

10. ELECTRICITY

10.1 No.of Power Stations

YEAR: 2010-11

| Sl.No | Name of the Power Stations | Year of Operation | Installed Capacity (M.W.) | Generation (M.U.) | Station Consumption (M.U.) | Nett Unit sent out (M.U.) |
|-------|-------------------------------|-------------------|---------------------------|-------------------|----------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1. | Hydro | -NIL- | | | | |
| 2. | Thermal | | | | | |
| 3. | Gas Turbine | | | | | |
| 4. | Wind Mills | | | | | |

Source: District Electricity Board.

10.2 QUANTUM OF POWER PURCHASED**YEAR: 2010-11**

| SL.NO | Power purchased sectors name | Power purchased in M.U. |
|-------|---|-------------------------|
| (1) | (2) | (3) |
| 1 | Wind Mill – M/s.Jayadevi Hatcheries, ParamathiVelur | 0.24 |
| 2 | Wind Mill M/s Sri Srinivasa Processors , Tiruchengode | 0.49 |
| 3 | Wind Mill - M/s.Selvam Broilers, Namakkal | 1.40 |
| 4 | Wind Mill - M/s Kaveri Bio Protiens (p) Ltd, Namakkal | 0.22 |
| 5 | Wind Mill - M/s Annam Feeds(p) Ltd-Namakkal | 0.19 |
| 6 | Wind Mill - M/s Hariprasad Textiles(p) Ltd P.Velur | 0.82 |
| 7 | CPP | Nil |

Source: District Electricity Board.

10.3 Power Consumption Sectorwise**YEAR: 2010-11**

| Sl.No | Sectors | Consumption (M.U) | % of the Consumption |
|-------|----------------------------------|----------------------|-------------------------|
| (1) | (2) | (3) | (4) |
| 1 | Industries | 371.51 | 40.97 |
| 2 | Agriculture & Hits | 246.92 | 27.23 |
| 3 | Domestic | 176.91 | 19.51 |
| 4 | Commercial | 71.82 | 7.92 |
| 5 | Public Lighting and Public Works | 39.63 | 4.37 |
| 6 | Sales to Licencees | Nil | Nil |
| 7 | Sales to Other States | Nil | Nil |
| 8 | Miscellaneous | Nil | Nil |
| | Total | 906.79 | 100.00 |

Source: District Electricity Board

10.4 Peak Demand and Energy Output
YEAR: 2010-11

| Power Demand | Details |
|------------------------------|-------------|
| (1) | (2) |
| 1. Instantaneous peak demand | 440.804 MVA |
| 2. Sustained peak demand | 352.643 MVA |

Source: District Electricity Board

10.5 Revenue from Electric Schemes and cost per unit
YEAR: 2010-11

| Sectors | Cost per unit | Income in Rs.in '000' |
|---------------|---|-----------------------|
| (1) | (2) | (3) |
| 1. Government | (Not Available) due to out of Jurisdiction | --- |
| 2. Public | | |
| 3. Private | | |
| Total | | |

Source: District Electricity Board

10.6 Transmission and Distribution of Electricity
YEAR: 2010-11

| Sl.No. | Item | Unit | Achievement |
|--------|--------------------------------------|------|----------------|
| (1) | (2) | (3) | (4) |
| 1 | Agriculture Pumpsets | Nos | 4190 |
| 2 | Industrial Services | Nos | 1381 |
| 3. | Hut Service | Nos | 340 |
| 4. | H.T.Service | Nos | 5 |
| 5. | OHT Service | Nos | 305 |
| 6. | Mini Power Pump | Nos | 20 |
| 7. | Non Power Services | Nos | 17436 |
| 8. | Distribution Transformer Erected | Nos | 128 |
| 9. | Distribution Lines Erected HT lines | Kms | 31.068 |
| 10. | Distribution Lines Erectede LT lines | Kms | 336.266 |

Source: District Electricity Board

10.7 Capacity of Transformers

YEAR: 2010-11

| Name of the Stations / Sub Stations (1) | Capacity (2) |
|--|------------------------------|
| 1. Namakkal 110/22 KVS | 48 MVA(3 X 16 MVA) |
| 2. Valayaapatti 110/22 KVS | 32 MVA (2 * 16 MVA) |
| 3. KN Patty 110/22 KVS | 20 MVA (2X 10 MVA) |
| 4. Thiruchencode 110/22 KVS | 50 MVA (2 X 25 MVA) |
| 5. Mallasamudram 110/22 KVS | 32 MVA (2 X 16 MVA) |
| 6.Elanagar 110/22 KVS | 32 MVA (2 * 16 MVA) |
| 7. Nallur 110/22 KVS | 50 MVA (2 X 25 MVA) |
| 8. Kabilarmalai 110/22 KVS | 26 MVA (1* 10 + 1 * 16 MVA) |
| 9. Komarapalayam 110/22 KVS | 50 MVA (2 X 25 MVA) |
| 10. Pallipalayam 110/22 KVS | 50 MVA (2 X 25 MVA) |
| 11. Unjanai 110/22 KVS | 32 MVA(2 * 16 MVA) |
| 12. Valavanthi 110/22 KVS | 20 MVA (2 X 10 MVA) |
| 13. Namagiripet 110/22 KVs | 26 MVA(1 X 10 + 1 X 16 MVA) |
| 14. Erumapatty 110/22 KVS | 26 MVA (1 X 10 + 1 X 16 MVA) |
| 15 Pudanchanthai 110/22 KVS | 20 MVA (2 X 10 MVA) |
| 16. Paramathy Velur 110/22 KVS | 20 MVA (2 * 10 MVA) |
| 17. Rasipuram 110/22 KVS | 50 MVA (2 X 25 MVA) |
| 18. Paruthipalli 110/22 KV SS | 10MVA (1 X 10 MVA) |

Source: District Electricity Board

10.8 Rural Electrification

YEAR: 2010-11

| Electrified during the year | | | | Electrified upto the year | | | |
|-----------------------------|----------------|---------------|-----------------------------|---------------------------|----------------|---------------|-----------------------------|
| TALUKS (1) | Village (2) | Hamlet (3) | Agricultural Pumpset (4) | TALUKS (5) | Village (6) | Hamlet (7) | Agricultural Pumpset (8) |
| Namakkal | 74 | 549 | 1158 | Namakkal | 97 | 732 | 27840 |
| Tiruchencode | 84 | 512 | 475 | Tiruchencode | 112 | 683 | 16713 |
| Rasipuram | 30 | 234 | 1410 | Rasipuram | 40 | 312 | 14734 |
| Parmathy Velur | 48 | 306 | 1153 | Parmathy Velur | 65 | 409 | 12319 |
| Total | 236 | 1601 | 4190 | Total | 314 | 2136 | 71606 |

Source: District Rural Electricity Office.

10.9 Name and address of fault report offices**YEAR: 2010-11**

| Sl.No. (1) | Name of the Blocks/Municipalities (2) | Name of the Stations/Sub Stations (3) | No.of fault reported (4) |
|---------------|--|--|-----------------------------|
| 1 | Namakkal | Namakkal SS | 403 |
| 2 | Mohanur | Valayapatti SS | 37 |
| 3 | Sendamangalam | KN Patty | 205 |
| 4 | Puduchatram | Pudansandai | 74 |
| 5 | Erumapatti | Erumapatty | 87 |
| 6 | Kolli Hills | K.N.Patty | 64 |
| 7 | Mallasamudram | Mallasamudram SS | 92 |
| 8 | T.Gode | T.Code SS | 382 |
| 9 | Paramathy | P. Velur | 72 |
| 10 | Pallipalayam | Pallipalayam SS | 119 |
| 11 | Elachipalayam | Elamgar SS | 43 |
| 12 | Kabilaramalai | Kabilarmalai SS | 97 |
| | <u>Municipalaities</u> | | |
| 1 | Namakkal | Namakkal SS | 403 |
| 2 | Tiruchengode | Tirchengode SS | 382 |
| 3 | Kumarapalayam | Kumarapalayam aSS | 69 |

Source: District Electricity Board