

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO AMA BUS STAND AT KALIMELA IN THE DISTRICT OF MALKANGIRI.

BID REF NO.- 22/PM/ELECT/OPHWC/2024-25

| 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. |
| PART-I | 3 phase 3W 11 KV line with 100 sq. mm AAA conductor-0.45 Km | | | | |
| 1 | 13 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr) | No | 10 | 40427.20 | 404272.00 |
| 2 | Straight cross arm Top GI channel 100x50x6 mm,9.56 Kg/Mtr., each channel Length 1.2 Mtr. | Kg | 176.64 | 102.00 | 18017.28 |
| 3 | Straight cross arm Top GI channel 100x50x6 mm,9.56 Kg/Mtr., each channel Length 0.306 Mtr. | Kg | 45.04 | 102.00 | 4594.08 |
| 4 | Fish Plate 50x8 mm ,0.97 Kg/Mtr., each,0.280 Mtr. Length | Kg | 5.43 | 102.00 | 553.86 |
| 5 | 11 KV 'V' cross arm(10.2 Kg each) | No. | 7 | 1101.60 | 7711.20 |
| 6 | 11 KV F clamp 2.9 Kg each | No | 7 | 326.40 | 2284.80 |
| 7 | GI Back clamp for 11 KV V Cross Arm | No. | 7 | 108.80 | 761.60 |
| 8 | Danger Board | No | 10 | 108.80 | 1088.00 |
| 9 | Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp | Kg | 3.01 | 102.00 | 307.02 |
| 10 | Anticlimbing Device(GI barbed wire 3 Kg per support) | Kg | 30 | 108.80 | 3264.00 |
| 11 | Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos. | Kg | 12.04 | 102.00 | 1228.08 |
| 12 | 11 Kv pin insulator Polymer | No | 36 | 272.00 | 9792.00 |
| 13 | HT stay set complete | No. | 11 | 1428.00 | 15708.00 |
| 14 | 11KV stay insulator Polymer | No. | 11 | 68.00 | 748.00 |
| 15 | 7/10 SWG stay wire | Kg | 110 | 102.00 | 11220.00 |
| 16 | HT stay clamp (1.9 Kg/Pair) | pair | 11 | 170.00 | 1870.00 |
| 17 | Earthing support coil type | No | 10 | 225.76 | 2257.60 |
| 18 | GI Nuts and Bolts of assorted size | Kg | 22 | 106.08 | 2333.76 |

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|----------------|--|------|--------|----------|------------------|
| 19 | 100 sq. mm AAAC | Km | 1.3905 | 74800.00 | 104009.40 |
| 20 | Disc insulator 45 KN (B&S) Polymer | No. | 33 | 1169.60 | 38596.80 |
| 21 | 11 KV HW fitting B&S)2 Bolted | No | 33 | 176.80 | 5834.40 |
| 22 | PG clamp for 100 sq. mm AAAC | No | 33 | 788.80 | 26030.40 |
| 23 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing | Kg | 2.62 | 102.00 | 267.24 |
| | Total Rs. | | | | 609729.56 |
| PART-II | Installation of 250 KVA 11/0.4KV sub station - 1 No. | | | | |
| 1 | 11 Mtr Long (160x160)mm WPB Pole | No | 2 | 34321.52 | 68643.04 |
| 2 | Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr) | K.g | 51.52 | 102.00 | 5255.04 |
| 3 | AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr) | K.g | 76.16 | 102.00 | 7768.32 |
| 4 | Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr) | Kg. | 38.08 | 102.00 | 3884.16 |
| 5 | AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr) | Kg. | 31.5 | 102.00 | 3213.00 |
| 6 | GI Bracing Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.) | Kg. | 13.6 | 102.00 | 1387.20 |
| 7 | GI Bracing Angle 50x50x6 mm. 3.5 mtr. Long 2 Nos. (4.5 kg./mtr.) | K.g | 9 | 102.00 | 918.00 |
| 8 | Cantilever GI channel for supporting HG Fuse, (75x40x6)mm,each 1 mtr Long,2 nos(6.8Kg/mtr) | Kg | 18 | 102.00 | 1836.00 |
| 9 | Cantilever GI channel for supporting HG Fuse, (50x50x6)mm,each 1 mtr Long,2 nos(4.5Kg/mtr) | Kg | 22.5 | 102.00 | 2295.00 |
| 10 | Angle for cantilever arrangement for AB switch and HG Fuse (50x50x6) 2 mtr Long,2 nos(4.5Kg/Mtr) | No. | 3 | 1169.60 | 3508.80 |
| 11 | Angle for Mounting LT distribution Box (50x50x6) mm Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr) | No | 3 | 353.60 | 1060.80 |
| 12 | 11KV AB switch(3 pole,50Hz) | Set | 1 | 16116.00 | 16116.00 |
| 13 | 11KV HG fuse (3 pole)with PI | Set | 1 | 15680.00 | 15680.00 |
| 14 | 11 KV LA | No. | 3 | 4828.00 | 14484.00 |
| 15 | 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 |
| 16 | HT stay set complete | No. | 4 | 1428.00 | 5712.00 |
| 17 | 11KV stay insulator | No. | 4 | 68.00 | 272.00 |
| 18 | 7/10 SWG stay wire, Grade-2 | Kg | 40 | 102.00 | 4080.00 |
| 19 | HT stay clamp (1.9 Kg/Pair) | pair | 4 | 170.00 | 680.00 |
| 20 | Earthing device coil type | No | 2 | 225.76 | 451.52 |
| 21 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing | Kg | 0.52 | 102.00 | 53.04 |

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|------------|---|------|--------|-----------|---------------------|
| 22 | Danger Board | No. | 2 | 108.80 | 217.60 |
| 23 | 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 |
| 24 | Anticlimbing Device(GI barbed wire 3 Kg per support) | Kg | 6 | 108.80 | 652.80 |
| 25 | Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp | Kg | 2.407 | 102.00 | 245.51 |
| 26 | 25x6 mm GI flat(Neutral) | Kg | 45 | 102.00 | 4590.00 |
| 27 | 25x4 mm GI flat | Kg | 20 | 102.00 | 2040.00 |
| 28 | 250 KVA 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II | No | 1 | 365092.00 | 365092.00 |
| 29 | 1Cx300 sq. mm LT XLPE Cable(10 Mtr.x4 nos.) | Mtr. | 40 | 519.52 | 20780.80 |
| 30 | 40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long | No | 7 | 1428.00 | 9996.00 |
| 31 | GI Nuts and Bolts of assorted size | Kg | 36 | 106.08 | 3818.88 |
| 32 | Sundries (Al. binding tape, insulation tape, paint etc.) | LS | 1 | 2000.00 | 2000.00 |
| | | | | | 632072.90 |
| III | 11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-6 SPAN | | | | |
| 1 | Guarding Channel 75X40X6 mm, 1.5 Mtr., 6.8 Kg/Mtr., 18 Nos. | Kg | 183.6 | 102.00 | 18727.2 |
| 2 | Eye Bolt along with 2 Nuts, 1 Flat and spring washer each) | No | 24 | 421.00 | 10104 |
| 3 | 25x6 mm GI flat(Neutral) | Kg | 50 | 102.00 | 5100.00 |
| 4 | 40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long | No | 5 | 1428.00 | 7140.00 |
| 5 | No-8 GI wire | Kg | 165 | 102.00 | 16830 |
| 6 | No-10 GI wire | Kg | 54 | 102.00 | 5508 |
| 7 | Nut, Bolt & washer | Kg | 30 | 102.00 | 3060 |
| 8 | HT stay set complete | No. | 2 | 1428.00 | 2856.00 |
| 9 | 11KV stay insulator | No. | 2 | 68.00 | 136.00 |
| 10 | 7/10 SWG stay wire, Grade-2 | Kg | 20 | 102.00 | 2040.00 |
| 11 | HT stay clamp (1.9 Kg/Pair) | pair | 2 | 170.00 | 340.00 |
| | | | | | 71841.20 |
| | A.Sub Total Rs. | | | | 13,13,643.66 |
| B | Stock, storage and insurance (@3% on A) | | | | 39409.31 |
| C | TOTAL RS. | | | | 1353052.97 |
| D | T&P @ 2% of C | | | | 27061.06 |
| E | Contingency @ 3% of C | | | | 40591.59 |
| F | Transportation @ 7.5% of C | | | | 101478.97 |
| G | Erection charges @ 10% on others, 5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles | | | | 93813.53 |

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| H | TOTAL RS. | | | | 1615998.12 |
| 12 | Cement concrete for Stay Anchor Plate 1:2:4,0.2 | Nos. | 17 | 1235.58 | 21004.86 |
| 13 | Couping of Poles in ratio 1:1:5:3,0.1125 cum | Nos. | 12 | 720.00 | 8640.00 |
| 14 | Concreting of 13 Mtr. Pole in ratio 1:1:5:3, 0.375 cum | Nos. | 10 | 3520.00 | 35200.00 |
| 15 | Concreting of 11 Mtr. Pole in ratio 1:1:5:3, 0.375 cum | Nos. | 2 | 2880.00 | 5760.00 |
| 16 | Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc. | No | 12 | 1600.00 | 19200.00 |
| 17 | Plinth :- 1) Earth work for digging of foundation plinth = 2mtr x 2mtr x 0.9mtr = 3.6 cum 2) Filling of foundation and plinth with sand, water & rammed= 0.15mtr x 2mtr x 2mtr = 0.6 Cum 3) CC (1:4:8) with 4cm size HBG Metal = 0.1 mtr x 2mtr x 2mtr=0.4 Cum 4) RRHG stone machinery in coment mortor (1:6) in foundation plinth per 1 Cum (i) 0.65 mtr x 2mr x 2mtr = 2.5 Cum (ii) 1.4mtr x 1.8mtr x 1.8mtr = 4.54 Cum Total = 7.14 Cum 5) CC (1:2:4) with 12mm size HBG chips= 0.1mtr x 1.8mtr x 1.8mtr = 0.32 Cum 6) 8mm Rod= 1.8mtr x 13 x 2 = 46.8 mtr @0.39kg/mtr=6.8 x 0.39kg=,18.486 or 18.5 Kg 7) 18mm thick cement plaster (1:6) over brick work & stone work = 4x1.8x1.8+1.8x1.8= 12.96+3.24=16.2 sqft. | No | 1 | 32181.60 | 32181.6 |
| 18 | Brick Boundary wall for fencing of Plinth mounted S/S in the size 5x4 Mtr @7300.12/RM considering height above ground Level -1.65 Mtr. And be;low ground Depth -1.2 Mtr. Including the cost of Fabrication ,installation of MS gate (1.5x1.65(as per mail received from NEP department dtd.-03.04.2024) for 250 KVA S/S. | Ls | 18 | 7300.12 | 131402.16 |
| 19 | Dismantling charges of existing HT Lines | No | 8 | 500.00 | 4,000.00 |
| 20 | Dismantling charges of existing HT Poles | No | 8 | 972.00 | 7,776.00 |
| | | | | Total Rs. | 2,65,164.62 |
| | Total Rs. | | | | 18,81,162.74 |
| | Cess @ 1% | | | | 18,811.63 |
| | Total Estimated Cost | | | | 18,99,974.36 |
| | Total Estimated Cost in Figures | | | | 18,99,974.00 |
| EXCESS | <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) | | | | _____ % |

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|-------------------------|--|
| 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/-
DM I/C (Elect)**

**Sd/-
Project Manager(Elect.)**