

**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.com /www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB**

**NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF 33 KV LINE FOR CONSTRUCTION OF PURUSANDHA BUS STAND UNDER BONTN BLOCK IN THE DIST. OF BHADRAK.**

**BID REF NO :- 34/PM/ELECT/OPHWC/2024-25**

|                                       |  |
|---------------------------------------|--|
| <b>NAME &amp; ADDRESS OF THE FIRM</b> |  |
|---------------------------------------|--|

**SCHEDULE OF WORKS**

| Sl. No.          | Description of work   | Unit | Qty.    | Estimated Cost in Rs. |               |
|------------------|---|------|---------|-----------------------|---------------|
|                  |   |      |         | RATE IN RS. 2018-19   | AMOUNT IN RS. |
| <b>SCOPE [A]</b> | <b>Shifting of 33 kv DP with Stud Pole-2 Nos.</b>   |      |         |                       |               |
| <b>SCOPE [B]</b> | <b>Laying of 33 KV 3Cx400 sq. mm UG XLPE cable 2x270 Mtr.</b>   |      |         |                       |               |
| <b>SCOPE [C]</b> | <b>Dismantling of 33 KV OH Line-0.22 Km</b>   |      |         |                       |               |
| <b>SCOPE [D]</b> | <b>Dismantling of 13 Mtr. Joist Pole-8 Nos.</b>   |      |         |                       |               |
| <b>SCOPE [E]</b> | <b>Laying of UG XLPE cable with HDPE pipe in open trench at service Road crossing and at terminating and rising point-60+40 Mtrs.</b> |      |         |                       |               |
| 1                | 150x150 mm 13 Mtr. Long GI joist Pole(34.6 Kg/Mtr.)   | No.  | 8       | <b>33735.00</b>       | 269,880.00    |
| 2                | 33 KV T&C Hardware (90KN) polymer   | set  | 6       | <b>500.00</b>         | 3,000.00      |
| 3                | Disc insulator T&C 90 KN Polymer  | No   | 6       | <b>1150.00</b>        | 6,900.00      |
| 4                | HT Stay set complete  | Set  | 2       | 1050.00               | 2,100.00      |
| 5                | 7/10 SWG Stay wire  | Kg   | 20      | 75.00                 | 1,500.00      |
| 6                | HT Stay Insulator   | No.  | 2       | 50.00                 | 100.00        |
| 7                | HT stay clamp   | Pair | 2       | 125.00                | 250.00        |
| 8                | 100X50X6mm GI Channel (each 2.8 Mtr. Long ,9.2 Kg/Mtr.x2 No.)   | Kg   | 124.28  | 75.00                 | 9,321.00      |
| 9                | 75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle   | Kg   | 139.94  | 75.00                 | 10,495.50     |
| 10               | 50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle  | Kg   | 123.55  | 75.00                 | 9,266.25      |
| 11               | Fish Plate 50x6 mm  | Kg   | 7.93    | 75.00                 | 594.75        |
| 12               | Back clamp for danger board(25x3)   | No.  | 1.204   | <b>75.00</b>          | 90.30         |
| 13               | Danger Board(200*6)   | Kg   | 9.4     | <b>75.00</b>          | 705.00        |
| 14               | 3 core 400 sq. mm 33 KV XLPE Cable(Armoured),A2xfy  | Mtr  | 540.000 | 2032.00               | 1,097,280.00  |
| 15               | HDPE Pipe 8",10 Mtr.(PE80-PN8,160 mm Dia)   | Mtr. | 100     | 1785.00               | 178,500.00    |

|          |   |      |     |                |                     |
|----------|---|------|-----|----------------|---------------------|
| 16       | Heat shrinkable jointing kit for 3Cx400 sq. mm 33 KV XLPE cable outdoor type  | No   | 4   | 33255.00       | 133,020.00          |
| 17       | Lightning arrestor ,30 KV- 10KA(station class,class-2)  | No   | 6   | 10350.00       | 62,100.00           |
| 18       | GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long   | No   | 6   | 1050.00        | 6,300.00            |
| 19       | Earthing materials  | Ls   | 6   | <b>1890.00</b> | 11,340.00           |
| 20       | 25x6 mm GI flat for earthing  | Kg   | 124 | 75.00          | 9,300.00            |
| 21       | GI nut,bolt of assorted size  | Kg   | 50  | 78.00          | 3,900.00            |
| 22       | Aniclimbing device made of GI barbed wire, clamping arrangement etc.(2 Kg per support)  | Kg   | 4   | <b>80.00</b>   | 320.00              |
| 23       | Sundries  | LS   | 1   | 3000.00        | 3,000.00            |
| 24       | TOTAL MATERIAL COST   |      |     |                | <b>1,819,262.80</b> |
| 25       | Escalation @6%for 2019-20   |      |     |                | <b>1,928,418.57</b> |
| 26       | Escalation @6%for 2020-21   |      |     |                | <b>2,044,123.68</b> |
| 27       | Escalation @6%for 2021-22   |      |     |                | <b>2,166,771.10</b> |
| 28       | Escalation @6%for 2022-23   |      |     |                | <b>2,296,777.37</b> |
| 29       | Escalation @6%for 2023-24   |      |     |                | <b>2,434,584.01</b> |
| <b>A</b> | Escalation @6%for 2024-25   |      |     |                | <b>2,580,659.05</b> |
| <b>B</b> | Stock, Storage & Insurance @ 3% of A  |      |     |                | <b>77,419.77</b>    |
| <b>C</b> | Sub Total (C=A+B)   |      |     |                | <b>2,658,078.82</b> |
| <b>D</b> | Contingency @3% of C  |      |     |                | <b>79,742.36</b>    |
| <b>E</b> | T & P 2% of C   |      |     |                | <b>53,161.58</b>    |
| <b>F</b> | Transportation @ 7.5% of C  |      |     |                | <b>199,355.91</b>   |
| <b>G</b> | Erection Charges for PSC Pole @ 20%   |      |     |                | -                   |
| <b>H</b> | Erection Charges of DTR and Joist Poles @ 5%  |      |     |                | <b>19,715.74</b>    |
| <b>I</b> | Erection Charges of other @ 10%   |      |     |                | <b>226,376.40</b>   |
| <b>J</b> | Sub Total   |      |     |                | <b>3,236,430.82</b> |
| <b>K</b> | Transportation + Labour cost of Dismatled materials(as per Estimate)  |      |     |                | <b>25,491.00</b>    |
| <b>L</b> | Total Rs  |      |     |                | <b>3,261,921.82</b> |
| <b>M</b> | Salvage value of Dismantled material  |      |     |                | <b>21,702.80</b>    |
| <b>N</b> | Total Rs.   |      |     |                | <b>3,240,219.02</b> |
| 30       | Material cost for Concreting of Joist Pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr.=0.34 cum(PCC 1:3:6)@6500  | No   | 8   | 2558.40        | 20,467.20           |
| 31       | Concreting of stay (0.5 Mtr.x0.5 Mtr.x0.5 Mtr.=0.125 cum-PCC 1:3:6)@6500  | No   | 2   | 965.00         | 1,930.00            |
| 32       | Laying(underground)testing,commissioning,transportation from site to site of 33 KV ,XLPE, 3X300/400 sq. mm power cable ,aluminium conductor, including supply & installation of tagging (at interval of 10 Mtr.)etc. as per TPNODL specification.(scope includes Laying of cable in existing trench/pipe/tray with supply & laying of cable covers, warning tape with sand & back filling ,ramming and levelling of earth as per TPNODL specification including testing of cable. scope also includes removal and disposal of loose malba above road /ground level as per instruction of EIC. | Mtr. | 502 | 946.00         | 474,892.00          |

|                         |   |         |     |        |                     |
|-------------------------|---|---------|-----|--------|---------------------|
| 33                      | Excavation of cable trench upto 1200 mm depth & 600 mm width in ordinary soil as per TPNODL Specification for laying of 33 KV double cable and removal of malba .scope of work excludes laying of HUME/PVC Pipe/HDPE/GI Pipe. | m3      | 181 | 644.00 | 116,564.00          |
|                         | Total Rs.   |         |     |        | <b>613,853.20</b>   |
|                         | Sub Total Rs.   |         |     |        | <b>3,854,072.22</b> |
|                         | Cess @1%  |         |     |        | 38,540.72           |
|                         | Total Estimated Cost  |         |     |        | 3,892,612.94        |
|                         | Total Estimated Cost in Figures   |         |     |        | <b>3,892,613.00</b> |
| 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 I/C (Elect)**

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