

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
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**[Electrical Division]**  
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**PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB**

**NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF 33 K.V, 11 K.V & L.T LINE AT THE SITE OF CONSTRUCTION OF ATAL BUS STAND (C-TYPE) AT KAUGUDA UNDER PADMAPUR BLOCK IN THE DISTRICT OF RAYAGADA.**

**BID REF NO.- 43/PM/ELECT/OPHWC/2026-27**

| NAME & ADDRESS OF THE FIRM |                                                                                                                                                                                                                     |      |        |                       |               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------|---------------|
| SCHEDULE OF WORKS          |                                                                                                                                                                                                                     |      |        |                       |               |
| Sl. No.                    | Description of work                                                                                                                                                                                                 | Unit | Qty.   | Estimated Cost in Rs. |               |
|                            |                                                                                                                                                                                                                     |      |        | RATE IN RS.           | AMOUNT IN RS. |
| I                          | Construction of 3 Ph 3W 33 KV Line with 100 sq. mm insulated AAAC=0.45 Km with 10 Nos. Strut Pole and Replacement of 10 Mtr. PSC Pole with 13 Mtr. Long for maintaining adecuete clearance for crossing 11 KV Line. |      |        |                       |               |
| 1                          | 13 Mtr Long (160x152) mm WPB Pole (30.44 Kg/mtr) for support (395.72 KG each) GI                                                                                                                                    | No   | 15     | 32110.34              | 481655.08     |
| 2                          | 13 Mtr Long (160x152) mm WPB Pole (30.44 Kg/mtr) for support (395.72 KG each) GI for strut pole                                                                                                                     | No   | 10     | 32110.34              | 321103.39     |
| 3                          | H.T. Stay Clamp /stud                                                                                                                                                                                               | Pair | 20     | 260.00                | 5200.00       |
| 4                          | 100x50x6 mm, 1.8 Mtr long 4Nos for each CP (@9.2kg/mtr)                                                                                                                                                             | Kg   | 331.2  | 78.00                 | 25833.60      |
| 5                          | 33 KV V Cross arm (22Kg) GI                                                                                                                                                                                         | No   | 10     | 1701.00               | 17010.00      |
| 6                          | 33KV F clamp GI                                                                                                                                                                                                     | No   | 10     | 243.00                | 2430.00       |
| 7                          | Back clamp for 33KV V Cross arm GI                                                                                                                                                                                  | no   | 10     | 140.00                | 1400.00       |
| 8                          | 33KV 10KN Pin insulator Polymer                                                                                                                                                                                     | No   | 45     | 398.00                | 17910.00      |
| 9                          | Non Metallic Ties 33KV (For covered conductor)                                                                                                                                                                      | Kg   | 45     | 120.00                | 5400.00       |
| 10                         | 33KV Disc insulator (B&S) 90KN Polymer                                                                                                                                                                              | No   | 30     | 289.00                | 8670.00       |
| 11                         | Hard Ware Fitting (B& S) 90KN , 4 bolt                                                                                                                                                                              | No   | 30     | 630.93                | 18927.97      |
| 12                         | Fish Plate 50x6mm,2.36Kg/mtr each .0.280mtr Length. 12 nos                                                                                                                                                          | No   | 13.22  | 72.00                 | 951.84        |
| 13                         | IPC for 99/100sq.mm. AAA conductor (for covered conductor) 33KV                                                                                                                                                     | No   | 30     | 900.00                | 27000.00      |
| 14                         | Tension Assembly Wedge Type with Anchoring Clamp for 33 KV 100 sqmm covered Conductor.                                                                                                                              | No   | 30     | 1000.00               | 30000.00      |
| 15                         | 100mm2 AAA Insulated Covered Conductor.                                                                                                                                                                             | Km   | 1.3905 | 149000.00             | 207184.50     |
| 16                         | 33KV danger Plate                                                                                                                                                                                                   | No   | 15     | 180.00                | 2700.00       |
| 17                         | Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp                                                                                                                     | Kg   | 4.5135 | 72.00                 | 324.97        |
| 18                         | GI barbed wire anticlimbing device 3Kg per Support                                                                                                                                                                  | Kg   | 45     | 74.00                 | 3330.00       |
| 19                         | Back clamp for Barbed wire anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos.                                                                                                        | Kg   | 18.05  | 72.00                 | 1299.60       |
| 20                         | Earthing Support (Coil Type)                                                                                                                                                                                        | No   | 15     | 164.00                | 2460.00       |
| 21                         | No-8 GI wire (dia-4.6mm) 0.131Kg/mtr, 2mtr for connecting pole with coil earthing.                                                                                                                                  | Kg   | 3.93   | 74.00                 | 290.82        |

|           |                                                                                                                                                                                   |      |        |          |                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------|---------------------|
| 22        | GI Nut, Bolt & washer                                                                                                                                                             | Kg   | 35     | 74.00    | 2590.00             |
| 23        | Black Paint                                                                                                                                                                       | Ltr  | 7.5    | 212.77   | 1595.78             |
| 24        | Yellow Colour paint for back ground                                                                                                                                               | Ltr  | 15     | 212.77   | 3191.55             |
| 25        | Saundries                                                                                                                                                                         | No.  | 1      | 1694.92  | 1694.92             |
|           | <b>TOTAL MATERIAL COST</b>                                                                                                                                                        |      |        |          | <b>11,90,154.02</b> |
| <b>II</b> | <b>Construction of 33 KV 4Pole structure at Tapping Point</b>                                                                                                                     |      |        |          |                     |
| 26        | 13 Mtr Long (160x152) mm WPB Pole (30.44 Kg/mtr) for support (10.74 KG each)                                                                                                      | No   | 4      | 32110.34 | 128441.36           |
| 27        | Top pressure channel 100x50x6mm 3.5mtr long 8nos for Top channel (9.2kg/mtr)                                                                                                      | Kg   | 257.6  | 78.00    | 20092.80            |
| 28        | Bus bar mounting Channel GI (100x50x6mm) 3.5 mtr long (9.2Kg/mtr)                                                                                                                 | Kg   | 257.6  | 78.00    | 20092.80            |
| 29        | GI Channel 75x40x6 mm 3.5 mtr long 8Nos for cross bracing of DPs @ 4.5Kg/mtr.                                                                                                     | Kg   | 190.4  | 78.00    | 14851.20            |
| 30        | GI Angle 50x50x6mm 4.5mtr long 8nos for cross bracing of DPs @ 4.5Kg/mtr                                                                                                          | Kg   | 162    | 69.00    | 11178.00            |
| 31        | GI Nut, Bolt & washer                                                                                                                                                             | Kg   | 50     | 74.00    | 3700.00             |
| 32        | 33KV Disc insulator (B&S) 90KN Polymer                                                                                                                                            | No   | 18     | 289.00   | 5202.00             |
| 33        | Hard Ware Fitting (B& S) 90KN , 4 bolt                                                                                                                                            | No   | 18     | 631.00   | 11358.00            |
| 34        | Wedge Connector for 100 sqmm Conductor                                                                                                                                            | No   | 12     | 138.00   | 1656.00             |
| 35        | IPC for 99/100sq.mm. AAA conductor (for covered conductor) 33KV                                                                                                                   | No   | 6      | 900.00   | 5400.00             |
| 36        | Tension Assembly Wedge Type with Anchoring Clamp for 33 KV 100 sqmm covered Conductor.                                                                                            | No   | 6      | 1000.00  | 6000.00             |
| 37        | 100mm <sup>2</sup> AAA Insulated Covered Conductor.                                                                                                                               | Km   | 0.15   | 78410.00 | 11761.50            |
| 38        | H.T. Stay set complete                                                                                                                                                            | Kg   | 8      | 1434.00  | 11472.00            |
| 39        | H.T. Stay insulator                                                                                                                                                               | No   | 16     | 87.00    | 1392.00             |
| 40        | H.T. Stay Clamp                                                                                                                                                                   | Pair | 8      | 260.00   | 2080.00             |
| 41        | 7/8 SWG GI Wire                                                                                                                                                                   | Kg   | 96     | 75.00    | 7200.00             |
| 42        | Lightning Arrester (30 Kv, 10KA) station class, Class-II without surge counter.                                                                                                   | No   | 6      | 4443.00  | 26658.00            |
| 43        | GI barbed wire anticlimbing device 3Kg per Support                                                                                                                                | Kg   | 12     | 74.00    | 888.00              |
| 44        | Back clamp for Barbed wire anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos.                                                                      | Kg   | 4.81   | 72.00    | 346.64              |
| 45        | Earthing Support (Coil Type)                                                                                                                                                      | No   | 4      | 164.00   | 656.00              |
| 46        | No-8 GI wire (dia-4.6mm) 0.131Kg/mtr, 2mtr for connecting pole with coil earthing.                                                                                                | Kg   | 1.05   | 74.00    | 77.70               |
| 47        | Danger Plate                                                                                                                                                                      | No   | 4      | 180.00   | 720.00              |
| 48        | Back clamp for danger Plate GI Flat 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. 1 nos per pole (HT) and 2nos per pole (LT)                                                             | Kg   | 1.2036 | 72.00    | 86.66               |
| 49        | 40mm nominal bore GI pipe (medium guage) earthing device with 3 mtr long.                                                                                                         | No   | 3      | 1300.00  | 3900.00             |
| 50        | GI Flat (50x6) mm                                                                                                                                                                 | Kg   | 45     | 72.00    | 3240.00             |
| 51        | Black Paint                                                                                                                                                                       | Ltr  | 2      | 212.77   | 425.54              |
| 52        | Yellow Colour paints for back ground                                                                                                                                              | Ltr  | 4      | 212.77   | 851.08              |
| 53        | Sundries                                                                                                                                                                          | Ls   | 1      | 1000.00  | 1000.00             |
|           |                                                                                                                                                                                   |      |        |          | <b>300727.28</b>    |
|           | <b>Construction of 3 Ph 3 W 33 KV with 2 span road crossing guarding-0.2 KmReplacement of 9 mtr. PSC Pole to 11 Mtr. WPB Pole and conversion of Pin point to cut point-2 Nos.</b> |      |        |          |                     |
| 54        | 13 Mtr Long (160x152) mm WPB Pole (30.44 Kg/mtr) for support (395.72 KG each) GI                                                                                                  | No   | 4      | 32110.34 | 128441.36           |
| 55        | 11 Mtr Long (160x152) mm WPB Pole (30.44 Kg/mtr) for support (395.72 KG each) GI                                                                                                  | No   | 2      | 27300.82 | 54601.64            |
| 56        | GI 11 KV V Cross Arm (10.2kg each)                                                                                                                                                | No   | 4      | 851.00   | 3404.00             |

|    |                                                                                                                       |      |        |           |                  |
|----|-----------------------------------------------------------------------------------------------------------------------|------|--------|-----------|------------------|
| 57 | GI F clamp (Pole top Bracket) (2.9kg each)                                                                            | No   | 4      | 135.00    | 540.00           |
| 58 | GI Back clamp for vV Cross Arm (11KV) (0.8kg each)                                                                    | No   | 4      | 140.00    | 560.00           |
| 59 | 100x50x6mm, GI Channel St Cross arm 1.45 Mtr @9.2Kg/mtr including top piece.                                          | Kg   | 106.72 | 78.00     | 8324.16          |
| 60 | 11 KV Disc Insulator 70 KN Polymer                                                                                    | No   | 12     | 150.00    | 1800.00          |
| 61 | 11KV Hard Ware Fitting 70KN Polymer                                                                                   | No   | 12     | 412.00    | 4944.00          |
| 62 | IPC for 99/100sq.mm. AAA conductor (for covered conductor) 11KV                                                       | No   | 24     | 550.00    | 13200.00         |
| 63 | Tension Assembly Wedge Type with Anchoring Clamp for 11 KV 100 sqmm covered Conductor.                                | No   | 24     | 880.00    | 21120.00         |
| 64 | 11 KV Pin insulator 5KN                                                                                               | No   | 18     | 140.00    | 2520.00          |
| 65 | Non Metallic Ties 11KV (For covered conductor)                                                                        | Kg   | 24     | 110.00    | 2640.00          |
| 66 | H.T. Stay set complete                                                                                                | No   | 4      | 1434.00   | 5736.00          |
| 67 | H.T. Stay insulator                                                                                                   | No   | 4      | 87.00     | 348.00           |
| 68 | H.T. Stay Clamp                                                                                                       | Pair | 4      | 260.00    | 1040.00          |
| 69 | 7/10 SWG GI Wire                                                                                                      | Kg   | 40     | 77.00     | 3080.00          |
| 70 | Earthing Support (Coil Type)                                                                                          | No   | 6      | 164.00    | 984.00           |
| 71 | No-8 GI wire (dia-4.6mm) 0.131Kg/mtr, 2mtr for connecting pole with coil earthing.                                    | Kg   | 1.57   | 74.00     | 116.18           |
| 72 | 100mm2 AAA Insulated Covered Conductor.11KV                                                                           | Km   | 0.63   | 111016.95 | 69940.68         |
| 73 | No 6 GI wire for Guarding=2nos                                                                                        | Kg   | 60     | 74.00     | 4440.00          |
| 74 | 100x50x6mm, GI Channel St Cross arm (2.2mmx4 pcs) @9.2Kg/mtr for Guarding=2nos                                        | Kg   | 161.92 | 78.00     | 12629.76         |
| 75 | GI Pipe Earthing 40mm Dia medium gauge 03mtr long for for road cross guarding =02 Nos                                 | No   | 4      | 1300.00   | 5200.00          |
| 76 | GI Flat (25x6mm) for earthing of Guarding both side                                                                   | Kg   | 40     | 72.00     | 2880.00          |
| 77 | Danger Plate                                                                                                          | No   | 6      | 180.00    | 1080.00          |
| 78 | Back clamp for danger Plate GI Flat 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. 1 nos per pole (HT) and 2nos per pole (LT) | Kg   | 1.81   | 72.00     | 130.32           |
| 79 | GI 2ply,2.5 mm dia barberd wire for anticlimbing device.                                                              | Kg   | 18     | 74.00     | 1332.00          |
| 80 | Back clamp for Barbed wire anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos.          | Kg   | 7.22   | 72.00     | 519.84           |
| 81 | GI Nut, Bolt & washer                                                                                                 | Kg   | 12     | 74.00     | 888.00           |
| 82 | Black Paint                                                                                                           | Ltr  | 3      | 212.77    | 638.31           |
| 83 | Yellow Colour paints for back ground                                                                                  | Ltr  | 6      | 212.77    | 1276.63          |
| 84 | Sundries                                                                                                              | Ls   | 1      | 847.46    | 847.46           |
|    |                                                                                                                       |      |        |           | <b>355202.34</b> |
|    | <b>Erection of 3Ph 6W LT Line=0.4 Km</b>                                                                              |      |        |           |                  |
| 85 | 8mtr long 200 KG PSC Pole                                                                                             | No   | 11     | 2390.00   | 26290.00         |
| 86 | RCC base Plate                                                                                                        | No   | 11     | 361.34    | 3974.73          |
| 87 | AB cable (2x35+1x25) Sq.mm.                                                                                           | Km   | 0.42   | 8400.00   | 3528.00          |
| 88 | L.T. Stay set complete                                                                                                | No   | 10     | 1434.00   | 14340.00         |
| 89 | L.T. Stay insulator                                                                                                   | No   | 10     | 19.00     | 190.00           |
| 90 | L.T. Stay Clamp                                                                                                       | Pair | 10     | 350.00    | 3500.00          |
| 91 | 7/12 SWG GI Wire                                                                                                      | Kg   | 80     | 79.00     | 6320.00          |
| 92 | Suspension Clamp withnEye Hook                                                                                        | No   | 5      | 140.00    | 700.00           |

|          |                                                                                                             |      |           |          |                     |
|----------|-------------------------------------------------------------------------------------------------------------|------|-----------|----------|---------------------|
| 93       | Dead End Clamp with Eye Hook suitable for XLPE Cable.                                                       | No   | 11        | 217.00   | 2387.00             |
| 94       | Pole Clamp for Eye Hook (for AB cable)                                                                      | Pair | 16        | 240.00   | 3840.00             |
| 95       | Piercing Connector                                                                                          | No   | 4         | 58.52    | 234.07              |
| 96       | Neutral Connector                                                                                           | No   | 2         | 58.52    | 117.03              |
| 97       | Earthing Support (Coil Type)                                                                                | No   | 11        | 164.00   | 1804.00             |
| 98       | No-8 GI wire (dia-4.6mm) 0.131Kg/mtr, 2mtr for connecting pole with coil earthing.                          | Kg   | 2.8820431 | 74.00    | 213.27              |
| 99       | Danger Plate                                                                                                | No   | 11        | 180.00   | 1980.00             |
| 100      | Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp             | Kg   | 3.31      | 72.00    | 238.32              |
| 101      | GI 2ply,2.5 mm dia barbed wire for antilimbing device.                                                      | Kg   | 33        | 74.00    | 2442.00             |
| 102      | Back clamp for Barbed wire antilimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos. | Kg   | 13.24     | 72.00    | 953.28              |
| 103      | GI Nut, Bolt & washer                                                                                       | Kg   | 8         | 74.00    | 592.00              |
| 104      | Black Paint                                                                                                 | Ltr  | 5.5       | 212.77   | 1170.24             |
| 105      | Yellow Colour paint for back ground                                                                         | ltr  | 11        | 212.77   | 2340.48             |
| 106      | Sundries                                                                                                    | Ls   | 1         | 847.46   | 847.46              |
|          |                                                                                                             |      |           |          | <b>78001.88</b>     |
| <b>A</b> | <b>TOTAL MATERIAL COST</b>                                                                                  |      |           |          | <b>19,24,085.51</b> |
| <b>B</b> | <b>Stock, Storage &amp; Insurance @ 3% of A</b>                                                             |      |           |          | <b>57,722.57</b>    |
| <b>C</b> | <b>Sub Total (C=A+B)</b>                                                                                    |      |           |          | <b>19,81,808.08</b> |
| <b>D</b> | <b>Contingency @3% of C</b>                                                                                 |      |           |          | <b>59,454.24</b>    |
| <b>E</b> | <b>T &amp; P 2% of C</b>                                                                                    |      |           |          | <b>39,636.16</b>    |
| <b>F</b> | <b>Transportation @ 7.5% of C</b>                                                                           |      |           |          | <b>1,48,635.61</b>  |
| <b>G</b> | <b>Erection Charges for PSC Pole @ 20%</b>                                                                  |      |           |          | <b>5,415.74</b>     |
| <b>H</b> | <b>Erection Charges of DTR and Joist Poles&amp; T/F @ 5%</b>                                                |      |           |          | <b>57,383.51</b>    |
| <b>I</b> | <b>Erection Charges of other @ 10%</b>                                                                      |      |           |          | <b>80,705.93</b>    |
| <b>J</b> | <b>Sub Total Rs.</b>                                                                                        |      |           |          | <b>23,73,039.26</b> |
|          | <b>Civil Part</b>                                                                                           |      |           |          |                     |
| 107      | Stay concreting in ratio C.C ,1:2:4 as per TPSODL Drawing and specification =0.2Cum                         | Nos. | 32        | 1300.00  | 41600.00            |
| 108      | Concreting of Pole in ratio 1:1:5:3 for 13 mtr WPB Pole                                                     | Nos. | 23        | 3656.87  | 84108.08            |
| 109      | Concreting of 11 Mtr WPB Poles in ratio 1:1:5:3 =0.45 cum@6648.85 =0.450x6648.85=Rs 2493.32                 | Nos. | 2         | 2991.98  | 5983.97             |
| 110      | Couping of 9 Mtr/ 8mtr PSC PoleS in ratio 1:1:5:3 =0.415 Cum@6648.85=0.375x6648.85= Rs 2193.32              | Nos. | 11        | 2493.32  | 27426.54            |
| 111      | Couping of Pole in ratio 1:1:5:3 =0.1125 cum @6648.85=0.1125x6648.85=Rs 748.00                              | Nos. | 36        | 748.00   | 26928.00            |
| 112      | Material for earthing including masonry work for earth pit, salt, charcoal and RCC cover.                   | No   | 7         | 1600.00  | 11200.00            |
| 113      | Survey of incremental/delta network and asset changes of 33 KV network and updation in GESW database.       | Km   | 0.45      | 9,633.00 | 4334.85             |
| 114      | Survey of incremental/delta network and asset changes of 11 KV network and updation in GESW database.       | Km   | 0.2       | 9,633.00 | 1926.60             |

|                                 |                                                                                                    |                                                       |       |          |                       |
|---------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------|----------|-----------------------|
| 115                             | Survey of incremental/delta network and asset changes of LT network and updation in GESW database. | Km                                                    | 0.4   | 9,633.00 | 3853.20               |
|                                 |                                                                                                    |                                                       |       |          | <b>207361.23</b>      |
|                                 | <b>Dismantling</b>                                                                                 |                                                       |       |          |                       |
| 116                             | Dismantling of 60-100 sqmm AAA Conductor                                                           | Mtr                                                   | 0.865 | 9.20     | 7.96                  |
| 117                             | Dismantling of Steel Structure                                                                     | Kg                                                    | 200   | 6.00     | 1200.00               |
| 118                             | Dismantling of PSC pole 10 mtr                                                                     | No.                                                   | 1     | 1309.24  | 1309.24               |
| 119                             | Dismantling of PSC Pole 8/9 mtr                                                                    | No.                                                   | 7     | 950.00   | 6650.00               |
| 120                             | Dismantle LT AB cable with accessories                                                             | Mtr                                                   | 150   | 23.01    | 3451.50               |
|                                 |                                                                                                    |                                                       |       |          | <b>12618.70</b>       |
|                                 | <b>Sub Total Rs.</b>                                                                               |                                                       |       |          | <b>₹ 25,93,019.19</b> |
|                                 | <b>Cess @ 1%</b>                                                                                   |                                                       |       |          | <b>₹ 25,930.19</b>    |
|                                 | <b>Total Estimated Cost</b>                                                                        |                                                       |       |          | <b>₹ 26,18,949.39</b> |
|                                 | <b>Total Estimated Cost in Figures</b>                                                             |                                                       |       |          | <b>₹ 26,18,949.00</b> |
| EXCESS <input type="checkbox"/> | LESS <input type="checkbox"/> (Please Tick)                                                        | <b>In Figure _____ %</b><br><br><b>In word _____%</b> |       |          |                       |
| 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)**