

ENERGY DEPARTMENT

NEW ANNOUNCEMENTS

1. Distribution of Compact Fluorescent Lamps (CFLs) to domestic consumers at subsidised rates

It is proposed to distribute 1 crore CFL lamps at a subsidized cost of Rs.15 per bulb against the actual cost of Rs.100 as replacement for Incandescent Lamps to the domestic consumers for achieving a saving of around 250 MW in a phased manner at the cost of Rs. 85 crores by TANGEDCO.

2. Establishment of 60 KW roof top solar power plant at Tamil Nadu Electricity Board Headquarters

In line with this Government's initiatives for promoting power generation using solar energy, a show-case project for 60 kW Roof-Top solar power plant will be established in the TNEB Head Quarters high rise building.

3. Provision of Automatic meter reading facilities:

Automatic meter reading facilities will be implemented in a phased manner. In the first phase the facility will be extended to all HT consumers.

4. Strengthening of Transmission Infrastructure

For improving the Transmission Network in the State, high capacity backbone network with 400 KV double circuit lines from Tirunelveli to Chennai connecting Kayathar, Karaikudi, Pugalur and Singarpet will be taken up for effective transmission of bulk power transmission across the State and 60 numbers Sub-Stations with associated lines, about 2500 CKM of EHT line improvement, power evacuation lines and link lines and 120 numbers of power transformers towards additional/enhancement at a cost of Rs.1868.59 crores are programmed to be commissioned during the year 2012-13.

5. Establishment of separate wind power corridor with 400 KV Sub-Station

In order to evacuate the power from the wind generators, it is proposed to have a separate corridor with the 400KV substations at Thappagundu (New SS)- Anaikadavu(New SS) and Rasipalayam (New SS) along with the associated 400 KV lines of 336 Ckt Km length. These substations will be connected to the proposed 765 KV substations being executed by PGCIL at Salem.

6. Establishment of a Central load despatch centre

In order to fully utilize the entire capacity of wind generation in the most economical way to benefit all Stake holders, viz. the generators, the utility and the consumers, a Central load dispatch

Centre will be established to monitor, control and direct the wind energy generation on line.

7. Service Connection to 5000 additional pump-sets in "Thane" affected districts:

For the 'Thane' affected districts of Cuddalore, Villupuram and Nagapattinam districts, Service Connections to 5000 additional pump-sets will be effected this year.

8. Conversion of HT & LT overhead lines into HT & LT cables in cyclone prone coastal towns:

Experiencing large scale damage caused by "Thane" cyclone, it is proposed to convert HT Overhead lines and LT Overhead lines into HT cables and LT cables for easy restoration of supply at a tentative cost of Rs.490 crores in phased manner, in cyclone prone coastal towns.

9. Energy saving Demonstration project for Agriculture sector:

In order to make the agricultural consumers understand the efficiency improvement, it is proposed to set up a demonstration project by erecting star-rated energy efficient pump sets in a select feeder on pilot basis.

10. Energy efficient pump-sets mandatory for new connections:

As a measure of Energy Conservation in Agricultural Sector, it is proposed to make availability of energy efficient (minimum three star labeled) Agricultural pump-sets mandatory for effecting new Agricultural service connections.

11. Energy Savings from Power Stations:

Perform, Achieve and Trade (PAT) mechanism will be followed in various Power stations of TANGEDCO to target savings of energy valuing Rs.200 crores.

12. Demand Response Strategy for Tiruppur & Coimbatore:

For better energy management, a comprehensive Demand Response Strategy (DRS) will be taken up in Tiruppur and Coimbatore, which will lead to increase in the reliability of power supply, reduction in power cost and will save 50 MW of Power.

13. Rural Electrification Scheme:

Rajiv Gandhi Grameen Vidyutikaran Yojana Scheme (Rural Electrification Scheme) in left over 3 districts namely Nilgiris, Tirunelveli and Dharmapuri at a total cost of Rs.3727.37 lakhs will be implemented through GOI funds.

14. e-filing of application for new Electricity Service Connection:

To ease the hassels in making the applications for new service connection, e-filing of applications will be introduced and the consumers can file the application at Sub-division/Division offices of the respective area also.

15. Procurement of meters by consumers for new service connection:

To take care of the delay in effecting services on account of non-availability of meters, willing consumers will be permitted to procure meters from any of the approved Vendors.

16. Strengthening of Call Centres:

It is proposed to establish a call centre at Thoothukudi Corporation. Further, the existing call centres will be strengthened with more call attendants and more lines.

17. Expanding the postal/banking coverage for receipt of payment:

It is proposed to expand the postal and banking coverage for accepting the current consumption charges from consumers. Select collection centres will be operating in holidays also. Messages through SMS will also be arranged to be sent regarding Current Consumption charges and due date of payment.

18. Awareness campaign for energy conservation measures & safety features:

To propagate energy conservation and safety in the usage of electricity, it is proposed to launch an awareness campaign to create awareness about safety features and conservation measures.

19. Generation based Incentive for domestic solar roof tops:

It is proposed to provide Generation Based Incentive for domestic solar, i.e., solar rooftops for a total maximum capacity of 50 MW during 2012-13.

20. Honourable CM awards for roof top solar consumers:

To encourage usage of solar rooftops Hon'ble Chief Minister's Awards will be given annually to different category of consumers generating maximum solar energy through rooftops as percentage of their total consumption annually.

21. Provision of subsidized solar pumps:

It is proposed to provide subsidized Solar Pumps (with 86% subsidy – 56% from Ministry of Agriculture and 30% from MNRE) on pilot basis to select waitlisted applicants registered with TNEB for Agriculture Service connections who can buy the pumps on payment of balance 14% cost from TEDA empanelled manufacturers.

22. Re-powering of Wind Farms:

It is proposed to establish a Special Purpose Vehicle between TEDA and Tamil Nadu Electricity Board named Tamil Nadu Renewable Energy Park (TREP) to re-power the demonstration wind farms set up between 1986-93 to generate 160 MW (80 MW of wind and 80 MW of solar).

23. Coastal and Off-shore wind energy:

In order to keep Tamil Nadu in the forefront in Wind Energy Sector, Coastal and Off-Shore Wind Energy potential will be explored. A

pilot study will be taken up for assessing the potential areas to harness Coastal Wind Energy.

24. Promotion of Energy Plantation:

State will encourage energy plantation with improved varieties such as Beema Bamboo, Napier Bajra Hybrid grass, etc. in waste lands.

25. Demonstration of Biomass Plants:

The feasibility of producing power from Napier Bajra Hybrid grass / Beema Bamboo will be examined and a Detailed Project Report will be prepared to establish a demonstration Biomass Plant of 10 MW.

26. All urban street lights are to be energy efficient by 2015:

All street lights in urban areas with tube lights, mercury lamps etc. shall be replaced with energy efficient lamps in a phased manner by 2015 through Municipal Administration Department.

27. Energy efficient equipments in Government Buildings:

Only Electrical Equipments with minimum 3 star ratings will be installed in Government Buildings. Similarly only LED or higher energy efficiency lights shall be used in Government Buildings.

28. Pilot study on "net metering or grid feed-in" :

TEDA will undertake pilot study on "net metering" or "grid feed-in".

29. Installation of 8 wind-solar hybrid system at Government buildings :

TEDA will install 8 Wind Solar Hybrid Systems of each 10 KW capacity @ Rs.5.25 lakhs (State share after availing MNRE subsidy) each in Government Buildings / Hospitals / Institutions /

Energisation of Street lights at suitable locations, at a total cost of Rs.42.00 lakhs.

30. Installation of Solar Photo Voltaic (SPV) Power plant in Government Buildings:

TEDA will install 1 Solar Photo Voltaic (SPV) Power Plant of 10 KW capacity in a Government Building at a total cost of Rs.18.90 lakhs

31. New collectorate complex to be "Energy efficient Building":

To demonstrate the concept of "Energy Efficient Building" the new Collectorate complex at Cuddalore, Tiruppur and Thanjavur will be designed as a model "Energy Efficient Building".

32. Awareness of Renewable Energy Program:

To create large scale awareness of Renewable Energies, TEDA will conduct exhibitions in 10 districts and a National level college competition.

33. Procurement of Power Energy Calibrator:

In order to enhance the services of the laboratory in calibrating the high precision electrical power and energy meters of Electricity Boards and Power Plants using the latest techniques and standards, an enhanced version of power energy calibrator will be procured at a cost of Rs.2.75 Crores.

34. Procurement of Auto Calibration System :

In order to test energy meters of private and public sector power generating companies, Tamil Nadu Generation and Distribution Corporation Limited, HT consumers and domestic consumers, Three

phase Energy meter test bench Auto calibration system and other related accessories will be procured at a cost of Rs.22 lakhs

35. Energy Audit in non-designated HT Industrial/Commercial establishments :

In order to achieve energy efficiency, in non designated High Tension industrial and commercial establishments, Energy Audit will be made mandatory.

36. Establishment of "State Energy Conservation Mission":

To give thrust to the Energy Conservation, it is proposed to form a "State Energy Conservation Mission" which will be responsible for the formulation of policies regarding Energy Conservation, Inter departmental Co-ordination and monitoring of the various Energy Conservation and Energy Efficiency schemes.

