

10. ELECTRICITY**10.1 Power Consumption Sector wise During 2015-16**

| Sl. No. | Sectors | Consumption | | | | | |
|---------|-----------------------------------|--------------------|-------------------------|--------------------|----------------------------|--------------------|----------------------------|
| | | 2013-14 in M.U. | % of the consumption | 2014-15 in M.U. | % of the consumption | 2015-16 in M.U. | % of the consumption |
| 1 | Industries | 183.787 | 21.76 | 251.779 | 23.04 | 1841.97 | 50.64 |
| 2. | Agri & Huts | 66.284 | 7.84 | 206.447 | 18.89 | 57.52 | 1.58 |
| 3. | Domestic | 439.19 | 52.00 | 473.409 | 43.32 | 516.7 | 14.21 |
| 4. | Commercial | 105.159 | 12.45 | 105.758 | 9.68 | 115.43 | 3.18 |
| 5. | Public lighting & Public Works | 50.124 | 5.93 | 55.378 | 5.07 | 82.49 | 2.31 |
| 6. | Sales to licenceses | - | - | - | - | - | - |
| 7. | Sales to Other States | - | - | - | - | - | - |
| 8. | Miscellaneous | - | - | - | - | 1023.44 | 28.13 |
| Total | | 844.54 | 100.00 | 1092.771 | 100.00 | 3637.55 | 100.00 |

Source: Superintending Engineer, TANGEDCO Virudhunagar.

10.2 Peak Demand and Energy Output 2015-16

| Power Demand | Details |
|------------------------------|---------|
| 1. Instantaneous peak demand | 491MW |
| 2. Sustained peak demand | 396MW |

Source: Superintending Engineer, TANGEDCO Virudhunagar.

**10.3 REVENUE FROM ELECTRIC SCHEMES AND COST PER UNIT
2015-16**

| Sectors | Cost per unit | Income in Rs.in Crores |
|----------------------------------------------------------------------------|---------------|---------------------------|
| Energy sold by E.B.Virudhunagar District in Million units 3637.55 | Rs 4.07 | 148.237 |

Source: Superintending Engineer, TANGEDCO Virudhunagar

10.4 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

| I.No. | Item | Unit | Achievement |
|-------------|------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| NEW | | | |
| 1 | 1 No | 1*16MVA | NEW 110/33 KV Vembakottai Sub station commissioned |
| | 1 No | 1*8MVA (33/11KV) | New Indoor Virudhunagar SS 33/11KV Sub station Commissioned |
| | 1 No | 1*16MVA (110/11KV) | New Anuppankulam SS 110/11KV Sub station Commissioned |
| | 1 No | 1*16MVA (110/33KV) | New Velayuthapuram 110 33/11KV Sub station Commissioned |
| Enhancement | | | |
| 2 | 1 No | 10MVA to 16MVA Power Transformer Enhanced at 110/11KV Thottiapatty SubStation | |
| 3 | 1 No | 16MVA to 25MVA Power Transformer Enhanced at 110 /33-11KV Muthuramalingapuram SubStation and 1 no.additional unit 1*25 MVA Commissioned | |
| 4 | 1 No | 10MVA to 16 MVA Power Transformer Enhanced at 110/11KV Srivilliputhur SubStation | |
| 5 | 1 No | 10MVA to 16MVA Power Transformer Enhanced at 110/11KV R.Reddiapatty SubStation | |
| 6 | 1 No | 1 no.additional unit Auto Transformer 1*100MVA Commissioned @230/110 KV Anuppankulam Substation | |

Source: Superintending Engineer, TANGEDCO Virudhunagar.

10.5 CAPACITY OF TRANSFORMERS

| Sl.No. | Name of the stations / sub stations | Capacity |
|--------|-------------------------------------|--------------------------------------------------------------------|
| 1. | Anuppangulam 230/110KV | 3 X 100 MVA (Auto Transformer) |
| 2. | Nallamanaickenpatty 230/110KV | 1 X 80 MVA (Auto Transformer) |
| 3. | Aruppukkottai 110/33-11 KV SS | 1x25 MVA (110/33 KV) 1x16 MVA (110/33KV) 2x16 MVA (110/11KV) |
| 4. | Tamilpadi 110/33-11 KV | 2x16 MVA (110/11KV) |
| 5. | Aviyoor 110/33 -11 KV | 1X16 MVA (110/33KV) 1X16 MVA (110/11KV) |
| 6. | KariyaPatti 33/11 KV | 2X5 MVA (33/11KV) |
| 7. | Narikudi 33/11 KV | 1X8 MVA (33/11KV) |
| 8. | Pulvaikarai 33/11 KV | 1X8 MVA (33/11KV) |
| 9. | Pandalkudi 33/11 KV | 2X8 MVA (33/11KV) |
| 10. | Palayampatty 33/11 KV | 1X8 MVA (33/11KV) |
| 11. | Paralachi 33/11 KV | 2X5 MVA(33/11KV) |
| 12. | Muthuramalingapuram 110/33 -11KV | 1X10 MVA (110/11KV) 1X16 MVA (110/33KV) |
| 13. | Periapullampatty 33/11 KV | 1X8 MVA (33/11KV) |
| 14. | Viirudhunagar 110/33 -11KV | 2X16 MVA(110/33KV) 1X16 MVA(110/11KV) 1X16 MVA(110/11KV) |
| 15. | Thulukapatty 110/11 KV (Grid) | 1X10 MVA (110/11KV) |
| 16. | Erichanatham 110/11KV | 1X10 MVA (110/11KV) |
| 17. | Soolakarai 110/11 KV | 1X10 MVA (110/11KV) |
| 18. | Mallankinar 33/11 KV | 2X5 MVA (33/11KV) |
| 19. | Periavallikulam 33/11 KV | 2X8 MVA (33/11KV) |
| 20. | G.N.Patty 33/11 KV | 1X5 MVA 1x8MVA |
| 21. | Valayapatty 110/11 KV | 2X10 MVA (110/11KV) |
| 22. | Srivilliputhur 110/11 KV | 1X10 MVA (110/11 KV) 1X16 MVA (110/11 KV) |
| 23. | Watrap 110/11 KV | 2X10 MVA (110/11KV) |
| 24. | Padikasuvaithanpatti 110/11 KV | 2X16 MVA (110/11 KV) |
| 25. | Malliputhur 33/11 KV | 2X5 MVA (33/11KV) |
| 26. | Paraipatty 110/33-11 KV | 3X16 MVA (110/33KV) 2x10MVA(110/11KV) |
| 27. | Thiruthangal 110/11 KV | 1X16 MVA(110/11KV) 1X16 MVA(110/33KV) |
| 28. | N. Subbiahapuram 110/11 KV (Grid) | 2X10 MVA (110/11KV) |
| 29. | Sattur 110/11KV | 2X16 MVA(110/11KV) |
| 30. | Vembakkottai 33/11 KV | 2X5 MVA(33/11KV) |
| 31. | Sevalpatty 33/11 KV | 1X8 MVA (33/11KV) |
| 32. | Sivakasi Urban SS 33/11 KV | 2X8 MVA (33/11KV) |
| 33. | Sivakasi SS 33/11 KV | 2X8 MVA (33/11KV) |
| 34. | Nenmeni 33/11 KV | 1X8 MVA (33/11KV) |
| 35. | Sukkiravarpatty 33/11 KV | 1X8 MVA (33/11KV) |
| 36. | R.Reddipatty 110/11 KV | 2X16 MVA (110/11KV) |
| 37. | Alangulam 110/11 KV | 2X10 MVA (110/11KV) |
| 38. | Thottiyapatty 110/11 KV | 2X16 MVA (110/11KV) |
| 39. | Mudangiar 110/11 KV | 2X10 MVA (110/11KV) |
| 40. | Seithur 110/11 KV | 1X10 MVA (110/11KV) 1X16 MVA (110/11KV) |
| 41. | Rajapalayam 110/11 KV | 4x16 MVA (11/11 KV) |
| 42. | Nallamanaickenpatty 110/11 KV | 1x10MVA (110/11 KV) |
| 43. | Vembakkottai 110/33Kv | 1X16 MVA (110/33KV) |
| 44. | Indoor Virudhunagar SS 33/11Kv | 1X8 MVA (33/11KV) |
| 45. | Anuppankulam SS 110/11Kv | 1X16 MVA (110/33KV) |
| 46. | Velayuthapuram SS 110/33Kv | 1X16 MVA (110/33KV) |

Source: Superintending Engineer, TANGEDCO Virudhunagar.

10.6 RURAL ELECTRIFICATION 2015-16

| Electrified during the year 2015-2016 | | Electrified upto the year | |
|---------------------------------------|---------------|---------------------------|---------------|
| Towns village Hamlet | Agri. Pumpset | Towns village Hamlet | Agri. Pumpset |
| Nil | 107 | Nil | 38409 |

Source: Superintending Engineer, TANGEDCO Virudhunagar