

**TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR**

**NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 1-D,6-E & 12-F TYPE QTRS. AT BARIPADA FIRE STATION IN THE DIST. OF MAYURBHANJ.**

**BID REF NO.- 22/JM/ELECT/OPHWC/2019-20**

Bidder Name

**SCHEDULE OF WORKS**

| Sl. No.          | Description of work   | Unit       | Qty.        | Estimated Cost in Rs. |               |
|------------------|---|------------|-------------|-----------------------|---------------|
|                  |   |            |             | RATE IN RS.           | AMOUNT IN RS. |
| <b>SCOPE [A]</b> | <b>Installation of 63 KVA 11/0.4KV (BIS Energy Level-II )DP mounted sub station .</b> | <b>NO</b>  | <b>1</b>    |                       |               |
| <b>SCOPE [B]</b> | <b>Construction of 3 Ph 3 W 11 KV Line with 100 sq. mm AAAC.</b>                      | <b>Km</b>  | <b>0.85</b> |                       |               |
| <b>SCOPE [C]</b> | <b>Construction of 3 Ph 5W LT Line with 3x35+1x25+1x16 sq. mm AB Cable</b>            | <b>Km</b>  | <b>0.3</b>  |                       |               |
| <b>SCOPE [D]</b> | <b>Cut points</b>   | <b>Nos</b> | <b>3.0</b>  |                       |               |
| <b>SCOPE [E]</b> | <b>Guarding for road crossing</b>   | <b>No</b>  | <b>1.0</b>  |                       |               |
| 1                | 150x150 mm RS Joist(11 Mtr. Long)   | No.        | 14          | 24739.00              | 346346.00     |
| 2                | 125x70 mm RS Joist(8 Mtr. Long)(13 kg/Mtr.)   | No.        | 8           | 6760.00               | 54080.00      |
| 3                | 11 KV V cross arm   | NO         | 11          | 810.00                | 8910.00       |
| 4                | GI Back Clamp for V cross Arm   | NO         | 11          | 80.00                 | 880.00        |
| 5                | 11 KV F Clamp 2.9 Kg each(GI)   | NO         | 11          | 240.00                | 2640.00       |
| 6                | 11 K.V. Pin Insulator polymer   | No.        | 45          | 200.00                | 9000.00       |
| 7                | 11 KV B&S Hardware (70 KN)  | set        | 24          | 350.00                | 8400.00       |
| 8                | Disc insulator(B&S )70 KN polymer   | No         | 48          | 1150.00               | 55200.00      |
| 9                | 100x50x6 mm MS Channel  | Kg         | 140         | 65.00                 | 9100.00       |
| 10               | 75x40x6 mm MS Channel   | Kg         | 50          | 65.00                 | 3250.00       |
| 11               | 50x50x6 mm MS Angle   | Kg         | 40          | 65.00                 | 2600.00       |
| 12               | 18 mm GI stay set   | set        | 7           | 1050.00               | 7350.00       |
| 13               | 7/10 SWG stay wire  | Kg         | <b>70</b>   | 75.00                 | 5250.00       |
| 14               | HT Stay clamp(1.9 kg/pair)(GI)  | Pair       | 7           | 125.00                | 875.00        |
| 15               | HT Stay Insulator   | No.        | 7           | 50.00                 | 350.00        |
| 16               | Earthing of support coil type   | No         | 14          | 166.00                | 2324.00       |
| 17               | 100 sq. mm AAAC   | Km         | 2.6         | 55000.00              | 143000.00     |
| 18               | GI Nut & Bolt with washer   | K.g        | <b>50</b>   | 78.00                 | 3900.00       |
| 19               | 3x35+1x25+1x16 sqmm Aerial Bunched cable  | Mtr.       | 320         | 120.00                | 38400.00      |
| 20               | Dead end Clamp (GI)   | No.        | 2           | 65.00                 | 130.00        |
| 21               | Suspension Clamp with eye hook  | No.        | 6           | 340.00                | 2040.00       |
| 22               | Pole clamp with eye hook for ABC  | No         | 8           | 200.00                | 1600.00       |
| 23               | L.T Stay set (Complete )  | Set        | <b>4</b>    | 520.00                | 2080.00       |
| 24               | 7/12 SWG GI Stay Wire ,Grade-2  | Kg         | <b>40</b>   | 75.00                 | 3000.00       |
| 25               | L.T Stay Insulator  | No.        | <b>4</b>    | 30.00                 | 120.00        |
| 26               | L.T Stay Clamp(1.4 K.g/Pair)  | Pair       | <b>4</b>    | 110.00                | 440.00        |
| 27               | Piercing connector (GI)   | No         | 19          | 80.00                 | 1520.00       |
| 28               | Neutral connector (GI)  | No         | 19          | 40.00                 | 760.00        |
| 29               | Material cost for concreting of Joist Pole  | No         | 22          | 2040.00               | 44880.00      |
| 30               | Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4) | No.        | 11          | 834.00                | 9174.00       |
| 31               | Saundries   | Ls         | 1           | 5000.00               | 5000.00       |

|    |  |      |      |          |                  |
|----|--|------|------|----------|------------------|
| A  | Sub Total  |      |      |          | <b>772599.00</b> |
| B  | Stock, Storage & Insurance @ 3% of A   |      |      |          | <b>23177.97</b>  |
| C  | Sub Total (C=A+B)  |      |      |          | <b>795776.97</b> |
| D  | Contingency @3% of C   |      |      |          | <b>23873.31</b>  |
| E  | T & P 2% of C  |      |      |          | <b>15915.54</b>  |
| F  | Transportation @ 7.5% of C   |      |      |          | <b>59683.27</b>  |
| G  | Erection Charges for PSC Pole @ 20%  |      |      |          | <b>0.00</b>      |
| H  | Erection Charges of Joist Poles @ 5%   |      |      |          | <b>20621.94</b>  |
| I  | Erection Charges of other @ 10%  |      |      |          | <b>38333.82</b>  |
| J  | Sub Total  |      |      |          | <b>954204.85</b> |
| 1  | 150x150 mm RS Joist(11 Mtr. Long)  | No.  | 2    | 24739.00 | 49478.00         |
| 2  | 100x50x6 mm MS Channel   | Kg   | 140  | 65.00    | 9100.00          |
| 3  | 75x40x6 mm MS Channel  | Kg   | 85   | 65.00    | 5525.00          |
| 4  | 50x50x6 mm MS Angle  | Kg   | 65   | 65.00    | 4225.00          |
| 5  | 18 mm GI stay set  | set  | 2    | 1050.00  | 2100.00          |
| 6  | 7/10 SWG GI Stay Wire  | Kg   | 20   | 75.00    | 1500.00          |
| 7  | 11 KV stay insulator   | No   | 2    | 50.00    | 100.00           |
| 8  | HT stay clamp  | No.  | 2    | 125.00   | 250.00           |
| 9  | 40mm pipe (medium gauge)Earthing device  | No.  | 5    | 1050.00  | 5250.00          |
| 10 | 25x5 mm GI Flat  | Kg   | 30   | 75.00    | 2250.00          |
| 11 | No. 6/8 GI wire  | Kg   | 20   | 75.00    | 1500.00          |
| 12 | 3Pole ,50 Hz,11KV 400A AB switch   | set  | 1    | 11850.00 | 11850.00         |
| 13 | H.G Fuse(11 KV,400A, 3 Pole) with PI   | set  | 1    | 11530.00 | 11530.00         |
| 14 | Lightning arrester(12 KV,10 KA)station class   | No   | 3    | 3550.00  | 10650.00         |
| 15 | 100 sq. mm AAAC  | Km   | 0.04 | 55000.00 | 2200.00          |
| 16 | 63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II                                   | No   | 1    | 86500.00 | 86500.00         |
| 17 | LT distribution Box with MCCB,Al. Busbar for single bay with kit-kat fuse for 25 KVA S/S | No.  | 1    | 18322.00 | 18322.00         |
| 18 | 95 sq. mm 3.5 core PVC Cable(Unarmoured)   | Mtr. | 15   | 333.00   | 4995.00          |
| 19 | All. Cable socket  | NO   | 32   | 52.00    | 1664.00          |
| 20 | GI Nut & Bolt with washer  | NO   | 40   | 78.00    | 3120.00          |
| 21 | fencing  | LS   | 1    | 25000.00 | 25000.00         |
| 22 | Material cost for concreting of Joist Pole   | No   | 2    | 2040.00  | 4080.00          |
| 23 | Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4)    | No.  | 2    | 834.00   | 1668.00          |
| 24 | Red Oxide Paint  | Ltr  | 3    | 150.00   | 450.00           |
| 25 | All. Paint   | Ltr  | 4    | 200.00   | 800.00           |
| 26 | Black Paint  | Ltr  | 0.5  | 220.00   | 110.00           |
| 27 | Earthing with materials  | No   | 5    | 1890.00  | 9450.00          |
| 28 | Sundries   | LS   | 1    | 5000.00  | 5000.00          |

|                         |  |         |  |  |                   |
|-------------------------|--|---------|--|--|-------------------|
| <b>A</b>                | TOTAL MATERIAL COST  |         |  |  | <b>278667.00</b>  |
| <b>B</b>                | Stock, Storage & Insurance @ 3% of A                                 |         |  |  | <b>8360.01</b>    |
| <b>C</b>                | Sub Total (C=A+B)  |         |  |  | <b>287027.01</b>  |
| <b>D</b>                | Contingency @3% of C   |         |  |  | <b>8610.81</b>    |
| <b>E</b>                | T & P 2% of C  |         |  |  | <b>5740.54</b>    |
| <b>F</b>                | Transportation @ 7.5% of C   |         |  |  | <b>21527.03</b>   |
| <b>G</b>                | Erection Charges for PSC Pole @ 20%                                  |         |  |  | <b>0.00</b>       |
| <b>H</b>                | Erection Charges of Joist Poles @ 5%                                 |         |  |  | <b>2548.12</b>    |
| <b>I</b>                | Erection Charges of DTR @ 5%   |         |  |  | <b>4454.75</b>    |
| <b>j</b>                | Erection Charges of other @ 10%                                      |         |  |  | <b>14696.97</b>   |
| <b>K</b>                | Sub Total  |         |  |  | <b>344605.23</b>  |
| <b>L</b>                | <b>TOTAL COST</b>  |         |  |  | <b>1298810.08</b> |
| <b>M</b>                | <b>Total Estimated Cost in Figures</b>                               |         |  |  | <b>1298810.00</b> |
| EXCESS                  | <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) | _____ % |  |  |                   |
| Quoted Amount in Figure |  |         |  |  |                   |
| Quoted Amount in words  |  |         |  |  |                   |

N:B- The Estimated cost is exclusive of GST.

**Signature of Tenderer with seal**

**Sd/-  
Asst. Project Manager[Elect.]**

**Sd/-  
Consultant(Elect.)**

**Sd/-  
APM Elect. (Hqr.)**

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