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6072/20216/15

Round II

## ABSTRACT

Agriculture Department – Agricultural Engineering – Tamil Nadu Innovation Initiatives – State Innovation Fund in lieu of existing part II Schemes (New Schemes) – Installation of Model Grid Tie Solar Power Photo Voltaic Power Plant without battery for capacity of 31 KWp in the office of the Chief Engineer (Agricultural Engineering) - Sanction - Orders - Issued.

### Agriculture (AE1) Department

G.O.(D) No.272

Dated 25.11.2015

Read:

1. From the Member Secretary, State Planning Commission, Letter No.860/SRC (PC)/15, Dated 29.06.2015.
2. From the Chief Engineer (Agricultural Engineering) Letter No. SC2/20216/2015, Dated 14.09.2015

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### ORDER:

In the reference first read above, the State Planning Commission has recommended the proposal viz., Installation of Model Grid Tie Solar Power PV Power Plant Without battery for capacity of 31 KWp in the office of the Chief Engineer (Agricultural Engineering), at the cost of Rs.24.80 lakhs under Tamil Nadu Innovation Initiatives.

2. In the reference 2<sup>nd</sup> read above, based on the recommendation of the State Planning Commission, the Chief Engineer (Agricultural Engineering) has sent proposals to Government for "Installation of Model Grid Tie Solar Power PV Power Plant Without battery for capacity of 31 KWp in the office of the Chief Engineer, Agricultural Engineering, Nandanam, Chennai, for sanction under State Innovation Fund in lieu of existing Part II Scheme (New Schemes) for the year 2015-2016.

3. In the proposal, the Chief Engineer (Agricultural Engineering) has stated that the office premises has been sanctioned load of 62 KW-3 phase electrical power from Tamil Nadu Generation and Distribution Corporation Limited Service Connection No.011820013 under State Government Service Category with tariff code LM51 and average energy consumption is observed



to be 7000 Units (KWh) per month, paying average amount of Rs. 60,000/- per month towards electricity bill. The average daily energy consumption is arrived to 250 units (KWh) and energy consumption during solar peak period (10 A.M - 3 P.M) is calculated as 140 units (KWh). The premises has roof top area of 830 square meters and after deduction of shadow area, the available roof top area for installation of solar power plant would be 600 square meters. Hence, it is proposed to install Solar Photo Voltaic Power Plant in the roof top of the building to save conventional electrical energy consumption and also to reduce the electricity charges in considerable manner.

4. The Chief Engineer (Agricultural Engineering) has further stated that the Grid-Interactive roof top solar PV system calculator for Tamil Nadu Government Office Buildings prescribed by Tamil Nadu Energy Development Agency (TEDA) is adopted to arrive Solar System Array Capacity, to the tune of 31 KWp. The Chief Engineer (Agricultural Engineering) has informed that the total cost of the Solar Photo Voltaic Power plant for capacity of 31 KWp is arrived to Rs.24.80 lakhs of which Central Financial Assistance (CFA) from Ministry of New and Renewable Energy to be availed would be Rs.7.44 lakhs, (@ Rs. 24,000/- per KWp) and State assistance would be Rs.17.36 lakhs and the implementation of installation will be carried out as per the procedure laid by Tamil Nadu Energy Development Agency. As Ministry of New and Renewable Energy assistance could be claimed only after completion of works and submission of project completion report, the State may provide the Central Financial Assistance of Rs.7.44 lakhs as advance, so that it could be reimbursed to State budget on availing of Central Financial Assistance from Ministry of New and Renewable Energy.

5. Therefore, the Chief Engineer (Agricultural Engineering) has requested the Government to sanction a sum of Rs.24.80 Lakhs for Installation of Model Grid Tie Solar Power PV Power Plant without battery for capacity of 31 KWp in the office of the Chief Engineer (Agricultural Engineering), Nandanam, Chennai, under Tamil Nadu Innovation Initiatives, including Rs.7.44 lakhs as advance to be reimbursed from Ministry of New and Renewable Energy as Central Financial Assistance.

6. The Government after careful examination decided to accept the above proposal. Accordingly sanction is accorded for a sum of Rs.24.80 lakhs (Rupees Twenty four lakhs and Eighty Thousands only) including Central Financial Assistance of Rs.7.44 lakhs from Ministry of New and Renewable Energy, Government of India as advance for Installation of Model Grid Tie Solar Photo Voltaic Power Plant without battery for capacity of 31 KWp in the Office of the Chief Engineer (Agricultural Engineering), Nandanam, Chennai [Central Financial Assistance Rs.7.44 lakhs under Ministry of New and Renewable Energy, Government of India and Rs.17.36 lakhs State Fund] under Tamil Nadu Innovation Initiatives 2015-2016.



7. The expenditure sanctioned in para 6 above shall be debited under the following head of account:-

2810 – Non Conventional Sources of Energy – 02 – Solar – 800 – Other expenditure – Schemes in the Twelfth Five Year Plan – II State Plan – JB – Installation of Model Solar Power Plant at office of the Chief Engineer, Agricultural Department, Chennai – Scheme under State – Innovation Fund – 09 – Grant – in – Aid – 03 Grants for specific schemes. (DPC: 2810 -02-800-JB – 0936)

8. The above expenditure shall be met from the State Innovation Fund by deducting under the following new head of account opened under Demand No.05 Head of the Department:06.

2810 Non Conventional Sources of Energy – 02 Solar – 902 Deduct – Amount from State Innovation Fund – JB Deduct – Amount met from State Innovation Fund – 30 Inter Account Transfers  
(DPC: 2810 -02-902-JB-3008)

and contra debiting J Reserve Fund (b) Reserve Funds not bearing Interest – 8229 00 Development and Welfare Funds – 200 Other Development and Welfare Funds – Budget Estimate State Innovation Fund

(DPC: 8229 00 200 BE 0006) outgo

9. The Chief Engineer, Agricultural Engineering Department is the Estimating, Reconciling and Controlling Authority for the above new head of account "2810-02-902-JB".

10. The Pay and Accounts Officers / Treasury Officers are requested to open the above new head of account in their books.

11. Necessary funds have been provided in First supplementary Estimate for the year 2015-2016.

12. The Chief Engineer (Agricultural Engineering) is authorized to draw and disburse the amount sanctioned in para 6 above and incur the expenditure after following usual codal procedures as per orders in force.

13. The advance amount (i.e. Rs.7.44 lakhs (i.e. 30% share of Ministry of New and Renewable Energy, Government of India) shall be adjusted as and when it is released from Ministry of New and Renewable Energy, Government of India.

14. The Chief Engineer (Agricultural Engineering) is requested to approach Tamil Nadu Energy Development Agency (TEDA) for obtaining 30%



subsidy share (i.e. Rs.7.44 lakhs) from Ministry of New and Renewable Energy, Government of India for reimbursing to the State Government. The Chief Engineer (Agricultural Engineering) shall submit the application in the format stipulated by Ministry of New and Renewable Energy.

15. The Chief Engineer (Agricultural Engineering) is also instructed to send a detailed report to Government indicating the utilization of the amount sanctioned in para 6 above.

16. This order issues with the concurrence of the Finance Department vide its U.O.No.57750 / Finance (Agri) / 2015, dated 17.11.2015.

/By Order of the Governor/

RAJESH LAKHONI  
AGRICULTURAL PRODUCTION COMMISSIONER AND  
SECRETARY TO GOVERNMENT

To

The Chief Engineer (Agricultural Engineering), Chennai-35.

The Principal Accountant General, Chennai-18 (By Name).

The Principal Accountant General (Audit -I), Chennai-18 (By Name).

The Principal Accountant General (G&SSA), Chennai-18.

The Principal Accountant General (E&RSA), Chennai-18.

The Pay and Accounts Officer (South) Chennai-35.

The Managing Director, Tamil Nadu Generation and Distribution Corporation Limited, Chennai - 600 002.

The Tamil Nadu Energy Development Agency (TEDA), Chennai-600 006.

Copy to:-

The Agriculture (B&P) Department, Chennai-9.

The Finance (Agri / BG.II) Department, Chennai-9.

The Private Secretary to Agricultural Production Commissioner and Secretary to Government, Agriculture Department, Chennai-9.

The Planning Development & Special Initiative Department, Chennai -9.

The Energy Department, Chennai-600 009.

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//Forwarded by Order//

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J. Lakshmana Reddy  
Section officer. 30/11/15  
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30/11/15