

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 05 AS PER IFB

NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF LINE AT CONSTRUCTION SITE OF TRUCK TERMINAL, GODIPADA IN THE DISTRICT OF KHURDA.

BID REF NO :- 68/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM					
	11 KV LINE				
A	11 KV DP WITHOUT AB SWITCH				
1	WPB(GI) 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No	4	40363.44	161453.76
2	Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 3 mtr., 2 no's channel required =(2x9.56x3)	KG	87.952	102	8971.10
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	7.9296	102	808.82
4	Double Pole Bracing Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3 Mtr., 2 no's channel required =(7.14x3x2)	KG	94.8192	102	9671.56
5	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 3.512 mtr., 2 nos angle required = (4.5x3.512x2)	KG	96.156	102	9807.91
6	Danger Plate, 2 no's.	No.	4	108.80	435.20
7	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	1.2036	102.00	122.77
8	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	Pair	4	170.00	680.00
9	H.T. Stay set (Complete)	Set	4	1428.00	5712.00
10	H.T. Stay Insulator Type-C	No.	4	68.00	272.00
11	7/10 SWG Stay Wire 15kg /stay	K.g.	60	102.00	6120.00
12	Gi Pipe Earthing 40mm. 3 Mtr. Long	No.	2	1428.00	2856.00
13	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	KG	23.6	102.00	2407.20
14	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	Kg	12	108.80	1305.60
15	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	4.8144	102.00	491.07
16	11 KV pin insulator polymer	No.	6	272	1632.00
17	H W fitting(B&S) 70KN, 3Bolt	No.	12	476	5712.00
18	Disc insulator (B&S) 70 KN polymer	No.	12	1564	18768.00
19	Wedge connector for 80 sq. mm Conductor	No.	12	135.60	1627.20
20	Polycarbonate Bird Guard	No.	18	20.96	377.28
21	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	K.g.	24.522	106.08	2601.29
22	Black colour paint for numbering	Ltr	2	299.20	598.40
23	Yellow Colour Paint for Background	Ltr	4	167.46	669.84
A				A. Sub total	2,43,101.00
B				B. Stock, Storage & Insurance @ 3% of A	7,293.03
C				Sub Total (C=A+B)	2,50,394.03

D	T&P @ 2% of C				4,685.70
E	Contingency @ 3% of C				7,511.82
F	Transportation @ 7.5% of C				18,779.55
G	Erection Charges @ 5% on poles				8,314.87
H	Erection Charges @ 10%				6,798.75
I	Total				2,96,484.72
24	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excavation, supply of 0.5Cu.m cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	4	2301.53	9206.12
25	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cu.m tr	1.8	6648.85	11967.93
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu.m tr	0.45	6648.85	2991.98
27	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	3784.73	7569.46
Total Material + Services Cost					3,28,220.22
B	11 KV DP WITH AB SWITCH				
1	WPB(GI) 160x152 (13 Mtr. Long, 30.44KG/Mtr.)	No	2	40363.44	80726.88
2	Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 3 mtr., 2 no's channel required =(2x9.56x3)	KG	57.36	102	5850.72
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	3.965	102	404.43
4	AB switch Mounting Channel 75X40X4.8mm, 7.14KG/Mtr, each channel length 3 Mtr., 2 no's channel required =(7.14x3x2)	KG	42.84	102	4369.68
5	AB Switch Side Support Channel 100X50X6mm,9.56 KG/Mtr., each channel length 0.35 mtr., 4 no's channel required =(9.56x4x0.35)	KG	6.692	102	682.58
6	Channel Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each channel length 0.8 Mtr., 1 no's channel required =(7.14x0.8x1)	KG	5.712	102	582.62
7	Double Pole Bracing Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3 Mtr., 2 no's channel required =(7.14x3x2)	KG	85.68	102	8739.36
8	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 3.512 mtr., 2 nos angle required = (4.5x3.512x2)	KG	63.216	102	6448.03
9	Danger Plate, 2 no's.	No.	2	108.80	217.60
10	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	0.6018	102.00	61.38
11	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	Pair	2	170.00	340.00
12	H.T. Stay set (Complete)	Set	2	1428.00	2856.00
13	H.T. Stay Insulator Type-C	No.	2	68.00	136.00
14	7/10 SWG Stay Wire 15kg /stay	K.g.	30	102.00	3060.00
15	Gi Pipe Earthing 40mm. 3 Mtr. Long	No.	2	1428.00	2856.00

16	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	KG	48.38	102.00	4934.76
17	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	Kg	6	108.80	652.80
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	2.407	102.00	245.51
19	Lightning Arrester(12KV,10KA) (Station Class,class-2)	EA	3	4828.00	14484.00
20	AB Switch (11KV,400A.3pole,50Hz)	Set	1	16116.00	16116.00
21	11 KV pin insulator polymer	No.	3	272	816.00
22	H W fitting(B&S) 70KN, 3Bolt	No.	6	476	2856.00
23	Disc insulator (B&S) 70 KN polymer	No.	6	1564	9384.00
24	Wedge connector for 80 sq. mm Conductor	No.	6	135.60	813.60
25	Polycarbonate Bird Guard	No.	9	20.96	188.64
26	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	K.g.	13.718	106.08	1455.21
27	Black colour paint for numbering	Ltr	1	299.20	299.20
28	Yellow Colour Paint for Background	Ltr	2	167.46	334.92
A	A. Sub total				1,69,911.93
B	B. Stock, Storage & Insurance @ 3% of A				5,097.36
C	Sub Total (C=A+B)				1,75,009.29
D	T&P @ 2% of C				3,309.68
E	Contingency @ 3% of C				5,250.28
F	Transportation @ 7.5% of C				13,125.70
G	Erection Charges @ 5% on poles				4,157.43
H	Erection Charges @ 10%				8,233.52
I	Total				2,09,085.89
29	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	EA	2	2301.53	4603.06
30	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cu.m tr	0.9	6648.85	5983.97
31	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu.m tr	0.225	6648.85	1495.99
32	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	3784.73	7569.46
Total Material + Services Cost					2,28,738.37
C	11 KV PIN POINTS WITH WPB				
1	WPB(GI) 160x152 (13 Mtr. Long, 30.44KG/Mtr.)	No	7	40363.44	282544.08
2	11 KV V cross arm	No	7	1101.60	7711.20
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	7	204.00	1428.00
4	Danger plate	No	7	108.80	761.60
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	2.106	102.00	214.81
6	GI barbed wire/Anticlimbing device	No	21	108.80	2284.80
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	8.43	102.00	859.86

8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	21	272.00	5712.00
9	Earthing of Support (Coil Type)	No	7	225.76	1580.32
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.83	102.00	186.66
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	10.15	106.08	1076.71
12	80 sq. mm AAAC Conductor	Km	1.3905	58480.00	81316.44
13	Yellow colour paint for Background	Ltr	14	167.46	2344.44
14	Black colour paint for numbering	Ltr	7	299.20	2094.40
15	Polycarbonate Bird Guard	No.	21	20.96	440.16
A	A. Sub total				3,90,555.48
B	B. Stock, Storage & Insurance @ 3% of A				11,716.66
C	Sub Total (C=A+B)				4,02,272.15
D	T&P @ 2% of C				8,045.44
E	Contingency @ 3% of C				12,068.16
F	Transportation @ 7.5% of C				30,170.41
	Erection Charges @ 5% on WPB poles				14,551.02
G	Erection Charges @ 10%				11,125.17
H	Total				4,78,232.35
16	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	3.15	6648.85	20943.88
17	Concreting Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.7875	6648.85	5235.97
	Total Material + Services Cost (J+K)				5,04,412.20
	Dismantling charges				
1	Dismantling of Joist Pole	No	3	1380.92	4,142.76
2	Dismantling of Top Bracket 75x40x6 mm MS channel(1.3 Kg each)	No.	8	8.10	64.80
3	11 KV V cross arm	No.	3	41.40	124.20
4	Back clamp for V cross arm	No.	3	8.10	24.30
5	11 KV Pin insulator	No.	9	8.10	72.90
6	Dismantling of 11 KV line conductor	Mtr.	180	6.30	1,134.00
					5,562.96
	Total Rs.				10,66,933.75
	Cess @ 1%				10,669.34
	Total Estimated Cost				10,77,603.08
	Total Estimated Cost in Figures				10,77,603.00
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)

Sd/-
Project Manager(Elect)