



ABSTRACT

Energy Department - Announcement made by Hon'ble Minister for Electricity, Prohibition & Excise for the year 2020-2021 - Implementation of the Solarisation of traffic signals and surveillance cameras in Chennai city - Administrative sanction - Orders - Issued.

Energy (E1) Department

G.O(D)No.14

Dated: 02.09.2020

சார்வரி - ஆவணி 17

திருவள்ளூர் ஆண்டு 2051

Read:

From the Managing Director, Tamil Nadu Energy Development Agency letter No.000935/TEDA/ Schemes - 4/ Traffic/ 2020 dated 26.06.2020.

ORDER:

The Hon'ble Minister (Electricity, Prohibition & Excise) had made the following announcement in the floor of Assembly on 13.03.2020.

"TEDA will solarise the existing traffic signals and surveillance cameras in Chennai city with energy storage system in a phased manner in coordination with the Chennai Traffic Police Department at a cost of Rs. 7.4 Lakhs."

2) Based on the above announcement of Minister(E,P&E) the Managing Director, Tamil Nadu Energy Development Agency has sent proposal wherein, the Managing Director, Tamil Nadu Energy Development Agency has stated that Tamil Nadu Energy Development Agency has proposed to solarise the existing traffic signals and surveillance cameras in Chennai city with energy storage system in a phased manner at identified locations in coordination with the Chennai Traffic Police to achieve energy saving and Improve reliability. This has been set in keeping with the guidelines of the national energy policy that suggest use of renewable sources of energy. The funding for this, will be met from the available Central / State Financial assistance along with TEDA's Fund/Any other external fund support as detailed below:-

Hybrid Solar Powered Systems:

Hybrid Solar Traffic signals and surveillance camera will work on solar as well as the electrical power supplied by an electricity board. These system gives preference to solar energy. The outside electrical energy is consumed only when the power from solar panels or battery bank is not available.

(P.T.O)

Objective:

- To promote the usage of Solar powered Traffic lights and surveillance cameras in Chennai City of Tamil Nadu.
- To provide uninterrupted functioning of the above system during natural disasters, when the existing system may not function due to power outages
- To reduce the energy cost and also to carbon emission and to create the green environment.

Advantages of Solar Powered System:

1. Solar traffic lights are self-sufficient as they do not require external power sources.
2. They are easy to set up and operate.
3. Traffic signals and surveillance cameras with solar panels work on solar power continuously in all weather conditions.
4. The Hybrid system will provide Enhanced safety and better management of traffic and surveillance system due to non-interrupted power supply.

Implementation:

TEDA will implement the above solar hybrid system with different types of energy storage system(like lead-acid, nickel-cadmium (NiCd), nickel-metal hydride (NiMH), lithium-ion (Li-ion), lithium-ion polymer (LiPo), and rechargeable alkaline batteries) to demonstrate the performance and best optimal storage devices for such facilities for which the approximate budget required will be around INR 7.4 Lakhs.

3) In view of the above, the Managing Director, Tamil Nadu Energy Development Agency has requested to issue administrative sanction for Rs.7.4 lakhs for the implementation of the Solarisation of existing traffic signals and surveillance cameras in Chennai City with energy storage system in a phased manner in co-ordination with the Chennai Traffic Police Department.

4) The Government after careful examination accord Administrative sanction for Rs.7.4 lakhs (Rupees Seven Lakhs and Forty Thousand only) for the implementation of the Solarisation of traffic signals and surveillance cameras in Chennai City with energy storage system in a phased manner in co-ordination with the Chennai Traffic Police Department.

3
5) This orders issues with the concurrence of Finance Department vide its U.O. No.27542/PW-II/2020, dated 26.08.2020.

(BY ORDER OF THE GOVERNOR)

S.K.PRABAKAR
PRINCIPAL SECRETARY TO GOVERNMENT(FAC)

To
The Managing Director,
Tamil Nadu Energy Development Agency, Chennai-6.
The Chairman and Managing Director,
Tamil Nadu Generation and Distribution Corporation Limited, Chennai-2.

Copy to:

The Special P.A to Hon'ble Minister for Electricity, Prohibition & Excise,
Secretariat, Chennai-9.
The Finance (PW-II) Department, Secretariat, Chennai-9.
The Sr. PPS to Principal Secretary to Government (FAC),
Energy Department, Secretariat, Chennai-9.
The Special Programme Implementation Department, Secretariat, Chennai-9.
The NIC, Secretariat, Chennai-9.
SF/SC

//Forwarded / By Order//

S. Srinivas
2.9.2020
Section Officer