

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E+6-E TYPE QUARTERS AT RESERVE OFFICE KEONJHAR (AUROVIHAR)IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 97/PM/ELECT/OPHWC/2023-24

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

| Sl. No. | Description of work | Unit | Qty. | Estimated Cost in Rs. | |
|------------------|--|------|-------|------------------------|---------------|
| | | | | RATE IN RS. 2018-19 | AMOUNT IN RS. |
| SCOPE [A] | CONSTRUCTION OF 11 KV LINE-0.02 KM | | | | |
| 1 | 11 mtr Long RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE) | No. | 1 | 21879.00 | 21,879.00 |
| 2 | 11 KV T&C Hardware (45KN) | set | 6 | 130.00 | 780.00 |
| 3 | Disc insulator(T&C)45 KN Polymer | No | 6 | 860.00 | 5,160.00 |
| 4 | 11 KV Pin Insulator polymer | No. | 3 | 200.00 | 600.00 |
| 5 | 100x50x6 mm MS Channel(9.2 Kg/Mtr.) | Kg | 28 | 65.00 | 1,820.00 |
| 6 | 11 KV 100 sq. mm insulated conductor | Km | 0.066 | 90000.00 | 5,940.00 |
| 7 | All. Binding wire | Kg | 4 | 420.00 | 1,680.00 |
| 8 | Earthing coil type | No | 1 | 140000.00 | 166.00 |
| 9 | Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support) | Kg | 2 | | 160.00 |
| 10 | HT stay set complete | Pair | 1 | 1050.00 | 1,050.00 |
| 11 | HT Stay Insulator | No. | 1 | 50.00 | 50.00 |
| 12 | HT stay clamp | Pair | 1 | 125.00 | 125.00 |
| 13 | 7/10 SWG Stay wire | Kg | 10 | 75.00 | 750.00 |
| 14 | GI nut,bolt & washer | Kg | 10 | 78.00 | 780.00 |
| 15 | Red oxide Paint | Ltr | 3 | 150.00 | 450.00 |
| 16 | All. Paint | Ltr | 2 | 200.00 | 400.00 |
| 17 | Black Paint | Ltr | 1 | 220.00 | 220.00 |

| | | | | | | |
|------------------|--|-----|-----|-----------------|--|------------------|
| 18 | Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc. | Ls | | | | |
| | | | 1 | 3000.00 | | 3,000.00 |
| 19 | TOTAL MATERIAL COST | | | | | 45,010.00 |
| 20 | Escalation @6%for 2019-20 | | | | | 47,710.60 |
| 21 | Escalation @6%for 2020-21 | | | | | 50,573.24 |
| 22 | Escalation @6%for 2021-22 | | | | | 53,607.63 |
| 23 | Escalation @6%for 2022-23 | | | | | 56,824.09 |
| A | Escalation @6%for 2023-24 | | | | | 60,233.53 |
| B | Stock, Storage & Insurance @ 3% of A | | | | | 1,807.01 |
| C | Sub Total (C=A+B) | | | | | 62,040.54 |
| D | Contingency @3% of C | | | | | 1,861.22 |
| E | T & P 2% of C | | | | | 1,240.81 |
| F | Transportation @ 7.5% of C | | | | | 4,653.04 |
| G | Erection Charges for PSC Pole @ 20% | | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | | 1,507.87 |
| I | Erection Charges of other @ 10% | | | | | 3,188.31 |
| J | Sub Total | | | | | 74,491.79 |
| 28 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6) | No | 1 | 1138.70 | | 1,138.70 |
| 29 | Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6) | No | 1 | 2613.70 | | 2,613.70 |
| | Total Estimated Cost | | | | | 78,244.19 |
| SCOPE [B] | INSTALLATION OF 100 KVA (BIS energy Level-II)S/S -1 No. | | | | | |
| 1 | 11 mtr Long RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE) | No. | 2 | 21879.00 | | 43,758.00 |
| 2 | Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos. | Kg. | 104 | 65.00 | | 6,760.00 |
| 3 | A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.) | Kg. | 76 | 65.00 | | 4,940.00 |
| 4 | Transformer belting Angle 50x50x6mm- 2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr) | Kg | 32 | 65.00 | | 2,080.00 |

| | | | | | |
|----------|---|------|------|-----------|-------------------|
| 5 | Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr) | Kg | 23 | 65.00 | 1,495.00 |
| 6 | 11 KV 3 pole 200 A AB switch | Set | 1 | 7350.00 | 7,350.00 |
| 7 | 11 KV 3 pole 200 A HG Fuse with PI | Set | 1 | 6120.00 | 6,120.00 |
| 8 | Lightning arrestor ,12 KV- 10KA | No | 3 | 3550.00 | 10,650.00 |
| 9 | HT stay set complete | Pair | 2 | 1050.00 | 2,100.00 |
| 10 | HT Stay Insulator | No. | 2 | 50.00 | 100.00 |
| 11 | HT stay clamp | Pair | 2 | 125.00 | 250.00 |
| 12 | 7/10 SWG Stay wire | Kg | 20 | 75.00 | 1,500.00 |
| 13 | 40 mm Nominal bore GI Pipe (medium gauge)earthing device(3 Mtr. Long) | No | 5 | 1050.00 | 5,250.00 |
| 14 | NO. 6 GI Wire | Kg | 20 | 75.00 | 1,500.00 |
| 15 | 25x5 mm GI flat for earthing | Kg | 75 | 75.00 | 5,625.00 |
| 16 | 55 sq. mm Insulated conductor | Km | 0.04 | 75816.00 | 3,032.64 |
| 17 | Red Oxide Paint | Ltr | 4 | 150.00 | 600.00 |
| 18 | All. Paint | Ltr | 3 | 200.00 | 600.00 |
| 19 | Black Paint | Ltr | 2 | 220.00 | 440.00 |
| 20 | MS nut,bolt & washer | Kg | 36 | 78.00 | 2,808.00 |
| 21 | LT distribution Box with MCCB,Aluminium Bus bar with kit-kat fuse for 100 KVA Transformer | No. | 1 | 24419.00 | 24,419.00 |
| 22 | 100 KVA 11/0.4 KV Transformer(BIS Energy Level-II) | No. | 1 | 117000.00 | 117,000.00 |
| 23 | 185 sq. mm 3.5 core PVC Cable | Mtr. | 15 | 635.00 | 9,525.00 |
| 24 | All. Cable socket of 185 sq. mm | No | 25 | 35.00 | 875.00 |
| 25 | Earthing materials | Ls | 5 | 1890.00 | 9,450.00 |
| 26 | Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc.. | LS | 1 | 3000.00 | 3,000.00 |
| 27 | TOTAL MATERIAL COST | | | | 271,227.64 |
| 28 | Escalation @6%for 2019-20 | | | | 287,501.30 |
| 29 | Escalation @6%for 2020-21 | | | | 304,751.38 |
| 30 | Escalation @6%for 2021-22 | | | | 323,036.46 |
| 31 | Escalation @6%for 2022-23 | | | | 342,418.65 |
| A | Escalation @6%for 2023-24 | | | | 362,963.77 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 10,888.91 |
| C | Sub Total (C=A+B) | | | | 373,852.68 |
| D | Contingency @3% of C | | | | 11,215.58 |
| E | T & P 2% of C | | | | 7,477.05 |

| | | | | | |
|------------------|---|------|-----|----------|-------------------|
| F | Transportation @ 7.5% of C | | | | 28,038.95 |
| G | Erection Charges for PSC Pole @ 20% | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | 11,079.00 |
| I | Erection Charges of other @ 10% | | | | 15,226.83 |
| J | Sub Total | | | | 446,890.09 |
| 32 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6) | No | 2 | 1138.70 | 2,277.40 |
| 33 | Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6) | No | 2 | 2613.70 | 5,227.40 |
| 34 | Boundary wall with Bricks | No | 1 | 35000.00 | 35,000.00 |
| | Total Rs. | | | | 489,394.89 |
| SCOPE [C] | LT LINE PART | | | | |
| 1 | 9 mtr Long 116x100 mm RS Joist pole(23Kg/Mtr.)(SAIL/JINDAL/TAT A MAKE) | No. | 10 | 13455.00 | 134,550.00 |
| 2 | AB cable(3x95+1x70+1x16) sq. mm | Mtr. | 402 | 243.00 | 97,686.00 |
| 3 | LT Stay set complete | Set | 5 | 520.00 | 2,600.00 |
| 4 | 7/12 SWG GI stay wire | Kg | 50 | 75.00 | 3,750.00 |
| 5 | LT stay insulator | No. | 5 | 110.00 | 550.00 |
| 6 | LT stay clamp | No. | 5 | 30.00 | 150.00 |
| 7 | Pole clamp with I hook(ABC) | Pair | 10 | 200.00 | 2,000.00 |
| 8 | Dead end clamp | No. | 2 | 65.00 | 130.00 |
| 9 | Suspension clamp with I hook | No. | 9 | 340.00 | 3,060.00 |
| 10 | Piercing connector | No. | 18 | 80.00 | 1,440.00 |
| 11 | Neutral connector | No. | 6 | 40.00 | 240.00 |
| 12 | GI nut,bolt of assorted size | Kg | 30 | 78.00 | 2,340.00 |
| 13 | NO. 6 GI Wire | Kg | 20 | 75.00 | 1,500.00 |
| 14 | Earthing Coil | No. | 10 | 166.00 | 1,660.00 |
| 15 | 4 way service Distribution Box with Kitkat fuse | No | 6 | 2210.00 | 13,260.00 |
| 16 | All Cable socket 95 sq. mm | No | 24 | 20.00 | 480.00 |
| 17 | 3.5 core 35 sq. mm PVC cable | Mtr. | 12 | 152.00 | 1,824.00 |
| 18 | Anticlimbing device made of GI barbed wire,clamping arrangement etc.(2 Kg per support) | Kg | 20 | 80.00 | 1,600.00 |
| 19 | Sundries for survey, tree cutting , small size nut & bolt,insulated tape,Al. binding tape Danger board etc. | Ls | 1 | 3000.00 | 3,000.00 |
| 20 | Total Rs. | | | | 271,820.00 |
| 21 | Escalation @6%for 2019-20 | | | | 288,129.20 |
| 22 | Escalation @6%for 2020-21 | | | | 305,416.95 |

| | | | | | |
|----------|---|----|----|---------|---------------------|
| 23 | Escalation @6%for 2021-22 | | | | 323,741.97 |
| 24 | Escalation @6%for 2022-23 | | | | 343,166.49 |
| A | Escalation @6%for 2023-24 | | | | 363,756.48 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 10,912.69 |
| C | Sub Total (C=A+B) | | | | 374,669.17 |
| D | Contingency @3% of C | | | | 11,240.08 |
| E | T & P 2% of C | | | | 7,493.38 |
| F | Transportation @ 7.5% of C | | | | 28,100.19 |
| G | Erection Charges for PSC Pole @ 20% | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | 9,273.00 |
| I | Erection Charges of other @ 10% | | | | 18,920.92 |
| J | Sub Total | | | | 449,696.74 |
| 25 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6) | No | 5 | 1138.70 | 5,693.50 |
| 26 | Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6) | No | 10 | 2209.00 | 22,090.00 |
| | Total Rs. | | | | 477,480.24 |
| | Sub Total Rs. | | | | 1,045,119.32 |
| | Cess @1% | | | | 10,451.19 |
| | Total Estimated Cost | | | | 1,055,570.51 |
| | Total Estimated Cost in Figures | | | | 1,055,571.00 |
| 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/-
DM (Elect) I/C**

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