

Bill of material against estimate for providing 11 KV feeder at JC-III switching substation from spare capacity of 66 KV Baliar Kalan under Divn. Dharuhera for the purpose of continuity of supply at JC-III under op S/Divn. City-II Rewari during of the year 2017-18

| Category No. | | Public Water Work | | | | | | |
|----------------------|---|-------------------|---------------------|------|-------------|--------------------|---------------|----------------|
| No. of Connections | | 1 No. | | | | | | |
| Name of Sub Division | | City-II Rewari | | | | | | |
| Sr. No. | Description of Material | Unit | 11 KV JC-III feeder | Qty. | Supply Rate | Supply Rate total | Erection Rate | Erection Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | PCC Pole 11 Mtr.(Supplied by Nigam) | No. | 300 | 300 | 4720.00 | 0.00 | 346.58 | 103974.00 |
| 2 | Stay Sets 8' long complete with X-Plat 460mm of Angle 65x65x6 Elbow & rod Wt. 13.80 Kg. | No. | 185 | 185 | 807.00 | 149295.00 | 111.80 | 20683.00 |
| 3 | Stay wire 7/8 SWG | Kg. | 2775 | 2775 | 54.36 | 150849.00 | 5.59 | 15512.25 |
| 4 | GSL 8 SWG | Kg. | 10 | 10 | 54.36 | 543.60 | 8.94 | 89.40 |
| 5 | M.S Nuts Bolts off sizes | Kg. | 1020 | 1020 | 67.00 | 68340.00 | 6.71 | 6844.20 |
| 6 | 11 KV Disc insulator | No. | 209 | 209 | 183.00 | 38247.00 | 20.12 | 4205.08 |
| 7 | Barbed wire | Kg. | 620 | 620 | 51.00 | 31620.00 | 5.59 | 3465.80 |
| 8 | 11 KV GI Pin | No. | 30 | 30 | 59.00 | 1770.00 | 5.59 | 167.70 |
| 9 | 11 KV Pin Insulator | No. | 30 | 30 | 34.00 | 1020.00 | 3.35 | 100.50 |
| 10 | MS Channel 100x50x6mm SAIL/TATA | Kg. | 6517 | 6517 | 40.00 | 260680.00 | 4.47 | 29130.99 |
| 11 | MS Channal 75x40mm SAIL/TATA | Kg. | 350 | 350 | 42.12 | 14742.00 | 4.47 | 1564.50 |
| 12 | MS Angle Iron 50x50x6mm2 SAIL/TATA | Kg. | 7250 | 7250 | 42.12 | 305370.00 | 4.47 | 32407.50 |
| 13 | MS Flat 50x6mm2 SAIL/TATA | Kg. | 800 | 800 | 44.25 | 35400.00 | 4.47 | 3576.00 |
| 14 | Half Clamps Wt. 1.47 Kg. HVPN Drg. No. 2380 | No. | 980 | 980 | 89.00 | 87220.00 | 8.94 | 8761.20 |
| 15 | Full Clamps Wt.2.325 Kg. HVPN Drg. No. 2349 | No. | 700 | 700 | 141.00 | 98700.00 | 13.42 | 9394.00 |
| 16 | 11 KV 400 Amps. GO Switch complete with handle, pipe & Supporting Channel. As per Nigam's technical specification, relevant ISS and latest amendments | No. | 5 | 5 | 6500.00 | 32500.00 | 670.80 | 3354.00 |
| 17 | Lighting Arrestor 9 KV | No. | 15 | 15 | 432.00 | 6480.00 | 46.96 | 704.40 |
| 18 | GI Strip 25x6 mm 9 mtr. for earthing Wt. 10.80 kg. | No. | 106 | 106 | 633.00 | 67098.00 | 74.91 | 7940.46 |
| 19 | Earthing rod Wt. 6.175 kg. | No. | 106 | 106 | 362.00 | 38372.00 | 150.93 | 15998.58 |
| 20 | GI Pipe 40mm dia 6 mtr. long for earthing Set-B Class | No. | 106 | 106 | 1584.00 | 167904.00 | 150.93 | 15998.58 |
| 21 | Caternery wire | Kg. | 6500 | 6500 | 80.00 | 520000.00 | 5.59 | 36335.00 |
| 22 | G.I Pipe 350 mm dia | Mtr. | 100 | 100 | 950.00 | 95000.00 | 149.82 | 14982.00 |
| 23 | SS Strip with adjustable screw | No. | 3000 | 3000 | 60.00 | 180000.00 | 1.12 | 3360.00 |
| 24 | Number plate | No. | 300 | 300 | 68.00 | 20400.00 | 7.83 | 2349.00 |
| 25 | Danger Plate/Number Plate | No. | 300 | 300 | 68.00 | 20400.00 | 7.83 | 2349.00 |
| 26 | Phase Plate for each phase | Set | 150 | 150 | 57.00 | 8550.00 | | 0.00 |
| 27 | Alluminium thimble off size | No. | 100 | 100 | 10.00 | 1000.00 | | 0.00 |
| 28 | ACSR Conductor 80 mm2 (Rabbit) (Supplied by Nigam) | Mtr. | 2350 | 2350 | 51.00 | 0.00 | 2.52 | 5922.00 |
| 29 | wooden cleat | No. | 300 | 300 | 200.00 | 60000.00 | 10.00 | 3000.00 |
| 30 | Wooden Coal | Kg. | 2000 | 2000 | 20.00 | 40000.00 | | 0.00 |
| 31 | Salt | Bag | 100 | 100 | 100.00 | 10000.00 | | 0.00 |
| 32 | 11 KV XLPE Cable 3/C 300mm (Supplied by Nigam) | Mtr. | 6500 | 6500 | 1067.548 | 6939062.00 | 44.72 | 290680.00 |
| 33 | LT PVC Cable 3.5Cx95 mm2 (Supplied by Nigam) | Mtr. | 100 | 100 | 241.554 | 24155.40 | 16.77 | 1677.00 |
| 34 | HT 11 KV XLPE U/G outdoor Heat Shrinkable termination Kit 3Cx300mm | No. | 50 | 50 | 1329.00 | 66450.00 | 726.73 | 36336.50 |
| 35 | HT 11 KV XLPE U/G indoor Heat Shrinkable termination Kit 3Cx300mm | No. | 2 | 2 | 1021.00 | 2042.00 | 726.73 | 1453.46 |
| | Total | | | | | 9543210.00 | | 682316.10 |
| | 16.5 % Overhead charges | | | | | 1574629.65 | | |
| | Erection Charges as per Sate instruction No. 37/2017 issued vide Cir. 188/BD-109/vol/vm dated 28.06.2017 | | | | | 682316.10 | | |
| | 6% Premium as per EOI-9 | | | | | 708009.35 | | |
| | GRAND TOTAL | | | | | 12508165.10 | | |

Un Schedule Charges

| | | | | | | | | |
|---|--|-----|--|-----|--------|--------------------|--|--|
| 1 | Transportation & Loading and Unloading of PCC Poles 11 Mtr. long | No. | | 300 | 700.00 | 210000.00 | | |
| | Total | | | | | 210000.00 | | |
| | GRAND TOTAL | | | | | 12718165.10 | | |

Note:- PCC Pole 11 Mtr. long, ACSR Conductor 80mm2, various size of cable will be provided by Nigam.

**Xen. Op. Division
Rewari**

**SDO Op. City-II S/Divn
Rewari**

