HBG metal=0.5mtrx0.5mtrx1.5mtr=0.375 @6648.85=0.375x6648.85=2493.32	No	2	2,493.32	4,986.64
27	Couping CC 1:1:5:3 of =0.5x0.5x0.45=0.1125 Cum@6648.85=0.1125	No	2	748.00	1,496.00

28	Cement Concrete for Stay Anchor plate/stud CC foundation 1:2:4 size =0.3x0.5x0.8=0.2cum@ Rs6500	No	4	1,300.00	5,200.00
29	S. Total RS				187,188.84
IV	LT LINE 0.02 Km				
1	8 Mtr. Long 200 Kg PSC Pole	No	1	2,390.00	2,390.00
2	LT Stay set	No	2	736.00	1,472.00
3	LT Stay insulator	No	2	19.00	38.00
4	LT Stay Clamp	No	2	350.00	700.00
5	7/10 SWG Stay Wire	No	16	77.00	1,232.00
6	AB Cable(4x35+1x35+1x25) sq.mm.	No	0.02	167,000.00	3,507.00
7	RCC Base plate for PSC Pole	No	1	361.34	361.34
8	Earthing coil	No	1	164.00	164.00
9	Pole clamp for eye Hook for (XLPE Cable)	pair	2	240.00	480.00
10	Conductor Dead End Clamp suitable for bare messenger XLPE Cable(25-70 sqmm)	No	2	217.00	434.00
11	Eye hook for (XLPE) cable dead end Clamp	No	2	75.00	150.00
12	IPC Type-B-main 25 to 150 sq.mm. & Tap-25 to 150 sq.mm.	No	12	117.95	1,415.40
13	GI Nut, Bolt & washer	Kg	1.5	74.00	111.00
14	Danger Board	No	1	180.00	180.00
15	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.31	72.00	22.03
16	GI barbed wire/Anticlimbing device	Kg	3	74.00	222.00
17	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.22	72.00	88.13
18	No-8 GI wire (0.131 Kg/mtr.)	kg	0.26	74.00	19.39
19	Sundries for LT(Zebra Paint, Binding Tape,Pole numbering)	Ls	1	300.00	300.00
A	A. Sub total				13,286.29
B	B. Stock, Storage & Insurance @ 3% of A				398.59
C	Sub Total (C=A+B)				13,684.88
D	T&P @ 2% of C				273.70
E	Contingency @ 3% of C				410.55
F	Transportation @ 7.5% of C				1,026.37
G	Erection Charges @ 20% on PSC poles				492.34
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges @ 10%				1,122.32
J	Total				17,010.15
20	Cement Concrete for Support with CC foundation 1:1.5:3 size =0.5x0.5x1.5=0.375cum@ Rs6648.85	No	1	2,493.32	2,493.32
21	Couping CC 1:1.5:3 of =0.5x0.5x0.45=0.1125 Cum@6648.85=0.1125xRs6648.85=rs 748(for all PSC Pole)	No	1	748.00	748.00
22	Cement Concrete for Stay Anchor plate/stud CC foundation 1:2:4=(0.5x0.3x0.8) mtr=0.2Cum @ 6300	No	2	1,300.00	2,600.00

23	GIS Service (Survey of incremental/deltaEnetwork and assets changes of LT network and updatation in GESW database)	Km	0.021	9,633.00	202.29
	Total Rs.				23,053.76
V	Service Connection - 1 No.				
1	Cable 1.1 KV AL 4Cx25 sq.mm. XLPE Armoured	Mtr	30	194.08	5,822.40
2	GI Wire No-8	Kg	3	74.00	222.00
3	Kit Kat Fuse 200 Amp	No	3	348.00	1,044.00
4	GI Service Connection Bracket	No	1	399.60	399.60
5	Sundries	Ls	1	300.00	300.00
	Total Rs.				7,788.00
A	A. Sub total				7,788.00
B	B. Stock, Storage & Insurance @ 3% of A				233.64
C	Sub Total (C=A+B)				8,021.64
D	T&P @ 2% of C				160.43
E	Contingency @ 3% of C				240.65
F	Transportation @ 7.5% of C				601.62
G	Erection Charges @ 20% on PSC poles				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges @ 10%				802.16
J	Total				9,826.51
VI	INSTALLATION OF 25 KVA S/S.				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3,630.00	7,260.00
2	Top Pressure Channel(GI) 100 X 50 X 6 MM 2.8 Mtr Long 2nos (9.2Kg/mtr)	Kg	51.52	78.00	4,018.56
3	Transformer mounting Channel(GI) 100 X 50 X 6 MM 2.8 Mtr Long 2nos (9.2Kg/mtr)	Kg	51.52	78.00	4,018.56
4	AB Switch & HG fuse Mounting GI Channel 75x40x6mm2.8mtr long 4 Nos (6.8Kg/mtr)	kg	76.16	78.00	5,940.48
5	Cantilever channel for supporting HG fuse 75x40x6mm MS Angle 1mtr long 2Nos (6.8 Kg/mtr)	Kg	13.6	78.00	1,060.80
6	Cantilever channel for supporting AB switch 50x50x6mm GI Angle 1mtr long 2Nos (4.5 Kg/mtr) .	Kg	9	78.00	702.00
7	AB switch side support GI Channel 100x50x6 9.2kg/mtr each channel length 0.35mtr,02nos channel required	Kg	6.44	78.00	502.32
8	Transformer Belting angle 50x50x6mm	kg	31.5	78.00	2,457.00
9	Angle for mounting od LT distribution box 50x50x6mmmm 3mtr long each (4.5kg/mtr)	Kg	13.5	78.00	1,053.00
10	11KV 70KN Polymer Disc insulator	No	3	150.00	450.00
11	11 KV H/W fittings type 70KN	No	3	412.00	1,236.00
12	AB switch (11KV ,200A,16KA/sec 3Pole,50Hz) Polymer type insulator (Horizontal mount)	Set	1	9,080.00	9,080.00
13	H.G Fuse (11KV ,200A, 3Pole,50Hz) Polymer type insulator.(Horizontal mount)	Set	1	6,037.00	6,037.00
14	11KV Lightning Arrester 12KV 10KA Station Class without surge counter	No	3	1,960.00	5,880.00
15	LTDB GI for 25 KVA S/S	No	1	26,720.00	26,720.00

16	Channel Support for down pipe 75x40x6mm 6.8kg/mtr each channel length 0.8mtr 01nos channel required.	Kg	5.40	69.00	372.60
17	HT Stay Set (complete)	Set	2	1,434.00	2,868.00
18	HT Stay insulator	No	2	87.00	174.00
19	HT Stay Clamp	No	2	260.00	520.00
20	7/10 SWG GI wire Stay	Kg	20	77.00	1,540.00
21	GI pipe earthing 40mm Dia medium range 3mtr long for earthing device.	No	7	1,300.00	9,100.00
22	Earthing for support (Coil type)	No	2	164.00	328.00
23	No-6 GI wire for earthing	Kg	35	74.00	2,590.00
24	25x6 mm GI flat for earthing	No	25	72.00	1,800.00
25	GI Nut, Bolt & washers of different sizes	No	25	74.00	1,850.00
26	25 KVA , 11/0.4 KV(AL) Transformer BIS Energy Level-II	No	1	71,785.00	71,785.00
27	1.1 KV AL 4Cx 35 sq. mm2 XLPE Round armoured Cable	Mtr	12	227.00	2,724.00
28	RCC Base Plate(500mmx500 mmx10 mm)	No	2	361.34	722.68
29	Danger Plate	No	2	180.00	360.00
30	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.602	72.00	43.34
31	GI barbed wire/Anticlimbing device	Kg	6	74.00	444.00
32	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	kg	2.407	72.00	173.30
33	Sundries	Ls	1	2,000.00	2,000.00
	Total Rs.				175,810.65
A	A. Sub total				175,810.65
B	B. Stock, Storage & Insurance @ 3% of A				5,274.32
C	Sub Total (C=A+B)				181,084.97
D	T&P @ 2% of C				3,621.70
E	Contingency @ 3% of C				5,432.55
F	Transportation @ 7.5% of C				13,581.37
G	Erection Charges @ 20% on PSC poles				1,495.56
H	Erection Charges of DTR and Joist Poles @ 5%				3,696.93
I	Erection Charges @ 10%				9,966.86
J	Total				218,879.94
34	Materials for massionary work for earth pit, Charcoal, salt etc including construction of earthing chamber and RCC slab cover.	No	7	1,600.00	11,200.00
35	Concreting of support with ratio ,1:1:5:3 (M20 Grade) using HBC metal=0.5mtr x0.5mtr x1.5mtr =0.375 Cum @6648.85	No	2	2,493.32	4,986.64
36	Couping CC 1:1:5:3 of =0.5x0.5x0.45=0.1125 Cum@6648.85=0.1125xRs6648.85=Rs 748(for all PSC Pole)	No	2	748.00	1,496.00
37	Cement Concrete for Stay Anchor plate/stud CC foundation 1:2:4 size =0.3x0.5x0.8=0.2cum@ Rs6500=1300.00	No	2	1,300.00	2,600.00

38	Survey and digitization of new DSS and its internals including attributes.	No	1	6,883.00	6,883.00
39	Survey and digitization of new MCCB/LTDB and its internals including attributes.	No	1	6,883.00	6,883.00
40	Filling sand @Rs 431.60/cmt for (8ftx12ftx1/4ft)=48 =1.359cmt	No	1	1,390.12	1,390.12
41	40 mmsize HGB Metal@981.36/cmt for (8ftx12ftx1/4ft)=24ft=0.679 cmt	No	1	666.75	666.75
42	Brick Boundary wall with Grill gate as per TPSODL (3x3mtr) specification and drawing.	Mtr	12	7,300.12	87,601.44
	Total Rs.				342,586.89
	Sub Total Rs.				1,371,196.60
	Cess @ 1%				13,711.97
	Total Estimated Cost				1,384,908.56
	Total Estimated Cost in Figures				1,384,909.00
EXCESS ☐ LESS ☐ (Please Tick)		In Figure _____ % In word _____%			
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)

Sd/-
Project Manager (Elect)