

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 :- 01 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND (ABS) AT BISSAMCUTTACK UNDER BISSAMCUTTACK BLOCK IN THE DISTRICT OF RAYAGADA.****BID REF NO.-04/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 11 KV LINE .				
A	11 KV DP WITH AB SWITCH				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34,321.52	68,643.04
2	Top channel 100x50x6 mm ,9.56 Kg/Mtr.	Kg	68.83	106.50	7,330.61
3	Double pole Belting channel 75x40xx4.8 mm	Kg	134.23	106.50	14,295.71
4	50x50x6 mm GI Bracing Angle,4.5 Kg/Mtr.	Kg	63.22	106.50	6,732.50
5	11 KV LA (12 KV,10 KA,Station Class	No	3	5,041.00	15,123.00
6	11 KV AB switch (400 Amp, 3 pole, 50 Hz)	Set	1	16,827.00	16,827.00
7	Fish Plate 50x8 mm., 2.36 kg/Mtr., each 0.280 mtr. Length.	Kg	5.28	106.50	561.79
8	Danger plate	No	2	113.60	227.20
9	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	106.50	64.11
10	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
11	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	106.50	256.35
12	11 KV Pin Insulator Polymer	No	3	284.00	852.00
13	11 KV Disc insulator B&S polymer type 45 KN, 3 Bolt	No	6	1,221.20	7,327.20
14	11 KV H/W fitting polymer type 45 KN	Pair	6	184.60	1,107.60
15	Earthing of Support (Coil Type)	No	2	235.72	471.44
16	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.52	106.50	55.81
17	PG Clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
18	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	22.15	110.76	2,453.33
19	HT Stay Set (Complete)	Set	4	1,491.00	5,964.00

20	HT Stay Insulator	No.	4	71.00	284.00
21	HT Stay Clamp(150x150 mm RS Joist)	Pair	4	177.50	710.00
22	7/10 SWG Stay Wire ,7/3.25 mm	KG	40	106.50	4,260.00
23	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,491.00	2,982.00
24	50x6 mm GI Flat	Kg	6	106.50	639.00
25	Black paint	Ltr.	1	312.40	312.40
26	Yellow colour paint for Background	Ltr	2	212.77	425.54
A	A. Sub total				162,676.83
B	B. Stock, Storage & Insurance @ 3% of A				4,880.30
C	Sub Total (C=A+B)				167,557.13
D	T&P @ 2% of C				3,351.14
E	Contingency @ 3% of C				5,026.71
F	Transportation @ 7.5% of C				12,566.78
	Erection Charges @ 5% for transformer and WPB pole cost including stock, storage & insurance @3%				3,535.12
G	Erection Charges @ 10%				9,378.33
H	Total				201,415.22
27	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm	No.	2	2,991.38	5,982.76
28	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	2	748.00	1,496.00
29	Stay concreting in Ratio 1:2:4	No	4	1,330.00	5,320.00
30	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3,784.73	7,569.46
	Total Material + Services Cost (J+K)				221,783.44
B	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	3	34,321.52	102,964.56
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr.	Kg	172.77	106.50	18,399.69
3	Fish Plate 50x8 mm., 2.36 kg/Mtr., each 0.280 mtr. Length	Kg	21.10	106.50	2,247.36
4	Danger plate	No	3	113.60	340.80
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.90	106.50	96.17
6	11 KV ,5 KN pin insulator polymer	Set	9	284.00	2,556.00
7	Non metallic ties -11 KV For covered conductor	No	9	286.00	2,574.00
8	IPC for 55 sq. mm AAAC(For covered conductor)	No	18	550.00	9,900.00
9	GI barbed wire/Anticlimbing device spike type	No	6	220.00	1,320.00
10	Tension assembly wedge type with Anchoring	Set	18	880.00	15,840.00
11	Disc insulator (B&S) 45 KN polymer	No.	18	1,221.20	21,981.60
12	Earthing of Support (Coil Type)	No	3	235.72	707.16
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.79	106.50	83.71

14	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	14.64	110.76	1,621.19
15	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	6	177.50	1,065.00
16	H.T. Stay set (Complete)	SET	6	1,491.00	8,946.00
17	H.T. Stay Insulator Type-C	EA	12	71.00	852.00
18	7/10 SWG Stay Wire 15kg /stay	KG	60	106.50	6,390.00
19	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	3	212.77	638.31
20	Black paint	Ltr	1.5	312.40	468.60
A	A. Sub total				198,992.15
B	B. Stock, Storage & Insurance @ 3% of A				5,969.76
C	Sub Total (C=A+B)				204,961.92
D	T&P @ 2% of C				4,099.24
E	Contingency @ 3% of C				6,148.86
F	Transportation @ 7.5% of C				15,372.14
	Erection Charges @ 5% for transformer and WPB pole cost including stock, storage & insurance @3%				5,302.67
G	Erection Charges @ 10%				9,890.84
H	Total				245,775.67
21	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm	No.	3	2,991.98	8,975.94
22	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	3	748.00	2,244.00
23	Stay concreting in Ratio 1:2:4	No	6	1,330.00	7,980.00
	Total Material + Services Cost (J+K)				264,975.61
C	11 KV PIN POINT WITH WPB				
1	55 sq. mm XLPE Insulated Covered AAAC	Mtr.	463.50	99.74	46,229.49
2	Sundries(Binding wire, Tree Trimming etc.)	Ls	1	1,000.00	1,000.00
A	A. Sub total				47,229.49
B	B. Stock, Storage & Insurance @ 3% of A				1,416.88
C	Sub Total (C=A+B)				48,646.37
D	T&P @ 2% of C				972.93
E	Contingency @ 3% of C				1,459.39
F	Transportation @ 7.5% of C				3,648.48
	Erection Charges @ 20% on poles				
G	Erection Charges @ 10%				4,864.64
H	Total				59,591.81
3	Survey of incremental/delta network	Km	0.15	9,633.00	1,444.95
	Total Material + Services Cost (J+K)				61,036.76
D	11 KV LINE PROTECTING SP GUARDING FOR ROAD CROSSING.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No.	2	34,321.52	68,643.04
2	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1,150.20	2,300.40
3	GI Back clamp for 11 KV V Cross Arm	No.	2	113.60	227.20
4	Top F clamp for PSC Pole ,2.9 Kg	No.	2	340.80	681.60
5	GI channel 100x50x5 mm ,9.56 Kg/Mtr.	Kg	28.68	106.50	3,054.42

6	Danger plate	No	2	113.60	227.20
7	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	106.50	64.11
8	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
9	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	106.50	256.67
10	11 KV ,5 KN pin insulator polymer	No	8	284.00	2,272.00
11	11 KV Disc insulator B&S polymer type 70 KN, 3 Bolt	No	3	1,633.00	4,899.00
12	11 KV H/W fitting polymer type 70 KN	Pair	3	497.00	1,491.00
13	PG Clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
14	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr.	Kg	125.66	106.50	13,383.22
15	No-8 GI wire (0.192 Kg/Mtr.)for main string	Kg	38.4	106.50	4,089.60
16	No-10 GI wire (0.131 Kg/mtr.)for lacing	Kg	5	106.50	532.50
17	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	8	85.20	681.60
18	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	4	1,491.00	5,964.00
19	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	84.96	106.50	9,048.24
20	GI Nut , Bolt & Washer of different sizes	Kg	5	110.76	553.80
21	H.T. Stay clamp	EA	2	177.50	355.00
22	H.T. Stay set (Complete)	SET	2	1,491.00	2,982.00
23	H.T. Stay Insulator	EA	2	71.00	142.00
24	7/10 SWG Stay Wire	KG	20	106.50	2,130.00
25	Yellow colour paint for Background for Background	Ltr	2	212.77	425.54
26	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	312.40	312.40
27	Sundries(Binding wire, Tree Trimming etc.)	Set	2	500.00	1,000.00
A	TOTAL MATERIAL COST (FOR-2020-21)				130,487.73
B	Stock, Storage & Insurance @ 3% of A				3,914.63
C	Sub Total (C=A+B)				134,402.37
D	Contingency @3% of C				4,032.07
E	T & P 2% of C				2,688.05
F	Transportation @ 7.5% of C				10,080.18
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				3,535.12
I	Erection Charges of other @ 10%				5,755.71
J	Sub Total Rs.				160,493.49
28	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)	No.	2	2,991.98	5,983.96
29	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	2	748.00	1,496.00
30	Stay concreting in Ratio 1:2:4	No	2	1,330.00	2,660.00
31	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	4	3,784.73	15,138.92
	Total Rs.				185,772.37

II	LT LINE-0.215 Km(3x50+1x35+1x16) sq. mm AB Cable				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No.	6	34,321.52	205,929.12
2	L.T Stay set (Complete)	Set	1	738.40	738.40
3	L.T Stay Insulator	No.	1	42.60	42.60
4	L.T Stay Clamp	Pair	1	156.20	156.20
5	7/12 SWG Stay Wire	Kg	8	106.50	852.00
6	Pole clamp for eye Hook for AB cable	Pair	7	284.00	1,988.00
7	Eye hook for AB Dead End cable	No.	2	85.20	170.41
8	Suspension clamp with I Hook for ABC	No.	5	482.80	2,414.00
9	Dead end clamp suitable for XLPE cable	No	2	92.30	184.59
10	1.1 KV LT 3x50+1x35+1x16 sqmm AB Cable	Mtr.	215.5	198.80	42,833.45
11	Cable 1.1 KV AL 4Cx50 sq. mm Armoured	Mtr.	2.0	291.53	583.06
12	Cap cable End for ABC 50 sq. mm	No.	8.0	8.27	66.16
13	Distribution Box LT polycarbonate 10 way	No.	1.0	920.34	920.34
14	NFC Insulated piercing connector.Type-B-main 16 to 150 sq.mm	No	4	58.82	235.28
15	NFC Insulated piercing connector.Type-B-main 25 to 150 sq.mm	No	4	113.60	454.40
16	Buckles for steel strap size	No	0.05	705.00	35.25
17	Steel strap (size 20 mmx 50 Mtr. Long)	Roll	0.05	1,584.03	79.20
18	Earthing of support Coil Type	No	6.0	235.72	1,414.32
19	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.61	106.50	171.57
20	Danger Board	No.	6	113.60	681.60
21	Back clamp for danger Plate 25x3 mm , Flat	Kg	1.85	106.50	197.13
22	GI Nuts and Bolts of assorted size	Kg	3	110.76	332.28
23	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	6	212.77	1,380.88
24	Black paint (GIS Numbering & Zebra stripping)	Ltr	3	312.40	1,090.28
25	Sundries	Set	1	500.00	500.00
A	TOTAL MATERIAL COST				263,450.52
B	Stock, Storage & Insurance @ 3% of A				7,903.52
C	Sub Total (C=A+B)				271,354.03
D	Contingency @3% of C				8,140.62
E	T & P 2% of C				5,427.08
F	Transportation @ 7.5% of C				20,351.55
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				10,605.35
I	Erection Charges of other @ 10%				5,924.69
J	Sub Total Rs.				321,803.33
26	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)	Nos.	6	2,991.98	17,951.88
27	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Nos.	6	748.00	4,488.00
28	Stay concreting in Ratio 1:2:4	No	1	1,330.00	1,330.00

29	Survey of incremental/delta network	Km	0.21	9,633.00	1,974.77
	Total Rs.				347,547.97
III	INSTALLATION OF 250 KVA S/S.				
1	250 KVA , 11/0.4 KV(CU) Transformer BIS Energy Level-II	No	1	619,789.28	619,789.28
2	WPB GI Pole160X160(11 Mtr. Long ,30.44 Kg/Mtr.)	No.	2	34,321.52	68,643.04
3	GI Channel 100x50x6 mm	Kg	53.536	106.50	5,701.58
4	GI channel 75x40x4.5 mm ,7.14 Kg/Mtr.	Kg	94.684	106.50	10,083.85
5	Braking support channel	Kg	1.57	106.50	167.21
6	Fish Plate 50x8 mm ,2.36 Kg/Mtr.,each 0.280 Mtr.	Kg	5.275	106.50	561.79
7	Danger plate	Kg	2	113.60	227.20
8	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
9	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
10	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	106.50	256.37
11	Lightning Arrester(9 KV,10 KA) DH Class	No.	3	1,260.00	3,780.00
12	11 KV AB switch (200 Amp, 3 pole, 50 Hz)	Set	1	10,437.00	10,437.00
13	11 KV HG Fuse (200 Amp, 3 pole)with PI	Set	1	8,690.00	8,690.00
14	LT Distrubution Box with MCCB, Aluminim Busbar for 250 KVA S/S.	No	1	65,265.63	65,265.63
15	11 KV ,5 KN pin insulator polymer	No	3	284.00	852.00
16	Earthing of support Coil Type	No	2	235.72	471.44
17	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	106.50	27.90
18	HT Stay Set (Complete)	Set	4	1,491.00	5,964.00
19	HT Stay Insulator	No.	4	177.50	710.00
20	HT Stay Clamp(1.95 K.g/Pair)	Pair	4	71.60	286.40
21	7/10 SWG Stay Wire	KG	40	106.50	4,260.00
22	1.1 KV Al 1Cx 300 sq. mm Un-armoured Cable	Mtr	40	290.75	11,630.00
23	Gland for 1.1 KV AL 1Cx300 sq. mm	No.	4	482.88	1,931.52
24	Lug AL crimping 300 sq. mm XLPE single Hole	No	4	73.84	295.36
25	11 KV Disc insulator polymer type 70 KN	No	3	1,633.00	4,899.00
26	11 KV H/W fitting polymer type 70 KN, 3 Bolt	No	3	497.00	1,491.00
27	Clamp PG Conductor Rabbit ACSR 55 sq. mm	No.	3	681.60	2,044.80
28	55 SQ. mm ACSR Conductor RABBIT PVC Insulated	Mtr.	20	41.50	830.00
29	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
30	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,491.00	10,437.00
31	GI Flat 25x6 mm	Kg	78.52	106.50	8,362.70
32	Yellow colour paint for Background	Ltr	2	212.77	425.54
33	Black colour paint for numbering	Ltr	1	312.40	312.40
34	Sundries	Set	1	500.00	500.00
A	TOTAL MATERIAL COST (FOR-2020-21)				852,848.69
B	Stock, Storage & Insurance @ 3% of A				25,585.46
C	Sub Total (C=A+B)				878,434.15

D	Contingency @3% of C				26,353.02
E	T & P 2% of C				17,568.68
F	Transportation @ 7.5% of C				65,882.56
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				35,454.26
I	Erection Charges of other @ 10%				15,859.67
J	Sub Total Rs.				1,039,552.35
35	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)	No.	2	2,991.98	5,983.96
36	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	2	748.00	1,496.00
37	Stay concreting in Ratio 1:2:4	No.	4	1,330.00	5,320.00
38	Plinth for Transformer(Civil construction)	No.	1	32,181.60	32,181.60
39	Construction of LT DB Plinth	No.	1	6,000.00	6,000.00
40	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3,784.73	26,493.11
41	Brick Boundary wall Fencing 3Mx3M	Mtr.	18	7,300.08	131,401.44
42	survey and Digitalisation of New DSS	No.	1	6,883.00	6,883.00
	Total Rs.				1,255,311.46
IV	11 KV EXISTING TAPPING POLE				
1	11 KV Pin Insulator Polymer	No	3	284.00	852.00
2	Tension assembly wedge type with Anchoring	Set	3	880.00	2,640.00
3	Non metallic ties -11 KV For covered conductor	No	3	110.00	330.00
4	IPC for 55 sq. mm AAAC(For covered conductor)	No	3	495.00	1,485.00
5	GI Nut , Bolt & Washer of different sizes	Kg	1	110.76	110.76
6	Saundries	Set	1	500.00	500.00
A	A. Sub total				5,917.76
B	B. Stock, Storage & Insurance @ 3% of A				177.53
C	Sub Total (C=A+B)				6,095.29
D	T&P @ 2% of C				121.91
E	Contingency @ 3% of C				182.86
F	Transportation @ 7.5% of C				457.15
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				609.53
H	Total				7,466.73
V	11 KV STRUT POLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	34,321.52	34,321.52
2	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	2	110.76	221.52

3	HT Stay Clamp	Pair	1	177.50	177.50
4	Saundries	Set	1	500.00	500.00
A	A. Sub total				35,220.54
B	B. Stock, Storage & Insurance @ 3% of A				1,056.62
C	Sub Total (C=A+B)				36,277.16
D	T&P @ 2% of C				725.54
E	Contingency @ 3% of C				1,088.31
F	Transportation @ 7.5% of C				2,720.79
G	Erection Charges @ 5% on poles				1,767.55
H	Erection Charges @ 10%				92.60
	Total				42,671.95
5	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm	No.	1	2,991.38	2,991.38
6	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	1	748.00	748.00
	Total Material + Services Cost (J+K)				46,411.33
	Sub Total Rs.				2,390,305.68
	Cess @ 1%				23,903.06
	Total Estimated Cost				2,414,208.73
	Total Estimated Cost in Figures				2,414,209.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (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)**