

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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO LABORATORY-CUM-ADMINISTRATIVE BUILDING AT RRTTS,G.UDAYGIRI IN THE DIST. OF KANDHAMAL.

BID REF NO.- 21/PM/ELECT/OPHWC/2024-25

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| 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 55 sq. mm AAA conductor-0.13 Km | | | | |
| 1 | 11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr) | No | 2 | 34321.52 | 68643.04 |
| 2 | 9 Mtr. Long 300 KG PSC Pole | No | 1 | 4080.00 | 4080.00 |
| 3 | RCC Base plate for support | No | 1 | 408.00 | 408.00 |
| 4 | 100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos,0.2 Mtr. Long 4 Nos. including tapping point. | Kg | 77.28 | 102.00 | 7882.56 |
| 5 | 11 KV 'V' cross arm(10.2 Kg each) | No. | 2 | 1101.60 | 2203.20 |
| 6 | 11 KV F clamp 2.9 Kg each | No | 4 | 326.40 | 1305.60 |
| 7 | GI Back clamp for 11 KV V Cross Arm | No. | 2 | 108.80 | 217.60 |
| 8 | Disc insulator 45 KN (B&S) Polymer | No. | 9 | 1169.60 | 10526.40 |
| 9 | 11 KV HW fitting B&S)2 Bolted | No | 9 | 353.60 | 3182.40 |
| 10 | 55 sq. mm AAAC | Km | 0.1957 | 40800.00 | 7984.56 |
| 11 | PG clamp for 55 sq. mm AAAC | No | 9 | 652.80 | 5875.20 |
| 12 | 11 Kv pin insulator Polymer | No | 11 | 272.00 | 2992.00 |
| 13 | HT stay set complete | No. | 3 | 1428.00 | 4284.00 |
| 14 | 11KV stay insulator Polymer | No. | 3 | 68.00 | 204.00 |
| 15 | 7/10 SWG stay wire | Kg | 30 | 102.00 | 3060.00 |
| 16 | HT stay clamp (1.9 Kg/Pair) | pair | 3 | 170.00 | 510.00 |
| 17 | Earthing support coil type | No | 3 | 225.76 | 677.28 |
| 18 | Danger Board | No | 3 | 108.80 | 326.40 |
| 19 | Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp | Kg | 0.9027 | 102.00 | 92.08 |
| 20 | Anticlimbing Device(GI barbed wire 3 Kg per support) | Kg | 9 | 108.80 | 979.20 |
| 21 | Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos. | Kg | 3.611 | 102.00 | 368.32 |

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| 22 | 75x40x6 mm GI channel for straight cross arm,1.8 Mtr. Each 4 Nos,6.8 Kg/Mtr. | Kg | 48.96 | 102.00 | 4993.92 |
| 23 | No.6 GI wire(0.192 Kg/Mtr.) for main string | Kg | 8 | 102.00 | 783.36 |
| 24 | No.8 GI wire(0.131 Kg/Mtr.) for Lashing | Kg | 5 | 102.00 | 534.48 |
| 25 | Eye Bolt 236 mm,16 mm dia ,1.577 Kg/Mtr. | No | 4 | 81.60 | 326.40 |
| 26 | GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long | No | 2 | 1428.00 | 2856.00 |
| 27 | 50x6 mm GI Flat for earthing ,2.36 Kg/Mtr.,2.5 Mtr., Long ,for mesh formation and 2.5 Mtr. For raising=5x2.36) | Kg | 23.6 | 102.00 | 2407.20 |
| 28 | GI Nuts and Bolts of assorted size | Kg | 11 | 106.08 | 1166.88 |
| 29 | Sundries | LS | 1 | 500.00 | 500.00 |
| | | | | | 139370.08 |
| PART-II | Installation of 25 KVA 11/0.4KV sub station - 1 No. | | | | |
| 1 | 11 Mtr Long (160x160)mm WPB Pole | No | 2 | 34321.52 | 68643.04 |
| 2 | Earthing Device coil type GI | No | 2 | 225.76 | 451.52 |
| 3 | GI Channel | Kg | 0.524 | 102.00 | 53.45 |
| 4 | 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 |
| 5 | Transformer mounting GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr) | K.g | 51.52 | 102.00 | 5255.04 |
| 6 | 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 |
| 7 | Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.) | Kg. | 13.6 | 102.00 | 1387.20 |
| 8 | Cantilever angle for supporting AB switch arm ,75x40x6mm 1 mtr. Long 2 Nos. (6.8 kg./mtr.) | Kg. | 9 | 102.00 | 918.00 |
| 9 | Transformer Belting Angle(GI) 50 X 50 X 6MM GI(4.5Kg./Mtr, 2.8 Mtr. Long 2 No's) (with side angle total 7 Mtr. | Kg. | 31.5 | 102.00 | 3213.00 |
| 10 | GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. . | K.g | 9 | 102.00 | 918.00 |
| 11 | AB witch side support channel 100x50x6 mm GI channel,9.2 Kg/Mtr. (0.35Mtr Long)2 Nos. channel required | Kg | 6.44 | 102.00 | 656.88 |
| 12 | Channel support for down pipe 75x40x6 mm GI channel(6.8kg/mtr,1 Nos.)each channel length 0.8 Mtr. | Kg | 5.44 | 102.00 | 554.88 |
| 13 | Disc insulator 45 KN (B&S) Polymer | No. | 3 | 1169.60 | 3508.80 |
| 14 | 11 KV HW fitting (T&C)45 KN | No | 3 | 353.60 | 1060.80 |
| 15 | 11KV AB switch(3 pole,200 Amp,50Hz) | Set | 1 | 9996.00 | 9996.00 |
| 16 | 11KV HG fuse (3 pole,200 Amp)with PI | Set | 1 | 8323.20 | 8323.20 |
| 17 | 9KV 10KA LA, Station class | No. | 3 | 1332.80 | 3998.40 |

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| 18 | HT stay set complete | No. | 4 | 1428.00 | 5712.00 |
| 19 | 11KV stay insulator | No. | 4 | 68.00 | 272.00 |
| 20 | 7/10 SWG stay wire, Grade-2 | Kg | 40 | 102.00 | 4080.00 |
| 21 | HT stay clamp (1.9 Kg/Pair) | pair | 4 | 170.00 | 680.00 |
| 22 | 40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long | No | 7 | 1428.00 | 9996.00 |
| 23 | 25x6 mm GI flat(Neutral) | Kg | 10 | 102.00 | 1020.00 |
| 24 | 25x4 mm GI flat | Kg | 60 | 102.00 | 6120.00 |
| 25 | 55 sq. mm AAAC for jumpering | Km | 0.05 | 40800.00 | 2040.00 |
| 26 | PG clamp for 55 sq. mm AAAC | No | 3 | 652.80 | 1958.40 |
| 27 | GI Nuts and Bolts of assorted size | Kg | 25 | 106.08 | 2652.00 |
| 28 | 25 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II | No | 1 | 73168.00 | 73168.00 |
| 29 | LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 25 KVA S/S . | No | 1 | 20304.80 | 20304.80 |
| 30 | 1 core 70 sq. mm LT XLPE cable(un armoured) | Mtr. | 40 | 100.64 | 4025.60 |
| 31 | Danger Board | No. | 2 | 108.80 | 217.60 |
| 32 | 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 |
| 33 | Anticlimbing Device(GI barbed wire 3 Kg per support) | Kg | 6 | 108.80 | 652.80 |
| 34 | 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 |
| 35 | Sundries (Al. binding tape, insulation tape, paint etc.) | LS | 1 | 1000.00 | 1000.00 |
| | | | | | 256167.67 |
| PART-III | Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.150 Km | | | | |
| 1 | 9 Mtr Long 300 KG PSC Pole | No | 6 | 4080.00 | 24480.00 |
| 2 | RCC Base Plate | No | 6 | 408.00 | 2448.00 |
| 3 | 3x50+1x35+1x16 sqmm XLPE AB Cable | Mtr. | 155.00 | 190.40 | 29512.00 |
| 4 | L.T Stay set (Complete) | Set | 3 | 707.20 | 2121.60 |
| 5 | L.T Stay Insulator | No. | 3 | 40.80 | 122.40 |
| 6 | L.T Stay Clamp(1.4 K.g/Pair) | Pair | 3 | 149.60 | 448.80 |
| 7 | 7/12 SWG Stay Wire | Kg | 21 | 102.00 | 2142.00 |
| 8 | Dead end clamp suitable for XLPE cable | No | 4 | 170.00 | 680.00 |
| 9 | Suspension clamp with I Hook | No. | 3 | 462.40 | 1387.20 |
| 10 | Danger Board | No. | 6 | 108.80 | 652.80 |
| 11 | Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No. | Kg | 1.8054 | 102.00 | 184.15 |
| 12 | Anticlimbing Device(GI barbed wire 3 Kg per support) | Kg | 18 | 108.80 | 1958.40 |
| 13 | Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos. | Kg | 7.2216 | 102.00 | 736.60 |

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| 14 | Earthing device coil type | No | 6 | 225.76 | 1354.56 |
| 15 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing | Kg | 1.572 | 102.00 | 160.34 |
| 16 | GI Nuts, Bolt and washer | Kg | 3 | 106.08 | 318.24 |
| 17 | Sundries | LS | 1 | 500.00 | 500.00 |
| | | | | | 69207.10 |
| PART-IV | SERVICE CONNECTION | | | | |
| 1 | 3.5 Core 35 sq. mm LT PVC cable(Un armoured) | Mtr. | 30 | 206.72 | 6201.60 |
| 2 | No. 8 SWG GI wire | Kg | 3 | 102.00 | 306.00 |
| 3 | 200 Amp Kit-Kat Fuse | No | 3 | 677.28 | 2031.84 |
| 4 | GI service connection Bracket | No | 1 | 367.20 | 367.20 |
| 5 | Sundries | Ls | 1 | 100.00 | 100.00 |
| | | | | | 9006.64 |
| | A.Sub Total Rs. | | | | 4,73,751.48 |
| B | Stock,storage and insurance (@3% on A) | | | | 14212.54 |
| C | TOTAL RS. | | | | 487964.03 |
| D | T&P @ 2% of C | | | | 9759.28 |
| E | Contingency @ 3% of C | | | | 14638.92 |
| F | Transportation @ 7.5% of C | | | | 36597.30 |
| G | Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles | | | | 40899.70 |
| H | TOTAL RS. | | | | 589859.23 |
| 6 | Stay concreting in ratio(1:2:4(0.5x0.5x0.8)Mtr. | Nos. | 10 | 1235.58 | 12355.80 |
| 7 | Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum | Nos. | 4 | 2880.00 | 11520.00 |
| 8 | Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum | Nos. | 7 | 2400.00 | 16800.00 |
| 9 | Couping of Poles in ratio 1:1:5:3(500x500x475),0.11875 cum | Nos. | 4 | 720.00 | 2880.00 |
| 10 | Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc. | No | 9 | 1600.00 | 14400.00 |
| 11 | Brick wall Boundary for fencing of DPMs in the size of 3x3 Mtr.@7300.12/RM | No | 12.00 | 7,300.12 | 87601.44 |
| | | | | Total Rs. | 1,45,557.24 |
| | Total Rs. | | | | 7,35,416.47 |
| | Cess @ 1% | | | | 7,354.16 |
| | Total Estimated Cost | | | | 7,42,770.63 |
| | Total Estimated Cost in Figures | | | | 7,42,771.00 |
| 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((Elect)I/C**

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