

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
**Ph: 0674-2541545, 2542921, Fax: 0674-2541543**  
**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT GOPALPUR IN THE DISTRICT OF GANJAM.**

**BID REF NO.- 41/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.<br>2023-24 | AMOUNT IN RS. |
| <b>PART-I</b> | <b>Installation of 63 KVA 11/0.4KV sub station - 1 No.</b>                                                           |      |       |                        |               |
| 1             | 10 Mtr. Long 150X150 mm Joist Pole,34.6 Kg/Mtr with Galvanisation                                                    | No   | 2     | 33735.00               | 67470.00      |
| 2             | Earthing device coil type(GI)                                                                                        | No   | 2     | 215.80                 | 431.60        |
| 3             | GI Base plate for support (500x500x10)mm for support,20 Kg each                                                      | No   | 2     | 1950.00                | 3900.00       |
| 4             | Top Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation                              | K.g  | 51.52 | 97.50                  | 5023.20       |
| 5             | Transformer mounting Channel 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)with Galvanisation                    | K.g  | 51.52 | 97.50                  | 5023.20       |
| 6             | AB switch &HG fuse mounting channel(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation                         | K.g  | 76.16 | 97.50                  | 7425.60       |
| 7             | Cantilever Channel for supporting HG Fuse 75x40x6mm. MS 1 mtr. Long 2 Nos. (6.8kg./mtr.)with Galvanisation           | Kg.  | 13.6  | 97.50                  | 1326.00       |
| 8             | Cantilever angle for supporting AB Switch 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)with Galvanisation            | Kg.  | 9     | 97.50                  | 877.50        |
| 9             | Transformer belting 50x50x6 mm Angle 4.5 Kg/Mtr. 2.8 Mtr. Long 2 Nos.,with side angle(7 Mtr. Long)with Galvanisation | K.g  | 31.5  | 97.50                  | 3071.25       |

|                |                                                                                                      |      |        |           |           |
|----------------|------------------------------------------------------------------------------------------------------|------|--------|-----------|-----------|
| 10             | Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation | Kg   | 9      | 97.50     | 877.50    |
| 11             | 11KV Disc insulator B& S type 45 KN Polymer                                                          | No.  | 3      | 1118.00   | 3354.00   |
| 12             | 11KV H.W Fittings B&S type(2 bolted)                                                                 | No.  | 3      | 338.00    | 1014.00   |
| 13             | 11KV AB switch 3 pole(200 Amp)                                                                       | Set  | 1      | 9555.00   | 9555.00   |
| 14             | 11KV HG fuse 3 pole(200 Amp)                                                                         | Set  | 1      | 7956.00   | 7956.00   |
| 15             | 11 KV LA(10KA)                                                                                       | No.  | 3      | 1274.00   | 3822.00   |
| 16             | HT stay set (Complete)                                                                               | No.  | 2      | 1365.00   | 2730.00   |
| 17             | stay Insulator                                                                                       | No.  | 2      | 65.00     | 130.00    |
| 18             | Stay clamp                                                                                           | pair | 2      | 162.50    | 325.00    |
| 19             | 7/10 SWG GI Saty wire                                                                                | Kg   | 20     | 97.50     | 1950.00   |
| 20             | GI Pipe earthing 40 Dia Medium gauge 3 mtrs long                                                     | No   | 5      | 1365.00   | 6825.00   |
| 21             | 25x4 mm GI flat (Neutral)                                                                            | Kg   | 10     | 97.50     | 975.00    |
| 22             | 25x6 mm GI flat                                                                                      | Kg   | 30     | 97.50     | 2925.00   |
| 23             | 55 sq. mm AAAC                                                                                       | kM   | 0.05   | 39000.00  | 1950.00   |
| 24             | GI nut,bolt & washers                                                                                | Kg   | 25     | 101.40    | 2535.00   |
| 25             | 63 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II                                               | No.  | 1      | 112450.00 | 112450.00 |
| 26             | LT Distribution box with MCCB, Aluminium Bus bar of single bay Kitkat Fuse for 63 KVA S/S            | No   | 1      | 23818.60  | 23818.60  |
| 27             | 95 sq. mm 3.5 core LT PVC cable                                                                      | Mtr. | 15     | 432.90    | 6493.50   |
| 28             | Danger board                                                                                         | No   | 1      | 104.00    | 104.00    |
| 29             | Anticlimbing Device(GI barbed wire 3 Kg per support)                                                 | Kg   | 6      | 104.00    | 624.00    |
| 30             | Sundries (Al. binding tape, insulation tape, anti climbing devices, paint, Danger Board)             | LS   | 1      | 1000.00   | 1000.00   |
|                | A.Sub Total Rs.                                                                                      |      |        |           | 285961.95 |
| B              | Stock,storage and insurance (@3% on A)                                                               |      |        |           | 8578.86   |
| C              | TOTAL RS.                                                                                            |      |        |           | 294540.81 |
| D              | T&P @ 2% of C                                                                                        |      |        |           | 5890.82   |
| E              | Contingency @ 3% of C                                                                                |      |        |           | 8836.22   |
| F              | Transportation @ 7.5% of C                                                                           |      |        |           | 22090.56  |
| G              | Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles                      |      |        |           | 20188.20  |
| H              | TOTAL RS.                                                                                            |      |        |           | 351546.61 |
| <b>PART-II</b> | <b>Construction of 3 ph 3 wire 11 KV line with 100 sq. mm AAA Conductor -0.07 Km</b>                 |      |        |           |           |
| 1              | 100 sq. mm AAAC                                                                                      | Km   | 0.2163 | 71500.00  | 15465.45  |
| 2              | 11KV Disc insulator B&S Polymer 90 KN                                                                | No.  | 3      | 1495.00   | 4485.00   |
| 3              | 11KV H.W Fittings B&S 3 bolted,90 KN                                                                 | No.  | 3      | 456.30    | 1368.90   |
| 4              | PG clamp for 100 sq. mm AAAC                                                                         | No.  | 3      | 754.00    | 2262.00   |
| 5              | 11 KV Pin insulator polymer                                                                          | No   | 3      | 260.00    | 780.00    |
| 6              | GI nut,bolt & washers                                                                                | Kg   | 1      | 101.40    | 101.40    |
| 7              | Sundries(clamp, connector, binding tape etc.)                                                        | LS   | 1      | 500.00    | 500.00    |

|                 |                                                                                             |      |       |          |           |
|-----------------|---------------------------------------------------------------------------------------------|------|-------|----------|-----------|
|                 | A.Sub Total Rs.                                                                             |      |       |          | 24962.75  |
| B               | Stock,storage and insurance (@3% on A)                                                      |      |       |          | 748.88    |
| C               | TOTAL RS.                                                                                   |      |       |          | 25711.63  |
| D               | T&P @ 2% of C                                                                               |      |       |          | 514.23    |
| E               | Contigency @ 3% of C                                                                        |      |       |          | 771.35    |
| F               | Transportation @ 7.5% of C                                                                  |      |       |          | 1928.37   |
| G               | Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles             |      |       |          | 2571.16   |
| H               | TOTAL RS.                                                                                   |      |       |          | 31496.75  |
| <b>PART-III</b> | <b>Installation of 11 KV, 400A Line DP with AB Switch.-1 No.</b>                            |      |       |          |           |
| 1               | 150X150 mm Joist Pole,10 Mtr. Long(34.6 Kg/Mtr.) with Galvanisation                         | No   | 2     | 33735.00 | 67470.00  |
| 2               | GI Base plate for support (500x500x10)mm for support,20 Kg each                             | No   | 2     | 1950.00  | 3900.00   |
| 3               | Earthing device coil type(GI)                                                               | No   | 2     | 215.80   | 431.60    |
| 4               | Top Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.with Galvanisation     | Kg.  | 51.52 | 97.50    | 5023.20   |
| 5               | Cross Bracing channel 100x50x6mm,2.8 mtr. Long 2 Nos. (9.2 kg./mtr.)with Galvanisation      | Kg.  | 51.52 | 97.50    | 5023.20   |
| 6               | Cross Bracing angle 50x50x6mm,5.0 mtr. Long 2 Nos. (4.5 kg./mtr.)with Galvanisation         | Kg.  | 45    | 97.50    | 4387.50   |
| 7               | A/B switch Mounting Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)with Galvanisation | Kg.  | 38.08 | 97.50    | 3712.80   |
| 8               | 11KV Disc insulator B&S Polymer 90 KN                                                       | No.  | 6     | 1495.00  | 8970.00   |
| 9               | 11KV H.W Fittings B&S 3 bolted,90 KN                                                        | No.  | 6     | 456.30   | 2737.80   |
| 10              | 11 KV Pin insulator polymer                                                                 | No   | 3     | 260.00   | 780.00    |
| 11              | 11KV AB switch 3 pole(400 Amp)                                                              | Set  | 1     | 15405.00 | 15405.00  |
| 12              | HT stay set (Complete)                                                                      | No.  | 2     | 1365.00  | 2730.00   |
| 13              | stay Insulator                                                                              | No.  | 2     | 65.00    | 130.00    |
| 14              | Stay clamp                                                                                  | pair | 2     | 162.50   | 325.00    |
| 15              | 7/10 SWG GI Saty wire                                                                       | Kg   | 20    | 97.50    | 1950.00   |
| 16              | GI Pipe earthing 40 Dia Medium gauge 3 mtrs long                                            | No   | 1     | 1365.00  | 1365.00   |
| 17              | 25x6 mm GI flat for earthing                                                                | Kg   | 15    | 97.50    | 1462.50   |
| 18              | Danger board                                                                                | No   | 2     | 104.00   | 208.00    |
| 19              | Anticlimbing Device(GI barbed wire 3 Kg per support)                                        | Kg   | 6     | 104.00   | 624.00    |
| 20              | GI nut,bolt & washers                                                                       | Kg   | 10    | 101.40   | 1014.00   |
| 21              | Sundries (Al. binding tape, insulation tape, anti climbing devices, paint, Danger Board)    | LS   | 1     | 1000.00  | 1000.00   |
|                 | A.Sub Total Rs.                                                                             |      |       |          | 128649.60 |
| B               | Stock,storage and insurance (@3% on A)                                                      |      |       |          | 3859.49   |
| C               | TOTAL RS.                                                                                   |      |       |          | 132509.09 |
| D               | T&P @ 2% of C                                                                               |      |       |          | 2650.18   |

|                 |                                                                                                                                                                               |      |      |           |                  |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------|------------------|
| E               | Contingency @ 3% of C                                                                                                                                                         |      |      |           | <b>3975.27</b>   |
| F               | Transportation @ 7.5% of C                                                                                                                                                    |      |      |           | <b>9938.18</b>   |
| G               | Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles                                                                                               |      |      |           | <b>9776.21</b>   |
| H               | TOTAL RS.                                                                                                                                                                     |      |      |           | <b>158848.93</b> |
| <b>PART-III</b> | <b>Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.175 Km</b>                                                                                       |      |      |           |                  |
| 1               | 8 Mtr. Long 200 KG PSC Pole                                                                                                                                                   | No   | 5    | 2600.00   | 13000.00         |
| 2               | GI Base plate for support (500x500x10)mm for support,20 Kg each                                                                                                               | No   | 5    | 1950.00   | 9750.00          |
| 3               | Earthing device coil type(GI)                                                                                                                                                 | No   | 5    | 215.80    | 1079.00          |
| 4               | 3x95+1x70+1x16 sqmm XLPE AB Cable                                                                                                                                             | Km   | 0.18 | 315900.00 | 58046.63         |
| 5               | Pole clamp for eye Hook for AB cable                                                                                                                                          | pair | 5    | 260.00    | 1300.00          |
| 6               | Dead end clamp suitable for XLPE cable                                                                                                                                        | No   | 6    | 84.50     | 507.00           |
| 7               | Eye Hook                                                                                                                                                                      |      | 6    | 78.00     | 468.00           |
| 8               | Suspension clamp with I Hook                                                                                                                                                  | No.  | 2    | 442.00    | 884.00           |
| 9               | L.T Stay set (Complete )                                                                                                                                                      | Set  | 5    | 676.00    | 3380.00          |
| 10              | L.T Stay Insulator                                                                                                                                                            | No.  | 5    | 39.00     | 195.00           |
| 11              | L.T Stay Clamp(1.4 K.g/Pair)                                                                                                                                                  | Pair | 5    | 143.00    | 715.00           |
| 12              | 7/12 SWG Stay Wire                                                                                                                                                            | Kg   | 40   | 97.50     | 3900.00          |
| 13              | GI Nuts and Bolts of assorted size                                                                                                                                            | Kg   | 10   | 101.40    | 1014.00          |
| 14              | Anticlimbing Device(GI barbed wire 3 Kg per support)                                                                                                                          | Kg   | 15   | 104.00    | 1560.00          |
| 15              | Danger board                                                                                                                                                                  | No   | 5    | 104.00    | 520.00           |
| 16              | Sundries (Al. binding tape, insulation tape, anti climbing devices, paint, Danger Board)                                                                                      | LS   | 1    | 1000.00   | 1000.00          |
|                 | A.Sub Total Rs.                                                                                                                                                               |      |      |           | <b>97,318.63</b> |
| B               | Stock,storage and insurance (@3% on A)                                                                                                                                        |      |      |           | <b>2919.56</b>   |
| C               | TOTAL RS.                                                                                                                                                                     |      |      |           | <b>100238.18</b> |
| D               | T&P @ 2% of C                                                                                                                                                                 |      |      |           | <b>2004.76</b>   |
| E               | Contingency @ 3% of C                                                                                                                                                         |      |      |           | <b>3007.15</b>   |
| F               | Transportation @ 7.5% of C                                                                                                                                                    |      |      |           | <b>7517.86</b>   |
| G               | Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles                                                                                               |      |      |           | <b>11362.82</b>  |
| H               | TOTAL RS.                                                                                                                                                                     |      |      |           | <b>124130.78</b> |
| 17              | Cement Concrete for support with CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum-Couping CC 1:3:6 by using 12 HBG metal(0.3x0.3x0.45)mtr.=0.0405 cum | Nos. | 4    | 1460.00   | 5840.00          |
| 18              | Cement Concreting of support with 1:3:6 using 4cm size Hard granite metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3 cum                                                                 | Nos. | 5    | 1270.00   | 6350.00          |

|                         |                                                                                                                                       |         |   |           |                    |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------|---|-----------|--------------------|
| 19                      | Cement concreting for stud and stay anchor plate with 1:3:6 by using 4 cm size hard granite metal ( 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum | Nos.    | 9 | 1270.00   | 11430.00           |
| 20                      | Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.                                           | No      | 6 | 1600.00   | 9600.00            |
| 21                      | Brick wall boundary for 63 KVA S/S                                                                                                    | Ls      | 1 | 24362.00  | 24362.00           |
| 22                      | Grill gate with locking arrangement and metal spreading                                                                               | Ls      | 1 | 6000.00   | 6000.00            |
|                         |                                                                                                                                       |         |   | Total Rs. | <b>63,582.00</b>   |
|                         | Total Estimated Cost                                                                                                                  |         |   |           | <b>7,29,605.07</b> |
|                         | Total Estimated Cost in Figures                                                                                                       |         |   |           | <b>7,29,605.00</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/-  
Asst. Project Manager (Elect) (Hqr)**

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