





Esc to 4Nos. 5HP Agl load at Amdapur Village.

Extension of supply to 4 Nos of each 5 HP Agl loads to (1) Sri B Ramulu, Sy. No: 133/AA, (2) Sri B Ramulu, Sy. No: 133/AA, (3) Sri G Naveen Reddy, Sy. No: 114/AA and (4) Sri G Naveen Reddy, Sy. No: 114AA situated at Amdapur Village of Operation Section Moinabad of Operation Sub-Division Ibrahimbagh under SPA Scheme.

Report to accompany the estimate

General Extension of supply to 4 Nos of each 5 HP Agl loads to (1) Sri B Ramulu, Sy. No: 133/AA, (2) Sri B Ramulu, Sy. No: 133/AA, (3) Sri G Naveen Reddy, Sy. No: 114/AA and (4) Sri G Naveen Reddy, Sy. No: 114AA situated at Amdapur Village of Operation Section Moinabad of Operation Sub-Division Ibrahimbagh under SPA Scheme.

| Applicant Name | CSC Reg. No: | D D No: | Date       | Amount  |
|----------------|--------------|---------|------------|---------|
| G Naveen Reddy | 154151601718 | 002549  | 30-11-2015 | 4,950/- |
| G Naveen Reddy | 154151601709 | 002550  | 30-11-2015 | 4,950/- |
| B Ramulu       | 154151423963 | 001641  | 16-04-2015 | 4,950/- |
| B Ramulu       | 154151423952 | 001640  | 16-04-2015 | 4,950/- |

Point of Supply

The proposed transformer will be connected to 11 KV Amdapur feeder emanating from 33/11 KV Amdapur Sub-station.

Main Features:

The proposal envisages the following:

- 1) Erection of HT Line with 55 sqmm AAA Conductor over now proposed 2 Nos. 3 Mt PSCC Poles for a distance 300 Mts with an average span of 50 Mts.
- 2) Erection of LT line with LT AB cable of 3 x 16 + 25Sqmm over now proposed 7 Nos. 8 Mt PSCC Poles for a distance of 350 Mts with an average span of 50 Mts.
- 3) Erection of 1Nos. 11KV 200 Amps A B Switch.
- 4) Erection of 1Nos. 11KV H G Fuse Set.
- 5) Erection of 1 Nos. 3PH 25 KVA DTR with all necessary switch gear system.
- 6) Construction of 1Nos. plinth for DTR.

Power Transformer Capacity:


The existing 2 x 5 MVA PTR at 33/11 KV Amdapur Sub-Station is having the following load particulars:

|                         |   |          |
|-------------------------|---|----------|
| Existing load           | - | 2155 KVA |
| Sanctioned load         | - | NIL      |
| Already sanctioned load | - | NIL      |
| Now proposed load       | - | 25 KVA   |
| TOTAL                   | - | 2180 KVA |

Hence the capacity of the existing power transformer is quite adequate to cater the proposed load along with sanctioned and proposed loads.

Cost:

The total cost of the estimate works out to Rs.

  
Asst. Divisional Engineer  
Operation, TSPDCL,  
Ibrahimbagh.



# SOUTHERN POWER DISTRIBUTION COMPANY OF T S LIMITED

Activity No : 10

Activity Description : DATA-I

| S.No | Materials Code | Materials Text                            | Item Category | Quantity | Unit | Rate in Rs. | Amount in Rs. |
|------|----------------|---|---------------|----------|------|-------------|---------------|
| 1    | PLS00001       | PSCC Poles 8 Mts 140Kgs                   | Stock item    | 2        | EA   | 1,565.57    | 3,131.14      |
| 2    | CDR00003       | AAA conductor 55 Sq. mm                   | Stock item    | 300.000  | M    | 26.91       | 8,073.00      |
| 3    | ASS10002       | 11KV 200A TT AB SWITCH WITH INSULATORS    | Stock item    | 1        | EA   | 7,610.00    | 7,610.00      |
| 4    | HSF10002       | 11KV HG Fuse Sets with Insulators         | Stock item    | 1        | EA   | 2,420.00    | 2,420.00      |
| 5    | PLS00001       | PSCC Poles 8 Mts 140Kgs                   | Stock item    | 7        | EA   | 1,565.57    | 10,959.00     |
| 6    | HWR00010       | Hardware for dead end clamps              | Stock item    | 4        | EA   | 15.30       | 61.20         |
| 7    | CBA00006       | LT AB Cable XPLE 3C X 16+25 Sq. mm        | Stock item    | 350.000  | M    | 45.50       | 15,875.00     |
| 8    | BNT00021       | MS BOLTS & NUTS 3/8 x 1"                  | Stock item    | 10,000   | KG   | 26.60       | 266,000.00    |
| 9    | DBX00017       | LT Distribution Boxes (SMC)               | Stock item    | 1        | EA   | 6,590.00    | 6,590.00      |
| 10   | DTD00022       | 3-PH 25KVA DTR CRGO CSP Alum              | Stock item    | 1        | EA   | 59,795.98   | 59,795.98     |
| 11   | INS10003       | 11KV Polymer Insulators (C&T)             | Stock item    | 2        | EA   | 145.00      | 290.00        |
| 12   | DBX00004       | LT XLPE Cable 1 Core 120 Sq. mm           | Stock item    | 30.000   | M    | 81.57       | 2,447.10      |
| 13   | FBR10005       | 11KV Horizontal Cross Arms                | Stock item    | 2        | EA   | 485.51      | 971.02        |
| 14   | FBR00016       | LT 11KV M.S. Back Clamps                  | Stock item    | 4        | SET  | 128.00      | 512.00        |
| 15   | FBR00015       | LT 11KV Top Cleat with Clamps             | Stock item    | 2        | SET  | 337.00      | 674.00        |
| 16   | HAS00012       | 11KV Metal parts(C&T)                     | Stock item    | 6        | SET  | 77.00       | 462.00        |
| 17   | HWR00011       | Hardware for suspension (Clamps/Eyehooks) | Stock item    | 4        | EA   | 40.80       | 163.20        |
| 18   | FBR10001       | 11KV "V"X Arms with MS Angle 55x55x5      | Stock item    | 2        | EA   | 544.00      | 1,088.00      |
| 19   | INTER0020      | 2ph 10-40A Electronic IRDA meter in PPBox | Stock item    | 4        | EA   | 2,072.55    | 8,290.20      |
| 20   | INS10002       | 11KV Polymer Pin Insulators with (4) pins | Stock item    | 6        | EA   | 184.58      | 1,107.48      |


**Material Cost** 130,610.00

| S.No | Services Code | Services Text                            | Item Category | Quantity | Unit | Rate in Rs. | Amount in Rs. |
|------|---------------|--|---------------|----------|------|-------------|---------------|
| 1    | SWR10042      | ERECTION OF LINES-Erection of 3M Pole    | -             | 2        | EA   | 774.00      | 1,548.00      |
| 2    | SWR10042      | ERECTION OF LINES-Erection of 3M Pole    | -             | 7        | EA   | 774.00      | 5,418.00      |
| 3    | SWR10043      | EXCAVATION OF PIT (2.5' x 2.5' x 1.0')   | -             | 9        | EA   | 315.00      | 2,835.00      |
| 4    | SWR10044      | Stringing of 55sqmm 33/11kv Line 3' span | -             | 0.100    | KM   | 5,881.00    | 588.10        |
| 5    | SWR10045      | Stringing of AB cat. LT 3x16+25 Sq mm    | -             | 0.350    | KM   | 4,670.00    | 1,634.50      |
| 6    | SWR10047      | Covering of 1.2 core 95 sq mm LT by PE   | -             | 0.030    | KM   | 38,000.00   | 1,140.00      |
| 7    | SWR10048      | Erection of Three Phase DTRs             | -             | 1        | EA   | 1,320.00    | 1,320.00      |
| 8    | SWR10049      | Const of RCC DTR plinth slab             | -             | 1        | EA   | 18,392.00   | 18,392.00     |



# SOUTHERN POWER DISTRIBUTION COMPANY OF LIMITED

|  |          |  |   |       |     |          |
|--|----------|--|---|-------|-----|----------|
|  |          | 5'x5'x6"                                     |   |       |     |          |
| 9  | SWR10399 | Erection of 11kv ABS with no earthing        | - | 1     | EA  | 1,492.00 |
| 10   | SWR10395 | Erect. of 11kv HG Fuses with no earthing     | - | 1     | SET | 600.00   |
| 11   | SWR20116 | Earthing of DTR neutral and structure        | - | 3.000 | M   | 1,235.00 |
| 12   | SWR20799 | Fixing 3ph meter to Agl service              | - | 4     | EA  | 176.00   |
| 13   | SWR10674 | Erection of LT distribution box              | - | 1     | EA  | 1,300.75 |
| 14   | SWR20499 | Other miscellaneous items not covered        | - | 1     | LS  | 1,000.00 |
| 15   | SWR10715 | Pro of earthing with CI pipe 80mm dia, 2.0 m | - | 1     | EA  | 1,870.00 |
| 16   | SMR40091 | Supply of GI pipe of 40 mm dia 2 mtrs        | - | 2     | EA  | 338.00   |
| <b>Service Cost</b>                                  |          |  |   |       |     |          |
| <b>14.5% Service Tax on Labour &amp; Transport :</b> |          |  |   |       |     |          |
| <b>3 % S &amp; H Charges :</b>                       |          |  |   |       |     |          |
| <b>3 % Contingencies on materials:</b>               |          |  |   |       |     |          |
| <b>10 % Estt. &amp; General Charges :</b>            |          |  |   |       |     |          |
| <b>Total :</b>                                       |          |  |   |       |     |          |

  
 Asst. Divisional Eng  
 Operation, TSSPL  
 Anil Singh