

**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 :- 02 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO  
“VIDYARTHI BHAWAN” AT OUAT, BHUBANESWAR IN THE DISTRICT OF KHURDA.****BID REF NO :- 22/PM/ELECT/OPHWC/2025-26****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. |
|         | PART-A                                                                                                                |      |          |                       |               |
| I       | CONSTRUCTION OF 11 KV LINE .                                                                                          |      |          |                       |               |
| A       | 11 KV CUT POINT WITH 90 DEGREE ANGLE                                                                                  |      |          |                       |               |
| 1       | WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)                                                                      | No   | 1        | 36804.27              | 36804.27      |
| 2       | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)     | Kg   | 45.888   | 106.50                | 4887.07       |
| 3       | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required                                           | Kg   | 10.5728  | 106.50                | 1126.00       |
| 4       | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306) | Kg   | 11.70144 | 106.50                | 1246.20       |
| 5       | Danger plate                                                                                                          | No   | 1        | 113.60                | 113.60        |
| 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   | 0.3009   | 106.50                | 32.05         |
| 7       | GI barbed wire/Anticlimbing device                                                                                    | No   | 3        | 113.60                | 340.80        |
| 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   | 1.2036   | 106.50                | 128.18        |
| 9       | 11 KV pin insulator polymer                                                                                           | Set  | 4        | 284.00                | 1136.00       |
| 10      | H W fitting(B&S) 70KN, 3Bolt                                                                                          | No.  | 6        | 497.00                | 2982.00       |
| 11      | Disc insulator (B&S) 70 KN polymer                                                                                    | No.  | 6        | 1633.00               | 9798.00       |
| 12      | Earthing of Support ( Coil Type )                                                                                     | No   | 1        | 235.72                | 235.72        |
| 13      | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing                                 | Kg   | 0.262    | 106.50                | 27.90         |
| 14      | Non metallic ties -11 KV 55 sq. mm AAAC                                                                               | No   | 4        | 251.00                | 1004.00       |
| 15      | IPC for 55 sq. mm AAAC(For covered conductor)                                                                         | No   | 6        | 550.00                | 3300.00       |
| 16      | Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)                      | No   | 2        | 332.00                | 664.00        |
| 17      | H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required ( 1 Pair)                    | EA   | 2        | 177.50                | 355.00        |

|    |                                                                                                                                                                                                                                                                                                                                                                                                       |      |        |          |           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------|-----------|
| 18 | H.T. Stay set (Complete )                                                                                                                                                                                                                                                                                                                                                                             | SET  | 2      | 1491.00  | 2982.00   |
| 19 | H.T. Stay Insulator Type-C                                                                                                                                                                                                                                                                                                                                                                            | EA   | 2      | 71.00    | 142.00    |
| 20 | 7/10 SWG Stay Wire 15kg /stay                                                                                                                                                                                                                                                                                                                                                                         | KG   | 30     | 106.50   | 3195.00   |
| 21 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )                                                                                                                                                                                                                                                                                                                                   | Kg   | 7.433  | 110.76   | 823.28    |
| 22 | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                                                                                                                                                                                                                                                                                                     | Ltr  | 2      | 216.00   | 432.00    |
| 23 | Black paint (GIS Numbering & Zebra stripping)                                                                                                                                                                                                                                                                                                                                                         | Ltr  | 0.5    | 312.40   | 156.20    |
| A  | A. Sub total                                                                                                                                                                                                                                                                                                                                                                                          |      |        |          | 71,911.28 |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                                                                                                               |      |        |          | 2,157.34  |
| C  | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                                                                     |      |        |          | 74,068.62 |
| D  | T&P @ 2% of C                                                                                                                                                                                                                                                                                                                                                                                         |      |        |          | 1343.89   |
| E  | Contingency @ 3% of C                                                                                                                                                                                                                                                                                                                                                                                 |      |        |          | 2,222.06  |
| F  | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                                                            |      |        |          | 5,555.15  |
|    | Erection Charges @ 5% on poles                                                                                                                                                                                                                                                                                                                                                                        |      |        |          | 1,895.42  |
| G  | Erection Charges @ 10%                                                                                                                                                                                                                                                                                                                                                                                |      |        |          | 2,928.60  |
| H  | Total                                                                                                                                                                                                                                                                                                                                                                                                 |      |        |          | 88,013.73 |
| 24 | Fixing of complete 11KV line Complete stay set includes<br>1) Turn Buckle Assembly<br>2) Stay Rod & Stay plate<br>3) Stay Insulator<br>4) Stay Wire.<br>5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size ( 500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard. | No   | 2      | 2301.53  | 4,603.06  |
| 25 | Concreting ratio 1:1.5:3(M-20 Grade)<br>(500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)                                                                                                                                                                                                                                                                                                                   | Cum  | 0.45   | 6648.85  | 2,991.98  |
| 26 | Couping ratio 1:1.5:3(M-20 Grade) with dimension<br>(500X500X450)= 0.1125 Cu mtr(Per Pole)                                                                                                                                                                                                                                                                                                            | Cum  | 0.1125 | 6648.85  | 748.00    |
|    | Total Material + Services Cost (J+K)                                                                                                                                                                                                                                                                                                                                                                  |      |        |          | 96,356.77 |
| B  | 11 KV PIN POINTS WITH WPB                                                                                                                                                                                                                                                                                                                                                                             |      |        |          |           |
| 1  | 55 sq. mm AAAC XLPE covered conductor                                                                                                                                                                                                                                                                                                                                                                 | Mtr. | 61.80  | 99.74    | 6163.93   |
| A  | A. Sub total                                                                                                                                                                                                                                                                                                                                                                                          |      |        |          | 6,163.93  |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                                                                                                               |      |        |          | 184.92    |
| C  | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                                                                     |      |        |          | 6,348.85  |
| D  | T&P @ 2% of C                                                                                                                                                                                                                                                                                                                                                                                         |      |        |          | 126.98    |
| E  | Contingency @ 3% of C                                                                                                                                                                                                                                                                                                                                                                                 |      |        |          | 190.47    |
| F  | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                                                            |      |        |          | 476.16    |
|    | Erection Charges @ 5% on poles                                                                                                                                                                                                                                                                                                                                                                        |      |        |          |           |
| G  | Erection Charges @ 10%                                                                                                                                                                                                                                                                                                                                                                                |      |        |          | 634.88    |
| H  | Total                                                                                                                                                                                                                                                                                                                                                                                                 |      |        |          | 7,777.34  |
| II | INSTALLATION OF 500 KVA S/S.                                                                                                                                                                                                                                                                                                                                                                          |      |        |          |           |
| 1  | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)                                                                                                                                                                                                                                                                                                                                                       | No   | 2      | 36804.27 | 73608.54  |

|    |                                                                                                                                                          |      |        |            |            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------|------------|
| 2  | Pole Clamp for Eye Hook for XLPE Aerial bunched cable                                                                                                    | Pair | 4      | 284.00     | 1,136.00   |
| 3  | Eye Hook for XLPE Aerial Bunched Cable                                                                                                                   | No   | 4      | 85.20      | 340.80     |
| 4  | Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)                                                                               | No   | 4      | 92.30      | 369.20     |
| 5  | LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)                             | Kg   | 42.84  | 106.50     | 4,562.46   |
| 6  | Top Channel 100X50X6mm(3000 mm Long), 9.56 KG/Mtr., 2 Nos.                                                                                               | Kg   | 57.36  | 106.50     | 6108.84    |
| 7  | Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required                                                                                        | Kg   | 3.9648 | 106.50     | 422.25     |
| 8  | MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)                                                                                    | Kg   | 42.84  | 106.50     | 4562.46    |
| 9  | AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)                                                                    | Kg   | 42.84  | 106.50     | 4562.46    |
| 10 | AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)                                                                  | Kg   | 6.69   | 106.50     | 712.49     |
| 11 | 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  | 106.50     | 608.22     |
| 12 | HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)                                                                  | Kg   | 42.84  | 106.50     | 4562.46    |
| 13 | Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)                                                                 | Kg   | 11.57  | 106.50     | 1232.21    |
| 14 | Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)                                                                                  | Kg   | 11.54  | 106.50     | 1229.01    |
| 15 | Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.                                                                              | Kg   | 42.84  | 106.50     | 4562.46    |
| 16 | 50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.                                                                                 | Kg   | 31.608 | 106.50     | 3366.25    |
| 17 | 50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36 | Kg   | 154.81 | 106.50     | 16487.27   |
| 18 | 500 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II                                                                                                 | No   | 1      | 1225143.46 | 1225143.46 |
| 19 | LT Distrubution Box with MCCB, Aluminim Busbar of 4 Bay with kit kat Fuse for 500 KVA S/S.                                                               | No   | 1      | 102274.67  | 102274.67  |
| 20 | 55 sq. mm AAAC XLPE covered conductor                                                                                                                    | Mtr  | 50     | 99.74      | 4987.00    |
| 21 | 1Cx400 sq. mm LT XLPE cable                                                                                                                              | Mtr  | 180    | 363.08     | 65354.40   |
| 22 | LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)                          | Kg   | 38.24  | 106.50     | 4072.56    |
| 23 | LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)                              | Kg   | 36     | 106.50     | 3834.00    |
| 24 | 1.1 kv 4 core ,150 sq. mm XLPE insulation armoured aluminium UG cable From LT DB to Pole                                                                 | Mtr. | 80     | 805.08     | 64406.40   |
| 25 | 11 KV AB switch (200 Amp, 3 pole)                                                                                                                        | Set  | 1      | 10437.00   | 10437.00   |

|    |                                                                                                                                                                                      |         |        |         |                     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|---------------------|
| 26 | 11 KV HG Fuse (200 Amp, 3 pole)                                                                                                                                                      | Set     | 1      | 8690.00 | 8690.00             |
| 27 | Wedge connector for 55 sq. mm conductor                                                                                                                                              | EA      | 6      | 100.00  | 600.00              |
| 28 | Polycarbonate Bird Guard                                                                                                                                                             | No      | 6      | 29.40   | 176.40              |
| 29 | 11 KV Disc insulator polymer type 70 KN                                                                                                                                              | No      | 3      | 1633.00 | 4899.00             |
| 30 | 11 KV H/W fitting polymer type                                                                                                                                                       | Pair    | 3      | 497.00  | 1491.00             |
| 31 | 11 KV LA (12KV,10 KA)station class-2                                                                                                                                                 | No      | 3      | 5041.00 | 15123.00            |
| 32 | 11 KV Pin Insulator polymer type                                                                                                                                                     | No      | 3      | 284.00  | 852.00              |
| 33 | HT Stay Set (Complete)                                                                                                                                                               | Set     | 2      | 1491.00 | 2982.00             |
| 34 | HT Stay Insulator                                                                                                                                                                    | No.     | 2      | 177.50  | 355.00              |
| 35 | HT Stay Clamp(1.95 K.g/Pair)                                                                                                                                                         | Pair    | 2      | 71.60   | 143.20              |
| 36 | 7/10 SWG Stay Wire                                                                                                                                                                   | KG      | 30     | 106.50  | 3195.00             |
| 37 | GI Pipe for earthing 40mm dia 3mtr long                                                                                                                                              | No      | 7      | 1491.00 | 10437.00            |
| 38 | GI Nut, Bolt & washers of different sizes                                                                                                                                            | Kg      | 25     | 110.76  | 2769.00             |
| 39 | GI barbed wire/Anticlimbing device                                                                                                                                                   | No      | 6      | 113.60  | 681.60              |
| 40 | 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 | 106.50  | 256.37              |
| 41 | Danger plate                                                                                                                                                                         | Kg      | 2      | 113.60  | 227.20              |
| 42 | 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 | 106.50  | 64.09               |
| 43 | Name Plate                                                                                                                                                                           | No      | 1      | 113.60  | 113.60              |
|    | <b>Structure Numbering and marking</b>                                                                                                                                               |         |        |         |                     |
| 44 | Yellow colour paint for Background                                                                                                                                                   | Ltr     | 2      | 216.00  | 432.00              |
| 45 | Black colour paint for numbering                                                                                                                                                     | Ltr     | 1      | 312.40  | 312.40              |
| A  | <b>A. Sub total</b>                                                                                                                                                                  |         |        |         | <b>1,662,742.72</b> |
| B  | <b>B. Stock, Storage &amp; Insurance @ 3% of A</b>                                                                                                                                   |         |        |         | <b>49,882.28</b>    |
| C  | <b>Sub Total (C=A+B)</b>                                                                                                                                                             |         |        |         | <b>1,712,625.00</b> |
| D  | <b>T&amp;P @ 2% of C</b>                                                                                                                                                             |         |        |         | <b>31,226.93</b>    |
| E  | <b>Contingency @ 3% of C</b>                                                                                                                                                         |         |        |         | <b>51,378.75</b>    |
| F  | <b>Transportation @ 7.5% of C</b>                                                                                                                                                    |         |        |         | <b>128,446.87</b>   |
| G  | <b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>                                                                        |         |        |         | <b>66,885.73</b>    |
| H  | <b>Erection Charges @ 20% on PSC Poles</b>                                                                                                                                           |         |        |         |                     |
| I  | <b>Erection Charges @ 10% for other materials</b>                                                                                                                                    |         |        |         | <b>22,363.13</b>    |
| J  | <b>Total</b>                                                                                                                                                                         |         |        |         | <b>2,012,926.41</b> |
| 46 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm) = 0.45 Cu. Mtr.                                                                                                                       | Cum     | 0.9    | 6648.85 | 5,983.97            |
| 47 | Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.                                                                                                            | Cu. Mtr | 0.226  | 6648.85 | 1,502.64            |
| 48 | PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.                                                                                                                 | Cu. Mtr | 1.225  | 5247.48 | 6,428.16            |
| 49 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (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            |

|     |                                                                                                                                                                                                                                                                                         |           |       |          |              |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|----------|--------------|
| 50  | 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    |
| 51  | LT DB Plinth                                                                                                                                                                                                                                                                            | No        | 1     | 6000.00  | 6,000.00     |
| 52  | DTR Plinth upto 1000 KVA                                                                                                                                                                                                                                                                | No        | 1     | 32181.00 | 32,181.00    |
| 53  | Laying of 4Cx150 sq.mm LT XLPE cable                                                                                                                                                                                                                                                    | Mtr.      | 80    | 73.65    | 5,892.00     |
| 54  | Laying of 1Cx400 sq.mm LT XLPE cable                                                                                                                                                                                                                                                    | Mtr.      | 180   | 96.66    | 17,398.80    |
| 55  | Supply and Erection of GI fencing with Gate                                                                                                                                                                                                                                             | Sq. Mtr.  | 20    | 3682.44  | 73,648.80    |
| 56  | Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.                                                                                                                 | No        | 24    | 322.21   | 7,733.04     |
| 57  | Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm 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.                    | No        | 12    | 1227.48  | 14,729.76    |
| 58  | Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.                                                                                                                 | No        | 32    | 156.50   | 5,008.00     |
| 59  | Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5 core 120-185 sq. mm sqmm 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.        | No        | 4     | 920.61   | 3,682.44     |
|     |                                                                                                                                                                                                                                                                                         | Sub Total |       |          | 211,284.78   |
|     |                                                                                                                                                                                                                                                                                         | Total Rs  |       |          | 2,224,211.19 |
| III | LT Line using 4C×95 mm <sup>2</sup> (P)+1CX95 mm <sup>2</sup> (M)+1CX16 mm <sup>2</sup> (Street Light) (LT AB Cable)- -0.15 Km                                                                                                                                                          |           |       |          |              |
| 1   | LT Stay set Complete                                                                                                                                                                                                                                                                    | Set       | 1     | 738.40   | 738.40       |
| 2   | 7/12 SWG GI stay wire, Grade -2                                                                                                                                                                                                                                                         | Kg        | 12    | 106.50   | 1,278.00     |
| 3   | LT stay Clamp ( 1.40Kg/pair)                                                                                                                                                                                                                                                            | Pair      | 1     | 156.20   | 156.20       |
| 4   | LT Stay insulator                                                                                                                                                                                                                                                                       | No        | 1     | 42.60    | 42.60        |
|     | LT Accessories with Eye Hook and Clamp                                                                                                                                                                                                                                                  |           |       |          |              |
| 5   | Pole clamp for EYE hook for (XLPE Aerial bunched Cable)                                                                                                                                                                                                                                 | Pair      | 4     | 284.00   | 1,136.00     |
| 6   | EYE hook for XLPE Aerial bunched Cable                                                                                                                                                                                                                                                  | No        | 2     | 85.20    | 170.40       |
| 7   | Dead End Clamp suitable for messenger XLPE Aerial bunched Cable                                                                                                                                                                                                                         | No        | 2     | 92.30    | 184.60       |
| 8   | Suspension Clamp with EYE hook for ABC                                                                                                                                                                                                                                                  | No        | 2     | 482.80   | 965.60       |
| 9   | 4C×70 mm <sup>2</sup> (P)+1CX70 mm <sup>2</sup> (M)+1CX16 mm <sup>2</sup> (Street Light)(Street Light) (LT AB Cable)                                                                                                                                                                    | Mtr       | 157.5 | 370.02   | 58,278.15    |
| 10  | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                                                                                                                                                          | No        | 1     | 113.08   | 113.08       |
| A   | TOTAL MATERIAL COST                                                                                                                                                                                                                                                                     |           |       |          | 63,063.03    |
| B   | Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                    |           |       |          | 1,891.89     |

|                                                           |                                                                                                                                                                                                                                                                                                                                                            |      |      |         |           |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------|-----------|
| C                                                         | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                          |      |      |         | 64,954.92 |
| D                                                         | Contingency @3% of C                                                                                                                                                                                                                                                                                                                                       |      |      |         | 1,948.65  |
| E                                                         | T & P 2% of C                                                                                                                                                                                                                                                                                                                                              |      |      |         | 1,253.46  |
| F                                                         | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                 |      |      |         | 4,871.62  |
| G                                                         | Erection Charges for PSC Pole @ 20%                                                                                                                                                                                                                                                                                                                        |      |      |         |           |
| H                                                         | Erection Charges of DTR and Joist Poles @ 5%                                                                                                                                                                                                                                                                                                               |      |      |         |           |
| I                                                         | Erection Charges of other @ 10%                                                                                                                                                                                                                                                                                                                            |      |      |         | 6,267.32  |
| J                                                         | Sub Total Rs.                                                                                                                                                                                                                                                                                                                                              |      |      |         | 79,295.97 |
| Civil and Services Works (As per Technical Specification) |                                                                                                                                                                                                                                                                                                                                                            |      |      |         |           |
| 11                                                        | 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   | 1    | 2301.53 | 2301.53   |
| K                                                         | Total Services Cost                                                                                                                                                                                                                                                                                                                                        |      |      |         | 2,301.53  |
|                                                           | Total Material + Services Cost (J+K)                                                                                                                                                                                                                                                                                                                       |      |      |         | 81,597.50 |
| IV                                                        | LT Line using 4C×95 mm² (P)+1CX95 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.10 Km                                                                                                                                                                                                                                                                   |      |      |         |           |
| 1                                                         | 9 Mtr Long 300 KG PSC Pole                                                                                                                                                                                                                                                                                                                                 | No   | 3    | 4260.00 | 12,780.00 |
| 2                                                         | LT Stay set Complete                                                                                                                                                                                                                                                                                                                                       | Set  | 1    | 738.40  | 738.40    |
| 3                                                         | 7/12 SWG GI stay wire, Grade -2                                                                                                                                                                                                                                                                                                                            | Kg   | 12   | 106.50  | 1,278.00  |
| 4                                                         | LT stay Clamp ( 1.40Kg/pair)                                                                                                                                                                                                                                                                                                                               | Pair | 1    | 156.20  | 156.20    |
| 5                                                         | LT Stay insulator                                                                                                                                                                                                                                                                                                                                          | No   | 1    | 42.60   | 42.60     |
|                                                           | LT Accessories with Eye Hook and Clamp                                                                                                                                                                                                                                                                                                                     |      |      |         |           |
| 6                                                         | Pole clamp for EYE hook for (XLPE Aerial bunched Cable)                                                                                                                                                                                                                                                                                                    | Pair | 4    | 284.00  | 1,136.00  |
| 7                                                         | EYE hook for XLPE Aerial bunched Cable                                                                                                                                                                                                                                                                                                                     | No   | 2    | 85.20   | 170.40    |
| 8                                                         | Dead End Clamp suitable for messenger XLPE Aerial bunched Cable                                                                                                                                                                                                                                                                                            | No   | 2    | 92.30   | 184.60    |
| 9                                                         | Suspension Clamp with EYE hook for ABC                                                                                                                                                                                                                                                                                                                     | No   | 2    | 482.80  | 965.60    |
| 10                                                        | 4C×35 mm² (P)+1CX35 mm²(M)+1CX16 mm²(Street Light)(Street Light) (LT AB Cable)                                                                                                                                                                                                                                                                             | Mtr  | 105  | 370.02  | 38,852.10 |
| 11                                                        | Pipe Earthing (each 5th pole to earth)                                                                                                                                                                                                                                                                                                                     | No   | 1    | 1491.00 | 1,491.00  |
| 12                                                        | Coil Earthing                                                                                                                                                                                                                                                                                                                                              | No   | 2    | 235.72  | 471.44    |
| 13                                                        | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing                                                                                                                                                                                                                                                                     | Kg   | 0.8  | 106.5   | 85.20     |
| 14                                                        | Danger plate (LT)                                                                                                                                                                                                                                                                                                                                          | Kg   | 3    | 113.6   | 340.80    |
| 15                                                        | Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)                                                                                                                                                                                                                                                     | Kg   | 0.9  | 106.50  | 95.85     |
| 16                                                        | GI barbed wire anticlimbing device 3 Kg. Per support                                                                                                                                                                                                                                                                                                       | Ltr  | 9    | 113.60  | 1,022.40  |
| 17                                                        | Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)                                                                                                                                                                                                                                              | Kg   | 3.61 | 106.50  | 384.47    |
| 18                                                        | GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)                                                                                                                                                                                                                                                                                                   | Kg   | 1.5  | 110.76  | 166.14    |
| 19                                                        | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                                                                                                                                                                                                                                                          | Ltr. | 6    | 216.00  | 1,296.00  |
| 20                                                        | Black paint (GIS Numbering & Zebra stripping)                                                                                                                                                                                                                                                                                                              | Ltr  | 3    | 312.40  | 937.20    |
| A                                                         | TOTAL MATERIAL COST                                                                                                                                                                                                                                                                                                                                        |      |      |         | 62,594.40 |
| B                                                         | Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                                                                       |      |      |         | 1,877.83  |

|                                                           |                                                                                                                                                                                                                                                                                                                                                            |        |        |          |              |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----------|--------------|
| C                                                         | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                          |        |        |          | 64,472.23    |
| D                                                         | Contingency @3% of C                                                                                                                                                                                                                                                                                                                                       |        |        |          | 1,934.17     |
| E                                                         | T & P 2% of C                                                                                                                                                                                                                                                                                                                                              |        |        |          | 1,213.08     |
| F                                                         | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                 |        |        |          | 4,835.42     |
| G                                                         | Erection Charges for PSC Pole @ 20%                                                                                                                                                                                                                                                                                                                        |        |        |          | 2,632.68     |
| H                                                         | Erection Charges of DTR and Joist Poles @ 5%                                                                                                                                                                                                                                                                                                               |        |        |          |              |
| I                                                         | Erection Charges of other @ 10%                                                                                                                                                                                                                                                                                                                            |        |        |          | 4,749.02     |
| J                                                         | Sub Total Rs.                                                                                                                                                                                                                                                                                                                                              |        |        |          | 79,836.59    |
| Civil and Services Works (As per Technical Specification) |                                                                                                                                                                                                                                                                                                                                                            |        |        |          |              |
| 21                                                        | 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     | 1      | 2301.53  | 2301.53      |
| 22                                                        | Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr                                                                                                                                                                                                                                                                                                | Cu.Mtr | 1.13   | 6648.85  | 7,479.96     |
| 23                                                        | 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     | 1      | 3784.73  | 3,784.73     |
| K                                                         | Total Services Cost                                                                                                                                                                                                                                                                                                                                        |        |        |          | 13,566.22    |
|                                                           | Total Material + Services Cost (J+K)                                                                                                                                                                                                                                                                                                                       |        |        |          | 93,402.81    |
| V                                                         | Dismantling of Line , Pole & S/S                                                                                                                                                                                                                                                                                                                           | Ls     | 1      | 14644.38 | 14,644.38    |
| VI                                                        |                                                                                                                                                                                                                                                                                                                                                            |        |        |          |              |
| 1                                                         | Supply and laying of 70 sq.mm 3.5 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning ,protective covering and refilling the trench etc. as required. (Sl. No-25 sl no- 5.1.2)(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)                                                                           | Mtr    | 150    | 515.4    | 77,310.00    |
| 2                                                         | End termination kit for 70 sq. mm cable                                                                                                                                                                                                                                                                                                                    | No     | 6      | 466      | 2,796.00     |
| 3                                                         | Supply and laying of 95 sq.mm 3.5 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning ,protective covering and refilling the trench etc. as required. (Sl. No-25 sl no- 5.1.2)(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)                                                                           | Mtr    | 100    | 710.43   | 71,043.00    |
| 4                                                         | End termination kit for 95 sq. mm cable                                                                                                                                                                                                                                                                                                                    | No     | 6      | 467.83   | 2,806.98     |
|                                                           | Total Rs.                                                                                                                                                                                                                                                                                                                                                  |        |        |          | 153,955.98   |
|                                                           | Total Estimated Cost (PART-A)                                                                                                                                                                                                                                                                                                                              |        |        |          | 2,671,945.97 |
|                                                           | PART-B                                                                                                                                                                                                                                                                                                                                                     |        |        |          |              |
| I                                                         | CONSTRUCTION OF 11 KV LINE .                                                                                                                                                                                                                                                                                                                               |        |        |          |              |
| A                                                         | 11 KV CUT POINT WITH 90 DEGREE ANGLE                                                                                                                                                                                                                                                                                                                       |        |        |          |              |
| 1                                                         | WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)                                                                                                                                                                                                                                                                                                           | No     | 1      | 36804.27 | 36804.27     |
| 2                                                         | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)                                                                                                                                                                                                                                          | Kg     | 45.888 | 106.50   | 4887.07      |

|    |                                                                                                                                                                                                                                                                                                                                                                                                       |     |          |         |           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|---------|-----------|
| 3  | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required                                                                                                                                                                                                                                                                                                                           | Kg  | 10.5728  | 106.50  | 1126.00   |
| 4  | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)                                                                                                                                                                                                                                                                                 | Kg  | 11.70144 | 106.50  | 1246.20   |
| 5  | Danger plate                                                                                                                                                                                                                                                                                                                                                                                          | No  | 1        | 113.60  | 113.60    |
| 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  | 0.3009   | 106.50  | 32.05     |
| 7  | GI barbed wire/Anticlimbing device                                                                                                                                                                                                                                                                                                                                                                    | No  | 3        | 113.60  | 340.80    |
| 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  | 1.2036   | 106.50  | 128.18    |
| 9  | 11 KV pin insulator polymer                                                                                                                                                                                                                                                                                                                                                                           | Set | 4        | 284.00  | 1136.00   |
| 10 | H W fitting(B&S) 70KN, 3Bolt                                                                                                                                                                                                                                                                                                                                                                          | No. | 6        | 497.00  | 2982.00   |
| 11 | Disc insulator (B&S) 70 KN polymer                                                                                                                                                                                                                                                                                                                                                                    | No. | 6        | 1633.00 | 9798.00   |
| 12 | Earthing of Support ( Coil Type )                                                                                                                                                                                                                                                                                                                                                                     | No  | 1        | 235.72  | 235.72    |
| 13 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing                                                                                                                                                                                                                                                                                                                 | Kg  | 0.262    | 106.50  | 27.90     |
| 14 | Non metallic ties -11 KV 55 sq. mm AAAC                                                                                                                                                                                                                                                                                                                                                               | No  | 4        | 251.00  | 1004.00   |
| 15 | IPC for 55 sq. mm AAAC(For covered conductor)                                                                                                                                                                                                                                                                                                                                                         | No  | 6        | 550.00  | 3300.00   |
| 16 | Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)                                                                                                                                                                                                                                                                                                      | No  | 2        | 332.00  | 664.00    |
| 17 | H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required ( 1 Pair)                                                                                                                                                                                                                                                                                                    | EA  | 2        | 177.50  | 355.00    |
| 18 | H.T. Stay set (Complete )                                                                                                                                                                                                                                                                                                                                                                             | SET | 2        | 1491.00 | 2982.00   |
| 19 | H.T. Stay Insulator Type-C                                                                                                                                                                                                                                                                                                                                                                            | EA  | 2        | 71.00   | 142.00    |
| 20 | 7/10 SWG Stay Wire 15kg /stay                                                                                                                                                                                                                                                                                                                                                                         | KG  | 30       | 106.50  | 3195.00   |
| 21 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )                                                                                                                                                                                                                                                                                                                                   | Kg  | 7.433    | 110.76  | 823.28    |
| 22 | Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background                                                                                                                                                                                                                                                                                                                     | Ltr | 2        | 216.00  | 432.00    |
| 23 | Black paint (GIS Numbering & Zebra stripping)                                                                                                                                                                                                                                                                                                                                                         | Ltr | 0.5      | 312.40  | 156.20    |
| A  | A. Sub total                                                                                                                                                                                                                                                                                                                                                                                          |     |          |         | 71,911.28 |
| B  | B. Stock, Storage & Insurance @ 3% of A                                                                                                                                                                                                                                                                                                                                                               |     |          |         | 2,157.34  |
| C  | Sub Total (C=A+B)                                                                                                                                                                                                                                                                                                                                                                                     |     |          |         | 74,068.62 |
| D  | T&P @ 2% of C                                                                                                                                                                                                                                                                                                                                                                                         |     |          |         | 1343.89   |
| E  | Contingency @ 3% of C                                                                                                                                                                                                                                                                                                                                                                                 |     |          |         | 2,222.06  |
| F  | Transportation @ 7.5% of C                                                                                                                                                                                                                                                                                                                                                                            |     |          |         | 5,555.15  |
|    | Erection Charges @ 5% on poles                                                                                                                                                                                                                                                                                                                                                                        |     |          |         | 1,895.42  |
| G  | Erection Charges @ 10%                                                                                                                                                                                                                                                                                                                                                                                |     |          |         | 2,928.60  |
| H  | Total                                                                                                                                                                                                                                                                                                                                                                                                 |     |          |         | 88,013.73 |
| 24 | Fixing of complete 11KV line Complete stay set includes<br>1) Turn Buckle Assembly<br>2) Stay Rod & Stay plate<br>3) Stay Insulator<br>4) Stay Wire.<br>5)Stay clamps with Nuts & bolts BA will do the excvation including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size ( 500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard. | No  | 2        | 2301.53 | 4,603.06  |

|           |                                                                                                                                 |      |        |          |                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------|------|--------|----------|------------------|
| 25        | Concreting ratio 1:1.5:3(M-20 Grade)<br>(500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)                                             | Cum  | 0.45   | 6648.85  | 2,991.98         |
| 26        | Couping ratio 1:1.5:3(M-20 Grade) with dimension<br>(500X500X450)= 0.1125 Cu mtr(Per Pole)                                      | Cum  | 0.1125 | 6648.85  | 748.00           |
|           | <b>Total Material + Services Cost (J+K)</b>                                                                                     |      |        |          | <b>96,356.77</b> |
| <b>B</b>  | <b>11 KV PIN POINTS WITH WPB</b>                                                                                                |      |        |          |                  |
| 1         | 55 sq. mm AAAC XLPE covered conductor                                                                                           | Mtr. | 61.80  | 99.74    | 6163.93          |
| A         | <b>A. Sub total</b>                                                                                                             |      |        |          | <b>6,163.93</b>  |
| B         | <b>B. Stock, Storage &amp; Insurance @ 3% of A</b>                                                                              |      |        |          | <b>184.92</b>    |
| C         | <b>Sub Total (C=A+B)</b>                                                                                                        |      |        |          | <b>6,348.85</b>  |
| D         | <b>T&amp;P @ 2% of C</b>                                                                                                        |      |        |          | <b>126.98</b>    |
| E         | <b>Contingency @ 3% of C</b>                                                                                                    |      |        |          | <b>190.47</b>    |
| F         | <b>Transportation @ 7.5% of C</b>                                                                                               |      |        |          | <b>476.16</b>    |
|           | <b>Erection Charges @ 5% on poles</b>                                                                                           |      |        |          |                  |
| G         | <b>Erection Charges @ 10%</b>                                                                                                   |      |        |          | <b>634.88</b>    |
| H         | <b>Total</b>                                                                                                                    |      |        |          | <b>7,777.34</b>  |
| <b>II</b> | <b>INSTALLATION OF 250 KVA S/S.</b>                                                                                             |      |        |          |                  |
| 1         | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)                                                                                 | No   | 2      | 36804.27 | 73608.54         |
| 2         | Pole Clamp for Eye Hook for XLPE Aerial bunched cable                                                                           | Pair | 3      | 284.00   | 852.00           |
| 3         | Eye Hook for XLPE Aerial Bunched Cable                                                                                          | No   | 3      | 85.20    | 255.60           |
| 4         | Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)                                                      | No   | 3      | 92.30    | 276.90           |
| 5         | LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.)<br>(Each 6x1.000x7.14= 42.84 Kg) | Kg   | 42.84  | 106.50   | 4,562.46         |
| 6         | Top Channel 100X50X6mm(3000 mm Long), 9.56 KG/Mtr., 2 Nos.                                                                      | Kg   | 57.36  | 106.50   | 6108.84          |
| 7         | Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required                                                               | Kg   | 3.9648 | 106.50   | 422.25           |
| 8         | MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)                                                           | Kg   | 42.84  | 106.50   | 4562.46          |
| 9         | AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)                                           | Kg   | 42.84  | 106.50   | 4562.46          |
| 10        | AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)                                         | Kg   | 6.69   | 106.50   | 712.49           |
| 11        | 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  | 106.50   | 608.22           |
| 12        | HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)                                         | Kg   | 42.84  | 106.50   | 4562.46          |
| 13        | Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)                                        | Kg   | 11.57  | 106.50   | 1232.21          |
| 14        | Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)                                                         | Kg   | 11.54  | 106.50   | 1229.01          |

|    |                                                                                                                                                          |      |        |          |                   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------|-------------------|
| 15 | HT MU mounting channel (GI)100x50x6 mm 9.56 Kg/Mtr., each channel Length 3 Mtr., 2 Nos. channel required                                                 | Kg   | 57.36  | 106.50   | 6108.84           |
| 16 | Double pole Belting Channel 75X40X 4.8mm., 3000 mm Long, 7.14KG/Mtr., 2 Nos.                                                                             | Kg   | 42.84  | 106.50   | 4562.46           |
| 17 | 50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.                                                                                 | Kg   | 31.608 | 106.50   | 3366.25           |
| 18 | 50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36 | Kg   | 154.81 | 106.50   | 16487.27          |
| 19 | LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.                                                               | No   | 1      | 68160.00 | 68160.00          |
| 20 | 55 sq. mm AAAC XLPE covered conductor                                                                                                                    | Mtr  | 50     | 99.74    | 4987.00           |
| 21 | 1Cx400 sq. mm LT XLPE cable                                                                                                                              | Mtr  | 120    | 363.08   | 43569.60          |
| 22 | LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)                          | Kg   | 38.24  | 106.50   | 4072.56           |
| 23 | LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)                              | Kg   | 36     | 106.50   | 3834.00           |
| 24 | 1.1 kv 4 core ,150 sq. mm XLPE insulation armoured aluminium UG cable From LT DB to Pole                                                                 | Mtr. | 60     | 805.08   | 48304.80          |
| 25 | 11 KV AB switch (200 Amp, 3 pole)                                                                                                                        | Set  | 1      | 10437.00 | 10437.00          |
| 26 | 11 KV HG Fuse (200 Amp, 3 pole)                                                                                                                          | Set  | 1      | 8690.00  | 8690.00           |
| 27 | Wedge connector for 55 sq. mm conductor                                                                                                                  | EA   | 6      | 100.00   | 600.00            |
| 28 | Polycarbonate Bird Guard                                                                                                                                 | No   | 6      | 29.40    | 176.40            |
| 29 | 11 KV Disc insulator polymer type 70 KN                                                                                                                  | No   | 3      | 1633.00  | 4899.00           |
| 30 | 11 KV H/W fitting polymer type                                                                                                                           | Pair | 3      | 497.00   | 1491.00           |
| 31 | 11 KV LA (12KV,10 KA)station class-2                                                                                                                     | No   | 3      | 5041.00  | 15123.00          |
| 32 | 11 KV Pin Insulator polymer type                                                                                                                         | No   | 3      | 284.00   | 852.00            |
| 33 | HT Stay Set (Complete)                                                                                                                                   | Set  | 2      | 1491.00  | 2982.00           |
| 34 | HT Stay Insulator                                                                                                                                        | No.  | 2      | 177.50   | 355.00            |
| 35 | HT Stay Clamp(1.95 K.g/Pair)                                                                                                                             | Pair | 2      | 71.60    | 143.20            |
| 36 | 7/10 SWG Stay Wire                                                                                                                                       | KG   | 30     | 106.50   | 3195.00           |
| 37 | GI Pipe for earthing 40mm dia 3mtr long                                                                                                                  | No   | 7      | 1491.00  | 10437.00          |
| 38 | GI Nut, Bolt & washers of different sizes                                                                                                                | Kg   | 25     | 110.76   | 2769.00           |
| 39 | GI barbed wire/Anticlimbing device                                                                                                                       | No   | 6      | 113.60   | 681.60            |
| 40 | 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 | 106.50   | 256.37            |
| 41 | Danger plate                                                                                                                                             | Kg   | 2      | 113.60   | 227.20            |
| 42 | 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 | 106.50   | 64.09             |
| 43 | Name Plate                                                                                                                                               | No   | 1      | 113.60   | 113.60            |
|    | <b>Structure Numbering and marking</b>                                                                                                                   |      |        |          |                   |
| 44 | Yellow colour paint for Background                                                                                                                       | Ltr  | 2      | 216.00   | 432.00            |
| 45 | Black colour paint for numbering                                                                                                                         | Ltr  | 1      | 312.40   | 312.40            |
| A  | <b>A. Sub total</b>                                                                                                                                      |      |        |          | <b>371,245.53</b> |
| B  | <b>B. Stock, Storage &amp; Insurance @ 3% of A</b>                                                                                                       |      |        |          | <b>11,137.37</b>  |

|           |                                                                                                                                                                                                                                                                                                |                 |              |                 |                   |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|-------------------|
| <b>C</b>  | <b>Sub Total (C=A+B)</b>                                                                                                                                                                                                                                                                       |                 |              |                 | <b>382,382.89</b> |
| <b>D</b>  | <b>T&amp;P @ 2% of C</b>                                                                                                                                                                                                                                                                       |                 |              |                 | <b>5,402.55</b>   |
| <b>E</b>  | <b>Contingency @ 3% of C</b>                                                                                                                                                                                                                                                                   |                 |              |                 | <b>11,471.49</b>  |
| <b>F</b>  | <b>Transportation @ 7.5% of C</b>                                                                                                                                                                                                                                                              |                 |              |                 | <b>28,678.72</b>  |
| <b>G</b>  | <b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>                                                                                                                                                                                  |                 |              |                 | <b>3,790.84</b>   |
| <b>H</b>  | <b>Erection Charges @ 20% on PSC Poles</b>                                                                                                                                                                                                                                                     |                 |              |                 |                   |
| <b>I</b>  | <b>Erection Charges @ 10% for other materials</b>                                                                                                                                                                                                                                              |                 |              |                 | <b>19,430.97</b>  |
| <b>J</b>  | <b>Total</b>                                                                                                                                                                                                                                                                                   |                 |              |                 | <b>451,157.46</b> |
| <b>46</b> | <b>Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.</b>                                                                                                                                                                                                                            | <b>Cum</b>      | <b>0.9</b>   | <b>6648.85</b>  | <b>5,983.97</b>   |
| <b>47</b> | <b>Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.</b>                                                                                                                                                                                                               | <b>Cu. Mtr</b>  | <b>0.226</b> | <b>6648.85</b>  | <b>1,502.64</b>   |
| <b>48</b> | <b>PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.</b>                                                                                                                                                                                                                    | <b>Cu. Mtr</b>  | <b>0.875</b> | <b>5247.48</b>  | <b>4,591.55</b>   |
| <b>49</b> | <b>Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.</b>                                                                                                    | <b>No</b>       | <b>2</b>     | <b>2301.53</b>  | <b>4,603.06</b>   |
| <b>50</b> | <b>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.</b> | <b>No</b>       | <b>7</b>     | <b>3784.73</b>  | <b>26,493.11</b>  |
| <b>51</b> | <b>LT DB Plinth</b>                                                                                                                                                                                                                                                                            | <b>No</b>       | <b>1</b>     | <b>6000.00</b>  | <b>6,000.00</b>   |
| <b>52</b> | <b>DTR Plinth upto 1000 KVA</b>                                                                                                                                                                                                                                                                | <b>No</b>       | <b>1</b>     | <b>28000.00</b> | <b>28,000.00</b>  |
| <b>53</b> | <b>Laying of 4Cx150 sq.mm LT XLPE cable</b>                                                                                                                                                                                                                                                    | <b>Mtr.</b>     | <b>60</b>    | <b>73.65</b>    | <b>4,419.00</b>   |
| <b>54</b> | <b>Laying of 1Cx400 sq.mm LT XLPE cable</b>                                                                                                                                                                                                                                                    | <b>Mtr.</b>     | <b>120</b>   | <b>96.66</b>    | <b>11,599.20</b>  |
| <b>55</b> | <b>Supply and Erection of GI fencing with Gate</b>                                                                                                                                                                                                                                             | <b>Sq. Mtr.</b> | <b>18</b>    | <b>3682.44</b>  | <b>66,283.92</b>  |
| <b>56</b> | <b>Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.</b>                                                                                                                 | <b>No</b>       | <b>16</b>    | <b>322.21</b>   | <b>5,155.36</b>   |
| <b>57</b> | <b>Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm 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.</b>                    | <b>No</b>       | <b>8</b>     | <b>1227.48</b>  | <b>9,819.84</b>   |
| <b>58</b> | <b>Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.</b>                                                                                                                 | <b>No</b>       | <b>24</b>    | <b>156.50</b>   | <b>3,756.00</b>   |

|                                                                             |                                                                                                                                                                                                                                                                                  |                                         |   |         |              |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|---------|--------------|
| 59                                                                          | Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5 core 120-185 sq. mm sqmm 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. | No                                      | 3 | 920.61  | 2,761.83     |
|                                                                             |                                                                                                                                                                                                                                                                                  |                                         |   |         | 180,969.47   |
|                                                                             | Sub total Rs                                                                                                                                                                                                                                                                     |                                         |   |         | 632,126.93   |
| V                                                                           | Dismantling of Line , Pole & S/S                                                                                                                                                                                                                                                 | Ls                                      | 1 | 6288.22 | 6,288.22     |
|                                                                             | Total Rs.(Part-B)                                                                                                                                                                                                                                                                |                                         |   |         | 742,549.26   |
|                                                                             | Sub Total Rs.(Part-A+Part-B)                                                                                                                                                                                                                                                     |                                         |   |         | 3,414,495.23 |
|                                                                             | Cess @1%                                                                                                                                                                                                                                                                         |                                         |   |         | 34,144.95    |
|                                                                             | Total Estimated Cost                                                                                                                                                                                                                                                             |                                         |   |         | 3,448,640.18 |
|                                                                             | Total Estimated Cost in Figures                                                                                                                                                                                                                                                  |                                         |   |         | 3,448,640.00 |
| EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) |                                                                                                                                                                                                                                                                                  | In Figure _____ %<br><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)