

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
**Ph: 0674-2541545, 2542921, Fax: 0674-2541543**  
**E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QUARTERS AT BOLAGARH POLICE STATION IN THE DISTRICT OF KHURDA.**

**BID REF NO :- 24/PM/ELECT/OPHWC/2025-26**

|                                       |  |
|---------------------------------------|--|
| <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.           | AMOUNT IN RS. |
| I       | CONSTRUCTION OF 11 KV LINE .                                                                                          |      |        |                       |               |
| A       | 11 KV CUT POINT WITH 180 DEGREE ANGLE                                                                                 |      |        |                       |               |
| 1       | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)                                                                       | No   | 1      | 34153.68              | 34153.68      |
| 2       | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)     | Kg   | 22.944 | 102.00                | 2340.29       |
| 3       | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required                                           | Kg   | 5.286  | 102.00                | 539.17        |
| 4       | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306) | Kg   | 5.85   | 102.00                | 596.70        |
| 5       | Danger plate                                                                                                          | No   | 1      | 108.80                | 108.80        |
| 6       | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)               | Kg   | 0.3009 | 102.00                | 30.69         |
| 7       | GI barbed wire/Anticlimbing device                                                                                    | No   | 3      | 108.80                | 326.40        |
| 8       | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)        | Kg   | 1.2036 | 102.00                | 122.77        |
| 9       | 11 KV pin insulator polymer                                                                                           | Set  | 3      | 272.00                | 816.00        |
| 10      | H W fitting(B&S) 70KN, 3Bolt                                                                                          | No.  | 6      | 476.00                | 2856.00       |
| 11      | Disc insulator (B&S) 70 KN polymer                                                                                    | No.  | 6      | 1564.00               | 9384.00       |
| 12      | Earthing of Support ( Coil Type )                                                                                     | No   | 1      | 225.76                | 225.76        |
| 13      | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing                                 | Kg   | 0.262  | 102.00                | 26.72         |
| 14      | Non metallic ties -11 KV 55 sq. mm AAAC                                                                               | No   | 3      | 251.00                | 753.00        |
| 15      | IPC for 55 sq. mm AAAC(For covered conductor)                                                                         | No   | 6      | 371.00                | 2226.00       |
| 16      | Spike (GI) using 50x6 mm Flat(GI) welded with 8 mm square bar)(2 Nos. spike per set in each pole)                     | Set  | 2      | 332.00                | 664.00        |
| 17      | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )                                                   | Kg   | 3.55   | 106.08                | 376.58        |
| 18      | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                     | Ltr  | 2      | 167.46                | 334.92        |
| 19      | Black paint (GIS Numbering & Zebra stripping)                                                                         | Ltr  | 0.5    | 299.20                | 149.60        |

|    |                                                                                                                       |                                |          |          |           |
|----|-----------------------------------------------------------------------------------------------------------------------|--------------------------------|----------|----------|-----------|
| A  | A. Sub total                                                                                                          |                                |          |          | 56,031.09 |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                               |                                |          |          | 1,680.93  |
| C  | Sub Total (C=A+B)                                                                                                     |                                |          |          | 57,712.02 |
| D  | T&P @ 2% of C                                                                                                         |                                |          |          | 1154.24   |
| E  | Contingency @ 3% of C                                                                                                 |                                |          |          | 1,731.36  |
| F  | Transportation @ 7.5% of C                                                                                            |                                |          |          | 4,328.40  |
|    |                                                                                                                       | Erection Charges @ 5% on poles |          |          | 1,758.91  |
| G  | Erection Charges @ 10%                                                                                                |                                |          |          | 2,253.38  |
| H  | Total                                                                                                                 |                                |          |          | 68,938.31 |
| 20 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.                                                           | Cum                            | 0.45     | 6648.85  | 2991.98   |
| 21 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.                                                            | Cum                            | 0.1125   | 6648.85  | 748.00    |
|    | Total Material + Services Cost (J+K)                                                                                  |                                |          |          | 72,678.29 |
| B  | 11 KV CUT POINT WITH 90 DEGREE ANGLE                                                                                  |                                |          |          |           |
| 1  | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)                                                                       | No                             | 2        | 34153.68 | 68307.36  |
| 2  | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)     | Kg                             | 91.776   | 102.00   | 9361.15   |
| 3  | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required                                           | Kg                             | 21.1456  | 102.00   | 2156.85   |
| 4  | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306) | Kg                             | 23.40288 | 102.00   | 2387.09   |
| 5  | Danger plate                                                                                                          | No                             | 2        | 108.80   | 217.60    |
| 6  | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)               | Kg                             | 0.6018   | 102.00   | 61.38     |
| 7  | GI barbed wire/Anticlimbing device                                                                                    | No                             | 6        | 108.80   | 652.80    |
| 8  | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)        | Kg                             | 2.4072   | 102.00   | 245.53    |
| 9  | 11 KV pin insulator polymer                                                                                           | Set                            | 8        | 272.00   | 2176.00   |
| 10 | H W fitting(B&S) 70KN, 3Bolt                                                                                          | No.                            | 12       | 476.00   | 5712.00   |
| 11 | Disc insulator (B&S) 70 KN polymer                                                                                    | No.                            | 12       | 1564.00  | 18768.00  |
| 12 | Earthing of Support ( Coil Type )                                                                                     | No                             | 2        | 225.76   | 451.52    |
| 13 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing                                 | Kg                             | 0.524    | 102.00   | 53.45     |
| 14 | Non metallic ties -11 KV 55 sq. mm AAAC                                                                               | No                             | 8        | 251.00   | 2008.00   |
| 15 | IPC for 55 sq. mm AAAC(For covered conductor)                                                                         | No                             | 12       | 371.00   | 4452.00   |
| 16 | Spike (GI) using 50x6 mm Flat(GI) welded with 8 mm square bar)(2 Nos. spike per set in each pole)                     | Set                            | 4        | 332.00   | 1328.00   |
| 17 | HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.                                                        | Pair                           | 4        | 170.00   | 680.00    |
| 18 | HT Stay Set (Complete)                                                                                                | Set                            | 4        | 1428.00  | 5712.00   |
| 19 | HT Stay Insulator                                                                                                     | No.                            | 4        | 68.00    | 272.00    |
| 20 | 7/10 SWG Stay Wire , 15 Kg/stay                                                                                       | KG                             | 60       | 102.00   | 6120.00   |
| 21 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )                                                   | Kg                             | 14.866   | 106.08   | 1576.99   |
| 22 | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                     | Ltr                            | 4        | 167.46   | 669.84    |
| 23 | Black paint (GIS Numbering & Zebra stripping)                                                                         | Ltr                            | 1        | 299.20   | 299.20    |

|    |                                                                                                                                                                                                                                                                                                                       |                                |        |          |            |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------|----------|------------|
| A  | A. Sub total                                                                                                                                                                                                                                                                                                          |                                |        |          | 133,668.77 |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                               |                                |        |          | 4,010.06   |
| C  | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                     |                                |        |          | 137,678.83 |
| D  | T&P @ 2% of C                                                                                                                                                                                                                                                                                                         |                                |        |          | 2490.23    |
| E  | Contingency @ 3% of C                                                                                                                                                                                                                                                                                                 |                                |        |          | 4,130.36   |
| F  | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                            |                                |        |          | 10,325.91  |
|    |                                                                                                                                                                                                                                                                                                                       | Erection Charges @ 5% on poles |        |          | 3,517.83   |
| G  | Erection Charges @ 10%                                                                                                                                                                                                                                                                                                |                                |        |          | 5,415.57   |
| H  | Total                                                                                                                                                                                                                                                                                                                 |                                |        |          | 163,558.74 |
| 24 | Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material . | No                             | 4      | 2301.53  | 9206.12    |
| 26 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.                                                                                                                                                                                                                                                           | Cum                            | 0.9    | 6648.85  | 5983.97    |
| 26 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.                                                                                                                                                                                                                                                            | Cum                            | 0.225  | 6648.85  | 1495.99    |
|    | Total Material + Services Cost (J+K)                                                                                                                                                                                                                                                                                  |                                |        |          | 180,244.81 |
| C  | 11 KV PIN POINTS WITH WPB                                                                                                                                                                                                                                                                                             |                                |        |          |            |
| 1  | WPB GI Pole160X152(11 Mtr. Long, 30.44 Kg/Mtr.)                                                                                                                                                                                                                                                                       | No                             | 8      | 34153.68 | 273229.44  |
| 2  | 11 KV V cross arm                                                                                                                                                                                                                                                                                                     | No                             | 8      | 1101.60  | 8812.80    |
| 3  | Top Bracket 100x50x6 mm GI channel(2 Kg each)                                                                                                                                                                                                                                                                         | No                             | 8      | 204.00   | 1632.00    |
| 4  | Danger plate                                                                                                                                                                                                                                                                                                          | No                             | 8      | 108.80   | 870.40     |
| 5  | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)                                                                                                                                                                                                               | Kg                             | 2.41   | 102.00   | 245.82     |
| 6  | GI barbed wire/Anticlimbing device                                                                                                                                                                                                                                                                                    | No                             | 24     | 108.80   | 2611.20    |
| 7  | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)                                                                                                                                                                                                        | Kg                             | 9.63   | 102.00   | 982.26     |
| 8  | 11 KV Pin Insulator Polymer,3 Nos.,required for each support                                                                                                                                                                                                                                                          | No                             | 24     | 272.00   | 6528.00    |
| 9  | Earthing of Support ( Coil Type )                                                                                                                                                                                                                                                                                     | No                             | 8      | 225.76   | 1806.08    |
| 10 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing                                                                                                                                                                                                                                 | Kg                             | 2.1    | 102.00   | 214.20     |
| 11 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )                                                                                                                                                                                                                                                   | Kg                             | 11.6   | 106.08   | 1230.53    |
| 12 | 55 sq. mm XLPE AAAC Covered conductor                                                                                                                                                                                                                                                                                 | Mtr.                           | 1297.8 | 99.74    | 129442.57  |
| 13 | Yellow colour paint for Background                                                                                                                                                                                                                                                                                    | Ltr                            | 16     | 167.46   | 2679.36    |
| 14 | Black colour paint for numbering                                                                                                                                                                                                                                                                                      | Ltr                            | 8      | 299.20   | 2393.60    |
| 15 | Non metallic ties -11 KV 55 sq. mm AAAC                                                                                                                                                                                                                                                                               | No                             | 24     | 251.00   | 6024.00    |
| 16 | Spike (GI) using 50x6 mm Flat(GI) welded with 8 mm square bar)(2 Nos. spike per set in each pole)                                                                                                                                                                                                                     | Set                            | 16     | 332.00   | 5312.00    |
| A  | A. Sub total                                                                                                                                                                                                                                                                                                          |                                |        |          | 444,014.26 |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                               |                                |        |          | 13,320.43  |
| C  | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                     |                                |        |          | 457,334.69 |
| D  | T&P @ 2% of C                                                                                                                                                                                                                                                                                                         |                                |        |          | 9,146.69   |
| E  | Contingency @ 3% of C                                                                                                                                                                                                                                                                                                 |                                |        |          | 13,720.04  |
| F  | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                            |                                |        |          | 34,300.10  |

|    |                                                                                                                              |                                |        |          |            |
|----|------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------|----------|------------|
|    |                                                                                                                              | Erection Charges @ 5% on poles |        |          | 14,071.32  |
| G  |                                                                                                                              | Erection Charges @ 10%         |        |          | 17,590.75  |
| H  |                                                                                                                              | Total                          |        |          | 546,163.59 |
| 17 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.                                                                 | Cum                            | 3.6    | 6648.85  | 23935.86   |
| 18 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.                                                                   | Cum                            | 0.9    | 6648.85  | 5983.97    |
|    | Total Material + Services Cost (J+K)                                                                                         |                                |        |          | 576,083.42 |
| II | INSTALLATION OF 63 KVA S/S.                                                                                                  |                                |        |          |            |
| 1  | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)                                                                              | No                             | 2      | 34153.68 | 68307.36   |
| 2  | 9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)                                                                            | No                             | 1      | 4080.00  | 4,080.00   |
| 3  | Pole Clamp for Eye Hook for XLPE Aerial bunched cable                                                                        | Pair                           | 2      | 272.00   | 544.00     |
| 4  | Eye Hook for XLPE Aerial Bunched Cable                                                                                       | No                             | 2      | 81.60    | 163.20     |
| 5  | Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable                                                                | No                             | 2      | 88.40    | 176.80     |
| 6  | LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 3 No's.) (Each 3x1.000x7.14= 21.42 Kg) | Kg                             | 21.42  | 102.00   | 2184.84    |
| 7  | Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)                                                                 | Kg                             | 57.36  | 102.00   | 5850.72    |
| 8  | Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required                                                            | Kg                             | 3.9648 | 102.00   | 404.41     |
| 9  | MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.                                                                   | Kg                             | 42.84  | 102.00   | 4369.68    |
| 10 | AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)                                        | Kg                             | 42.84  | 102.00   | 4369.68    |
| 11 | AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)                                      | Kg                             | 6.69   | 102.00   | 682.38     |
| 12 | Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.                        | Kg                             | 5.711  | 102.00   | 582.52     |
| 13 | HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)                                      | Kg                             | 42.84  | 102.00   | 4369.68    |
| 14 | Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)                                     | Kg                             | 11.57  | 102.00   | 1180.14    |
| 15 | Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)                                                      | Kg                             | 11.54  | 102.00   | 1177.08    |
| 16 | Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)              | Kg                             | 57.36  | 102.00   | 5850.72    |
| 17 | Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)          | Kg                             | 9.85   | 102.00   | 1004.70    |
| 18 | Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)                            | Kg                             | 27     | 102.00   | 2754.00    |
| 19 | Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)                   | Kg                             | 5.22   | 102.00   | 532.44     |
| 20 | LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)                                    | Kg                             | 9      | 102.00   | 918.00     |

|    |                                                                                                                                                                                                                                                                                             |         |         |           |                   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-----------|-------------------|
| 21 | 50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing. ) | Kg      | 154.816 | 102.00    | 15791.23          |
| 22 | 63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II                                                                                                                                                                                                                                     | No      | 1       | 152486.81 | 152486.81         |
| 23 | LT Distribution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.                                                                                                                                                                                              | No      | 1       | 24917.92  | 24917.92          |
| 24 | 55 sq. mm All Alloy conductor-PVC insulated                                                                                                                                                                                                                                                 | Mtr     | 50      | 55.24     | 2762.00           |
| 25 | 4Cx95 sq. mm LT XLPE cable                                                                                                                                                                                                                                                                  | Mtr     | 15      | 438.71    | 6580.65           |
| 26 | 4Cx95 sq. mm LT XLPE cable-from LTDB to Pole                                                                                                                                                                                                                                                | Mtr     | 40      | 438.71    | 17548.40          |
| 27 | 11 KV AB switch (200 Amp, 3 pole)                                                                                                                                                                                                                                                           | Set     | 1       | 9996.00   | 9996.00           |
| 28 | 11 KV HG Fuse (200 Amp, 3 pole)                                                                                                                                                                                                                                                             | Set     | 1       | 8323.20   | 8323.20           |
| 29 | Wedge connector for 55 sq. mm conductor                                                                                                                                                                                                                                                     | EA      | 6       | 146.20    | 877.20            |
| 30 | Polycarbonate Bird Guard                                                                                                                                                                                                                                                                    | EA      | 6       | 20.96     | 125.76            |
| 31 | 11 KV Disc insulator polymer type 70 KN                                                                                                                                                                                                                                                     | No      | 3       | 1564.00   | 4692.00           |
| 32 | 11 KV H/W fitting polymer type                                                                                                                                                                                                                                                              | Pair    | 3       | 476.00    | 1428.00           |
| 33 | 11 KV LA (12KV,10 KA)station class-2                                                                                                                                                                                                                                                        | No      | 3       | 4828.00   | 14484.00          |
| 34 | 11 KV Pin Insulator polymer type                                                                                                                                                                                                                                                            | No      | 3       | 272.00    | 816.00            |
| 35 | HT Stay Set (Complete)                                                                                                                                                                                                                                                                      | Set     | 2       | 1428.00   | 2856.00           |
| 36 | HT Stay Insulator                                                                                                                                                                                                                                                                           | No.     | 2       | 68.00     | 136.00            |
| 37 | HT Stay Clamp(1.95 K.g/Pair)                                                                                                                                                                                                                                                                | Pair    | 2       | 170.00    | 340.00            |
| 38 | 7/10 SWG Stay Wire                                                                                                                                                                                                                                                                          | KG      | 30      | 102.00    | 3060.00           |
| 39 | GI Pipe for earthing 40mm dia 3mtr long                                                                                                                                                                                                                                                     | No      | 7       | 1428.00   | 9996.00           |
| 40 | GI Nut, Bolt & washers of different sizes                                                                                                                                                                                                                                                   | Kg      | 25      | 106.08    | 2652.00           |
| 41 | GI barbed wire/Anticlimbing device                                                                                                                                                                                                                                                          | No      | 6       | 108.80    | 652.80            |
| 42 | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)                                                                                                                                                                              | Kg      | 2.4072  | 102.00    | 245.53            |
| 43 | Danger plate                                                                                                                                                                                                                                                                                | Kg      | 2       | 108.80    | 217.60            |
| 44 | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)                                                                                                                                                                                     | Kg      | 0.6018  | 102.00    | 61.38             |
| 45 | Name Plate                                                                                                                                                                                                                                                                                  | No      | 1       | 108.80    | 108.80            |
|    | <b>Structure Numbering and marking</b>                                                                                                                                                                                                                                                      |         |         |           |                   |
| 46 | Yellow colour paint for Background                                                                                                                                                                                                                                                          | Ltr     | 2       | 167.46    | 334.92            |
| 47 | Black colour paint for numbering                                                                                                                                                                                                                                                            | Ltr     | 1       | 299.20    | 299.20            |
| A  | <b>A. Sub total</b>                                                                                                                                                                                                                                                                         |         |         |           | <b>391,291.76</b> |
| B  | <b>B. Stock, Storage &amp; Insurance @ 3% of A</b>                                                                                                                                                                                                                                          |         |         |           | <b>11,738.75</b>  |
| C  | <b>Sub Total (C=A+B)</b>                                                                                                                                                                                                                                                                    |         |         |           | <b>403,030.51</b> |
| D  | <b>T&amp;P @ 2% of C</b>                                                                                                                                                                                                                                                                    |         |         |           | <b>7,225.95</b>   |
| E  | <b>Contingency @ 3% of C</b>                                                                                                                                                                                                                                                                |         |         |           | <b>12,090.92</b>  |
| F  | <b>Transportation @ 7.5% of C</b>                                                                                                                                                                                                                                                           |         |         |           | <b>30,227.29</b>  |
| G  | <b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>                                                                                                                                                                               |         |         |           | <b>11,370.90</b>  |
| H  | <b>Erection Charges @ 20% on PSC Poles</b>                                                                                                                                                                                                                                                  |         |         |           | <b>840.48</b>     |
| I  | <b>Erection Charges @ 10% for other materials</b>                                                                                                                                                                                                                                           |         |         |           | <b>12,967.70</b>  |
| J  | <b>Total</b>                                                                                                                                                                                                                                                                                |         |         |           | <b>477,753.75</b> |
| 48 | Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.                                                                                                                                                                                                                    | Cu. Mtr | 0.9     | 6648.85   | 5,983.97          |
| 49 | Couping Ratio 1:1:5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.                                                                                                                                                                                                       | Cu. Mtr | 0.226   | 6648.85   | 1,502.64          |

|     |                                                                                                                                                                                                                                                                                         |          |       |         |            |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------|------------|
| 50  | PCC ratio 1:3:6(M-10 Grade) For DSS Area (3.5X1.5X0.1)= 0.525 Cu. mtr.                                                                                                                                                                                                                  | Cu. Mtr  | 1.5   | 5247.48 | 7,871.22   |
| 51  | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (M-10 Grade)(900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.                                                                                        | No       | 2     | 2301.53 | 4,603.06   |
| 52  | Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe. | No       | 7     | 3784.73 | 26,493.11  |
| 53  | Laying of 4Cx95 sq.mm LT XLPE cable                                                                                                                                                                                                                                                     | Mtr.     | 55    | 47.87   | 2,632.85   |
| 54  | Supply and Erection of GI fencing with Gate                                                                                                                                                                                                                                             | Sq. Mtr. | 16    | 3682.44 | 58,919.04  |
| 55  | Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)                                                                                                                                                                                                                           | Mtr.     | 16    | 1496.91 | 23,950.56  |
| 56  | Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1500mm) = 0.375Cu.mtr(Per Pole) (For PSC Pole)                                                                                                                                                                                        | Cu. Mtr  | 0.375 | 6648.85 | 2,493.32   |
| 57  | Supply of AL Lugs suitable for 95 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.                                                                                                                  | EA       | 24    | 92.06   | 2,209.44   |
| 58  | Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 50-95sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.                    | EA       | 3     | 690.46  | 2,071.38   |
|     |                                                                                                                                                                                                                                                                                         |          |       |         | 138,730.58 |
|     | Sub total Rs                                                                                                                                                                                                                                                                            |          |       |         | 616,484.33 |
| III | Construction of LT Line using 4C×50 mm <sup>2</sup> (P)+1CX50 mm <sup>2</sup> (M)+1CX16 mm <sup>2</sup> (Street Light) (LT AB Cable)- -0.38 Km.                                                                                                                                         |          |       |         |            |
| 1   | 9 Mtr Long 300 KG PSC Pole                                                                                                                                                                                                                                                              | No       | 11    | 4080.00 | 44,880.00  |
| 2   | LT Stay set Complete                                                                                                                                                                                                                                                                    | Set      | 9     | 707.20  | 6,364.80   |
| 3   | 7/12 SWG GI stay wire, Grade -2                                                                                                                                                                                                                                                         | Kg       | 108   | 102.00  | 11,016.00  |
| 4   | LT stay Clamp ( 1.40Kg/pair)                                                                                                                                                                                                                                                            | Pair     | 9     | 149.60  | 1,346.40   |
| 5   | LT Stay insulator                                                                                                                                                                                                                                                                       | No       | 9     | 40.80   | 367.20     |
|     | LT Accessories with Eye Hook and Clamp                                                                                                                                                                                                                                                  |          |       |         |            |
| 6   | Pole clamp for EYE hook for (XLPE Aerial bunched Cable)                                                                                                                                                                                                                                 | Pair     | 11    | 272.00  | 2,992.00   |
| 7   | EYE hook for XLPE Aerial bunched Cable                                                                                                                                                                                                                                                  | No       | 11    | 81.60   | 897.60     |
| 8   | Dead End Clamp suitable for messenger XLPE Aerial bunched Cable                                                                                                                                                                                                                         | No       | 8     | 88.40   | 707.20     |
| 9   | Suspension Clamp with EYE hook for ABC                                                                                                                                                                                                                                                  | No       | 21    | 462.40  | 9,710.40   |
| 10  | 4C×50 mm <sup>2</sup> (P)+1C×50 mm <sup>2</sup> (M)+1CX50 mm <sup>2</sup> (Street Light) (LT AB Cable)                                                                                                                                                                                  | Mtr      | 399   | 214.00  | 85,386.00  |
| 11  | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                                                                                                                                                          | No       | 14    | 113.08  | 1,583.12   |

|                                                           |                                                                                                                                                                                                                                                                                                                                                            |        |       |         |            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------|------------|
| 12                                                        | Pipe Earthing (each 5th pole to earth)                                                                                                                                                                                                                                                                                                                     | No     | 2     | 1428.00 | 2,856.00   |
| 13                                                        | Coil Earthing                                                                                                                                                                                                                                                                                                                                              | No     | 9     | 225.76  | 2031.84    |
| 14                                                        | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing                                                                                                                                                                                                                                                                     | Kg     | 2.88  | 102     | 293.76     |
| 15                                                        | Danger plate (LT)                                                                                                                                                                                                                                                                                                                                          | Kg     | 11    | 108.8   | 1196.80    |
| 16                                                        | Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)                                                                                                                                                                                                                                                     | Kg     | 3.31  | 102.00  | 337.62     |
| 17                                                        | GI barbed wire anticlimbing device 3 Kg. Per support                                                                                                                                                                                                                                                                                                       | Ltr    | 33    | 108.80  | 3,590.40   |
| 18                                                        | Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)                                                                                                                                                                                                                                              | Kg     | 13.24 | 102.00  | 1,350.48   |
| 19                                                        | GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)                                                                                                                                                                                                                                                                                                   | Kg     | 5.5   | 106.08  | 583.44     |
| 20                                                        | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                                                                                                                                                                                                                                                          | Ltr.   | 22    | 167.46  | 3,684.12   |
| 21                                                        | Black paint (GIS Numbering & Zebra stripping)                                                                                                                                                                                                                                                                                                              | Ltr    | 11    | 299.20  | 3,291.20   |
| A                                                         | TOTAL MATERIAL COST                                                                                                                                                                                                                                                                                                                                        |        |       |         | 184,466.38 |
| B                                                         | Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                                                                       |        |       |         | 5,533.99   |
| C                                                         | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                          |        |       |         | 190,000.37 |
| D                                                         | Contingency @3% of C                                                                                                                                                                                                                                                                                                                                       |        |       |         | 5,700.01   |
| E                                                         | T & P 2% of C                                                                                                                                                                                                                                                                                                                                              |        |       |         | 3,347.83   |
| F                                                         | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                 |        |       |         | 14,250.03  |
| G                                                         | Erection Charges for PSC Pole @ 20%                                                                                                                                                                                                                                                                                                                        |        |       |         | 9,245.20   |
| H                                                         | Erection Charges of DTR and Joist Poles @ 5%                                                                                                                                                                                                                                                                                                               |        |       |         |            |
| I                                                         | Erection Charges of other @ 10%                                                                                                                                                                                                                                                                                                                            |        |       |         | 12,116.52  |
| J                                                         | Sub Total Rs.                                                                                                                                                                                                                                                                                                                                              |        |       |         | 234,659.96 |
| Civil and Services Works (As per Technical Specification) |                                                                                                                                                                                                                                                                                                                                                            |        |       |         |            |
| 22                                                        | Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm) | No     | 9     | 2301.53 | 20713.77   |
| 23                                                        | Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr                                                                                                                                                                                                                                                                                                | Cu.Mtr | 4.125 | 6648.85 | 27,426.51  |
| 24                                                        | Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.                                                                    | No     | 2     | 3784.73 | 7,569.46   |
| K                                                         | Total Services Cost                                                                                                                                                                                                                                                                                                                                        |        |       |         | 55,709.74  |
|                                                           | Total Material + Services Cost (J+K)                                                                                                                                                                                                                                                                                                                       |        |       |         | 290,369.70 |

|                                                                             |                                                    |                                      |            |               |                     |
|-----------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|------------|---------------|---------------------|
|                                                                             | <b>DISMANTLING CHARGES</b>                         |                                      |            |               |                     |
| <b>1</b>                                                                    | <b>Dismantling PSC/Joist Pole</b>                  | <b>No</b>                            | <b>8</b>   | <b>920.61</b> | <b>7,364.88</b>     |
| <b>2</b>                                                                    | <b>Dismantling /Removal of V cross Arm</b>         | <b>No</b>                            | <b>4</b>   | <b>42.35</b>  | <b>169.40</b>       |
| <b>3</b>                                                                    | <b>Dismantling of 11 Kv Pin insulator with Pin</b> | <b>No</b>                            | <b>12</b>  | <b>8.29</b>   | <b>99.48</b>        |
| <b>4</b>                                                                    | <b>Dismantling of 55 sq. mm ACSR conductor</b>     | <b>Mtr.</b>                          | <b>750</b> | <b>6.44</b>   | <b>4,830.00</b>     |
| <b>5</b>                                                                    | <b>Dismantling of LT AB Cable</b>                  | <b>Mtr.</b>                          | <b>160</b> | <b>23.02</b>  | <b>3,683.20</b>     |
|                                                                             | <b>Total Rs.</b>                                   |                                      |            |               | <b>16,146.96</b>    |
|                                                                             | <b>Sub Total Rs.</b>                               |                                      |            |               | <b>1,752,007.51</b> |
|                                                                             | <b>Cess @1%</b>                                    |                                      |            |               | <b>17,520.08</b>    |
|                                                                             | Total Estimated Cost                               |                                      |            |               | <b>1,769,527.59</b> |
|                                                                             | Total Estimated Cost in Figures                    |                                      |            |               | <b>1,769,528.00</b> |
| EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) |                                                    | In Figure _____ %<br>In word _____ % |            |               |                     |
| 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/-**  
**Dy. Manager (Elect)**

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