



ABSTRACT

Agriculture and Farmers Welfare – Agricultural Engineering – Chief Minister's Scheme of Solar Powered Pumpsets – Implementation of 5000 nos. of Standalone Solar Pumping Programme under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme during the year 2021-2022 – Administrative sanction – Accorded – Orders – Issued.

AGRICULTURE AND FARMERS WELFARE (AE1) DEPARTMENT

G.O. (Ms). No. 177

Dated: 09.11.2021

திருவள்ளூர் ஆண்டு 2052
பிலை, ஐப்பசி 23 – ஆம் நாள்

Read:

1. Ministry of New and Renewable Energy, Government of India Letter No. 32/645/2017-SPV Division, Dated: 22.07.2019.
2. Ministry of New and Renewable Energy, Government of India Sanction Letter F.No.32/54/2018-SPV division, Dated: 03.10.2019.
3. G.O.(Ms).No.51, Agriculture (AE-1) Department, Dated: 24.02.2020.
4. Ministry of New and Renewable Energy, Government of India Letter F.No.32/54/2018-SPV Division, Dated: 24.03.2020.
5. Ministry of New and Renewable Energy, Government of India Letter F. No. 32/54/2018-SPV Division, Dated: 31.03.2020.
6. G.O.(Ms).No.164 Agriculture (AE-1) Department, Dated: 31.07.2020.
7. Ministry of New and Renewable Energy, Government of India, Letter No. 283/18/2020, Dated: 13.08.2020.
8. G.O.(Ms).No.51, Agriculture (AE-1) Department, Dated: 26.02.2021.
9. G.O.(Ms).No.55, Agriculture (AE-1) Department, Dated: 05.03.2020.
10. Email received from Ministry of New and Renewable Energy, Government of India, Dated: 26.09.2020.
11. Government Letter No. 16875/AE1/2020-1, Dated: 05.10.2020.
12. Government Letter No. 16875/AE1/2020-2, Dated: 05.10.2020.
13. Ministry of New and Renewable Energy, Government of India, Letter No.32/54/2018-SPV Division, Dated: 13.01.2021.

14. Ministry of New and Renewable Energy, Government of India, Letter No.32/54/2018-SPV Division, Dated: 08.04.2021.
15. The Chief Engineer (Agricultural Engineering), Letter No. SC2/2460 / 2021, Dated: 19.04.2021.

ORDER:

During the Agriculture Budget held on 14.08.2021, the Hon'ble Minister for Agriculture and Farmers Welfare has made the following announcement.

"39. Chief Minister's Scheme of Solar Powered Pumpsets

The demand for electricity is increasing for well irrigation. Solar Powered Pumpsets are a boon to farmers to use pumpsets for irrigation. To effectively utilize the solar power available in abundance in our State for Agricultural purpose by converting it to electric power, Chief Minister's Solar Powered Pumpsets Scheme will be implemented. Under the Scheme, provision of Off-Grid-Standalone Solar Powered Pumping System, 5,000 Solar Pumpsets upto a capacity of 10 horse power with 70 percent subsidy will be installed during the current year 2021-2022 for the benefit of farmers. This Scheme will be implemented at an outlay of Rs.114.68 crore with State, Union Government funds".

2. Ministry of New and Renewable Energy, (MNRE) Government of India (GOI) launched the new scheme of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) on 08.03.2019. Under the Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme, Off-Grid-Standalone Solar Pumping Systems are being promoted under Component-B for which Ministry of New and Renewable Energy, Government of India is providing Central Financial Assistance (CFA) of 30% to the States and the implementing State shall provide an equal matching share or a higher assistance if State desires to reduce the farmer's contribution. The 30% Ministry of New and Renewable Energy (MNRE), Central Financial Assistance (CFA) is limited to the Central Financial Assistance (CFA) applicable for pumps of 7.5 hp. However, the State may decide to go for higher capacity (hp) pumps upto 10 hp.

3. In the Government of India letter 2nd read above, sanction was accorded by Ministry of New and Renewable Energy, Government of India for the installation of 17,500 numbers of Standalone Solar Pumps under the Component "B" for Tamil Nadu for the year 2019-2020 under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) with sanction validity of one year period. The Agricultural Engineering Department has been designated as the State Implementing Agency for the programme. Also, centralized tender for the empanelment of vendors and approval of rates for the standalone solar pumps was conducted by M/s Energy Efficiency Services Limited (EESL), New Delhi. In Government Order 3rd read above, Administrative sanction was accorded by the State for 17,500 Standalone Solar Pumps with 70% subsidy to the farmers (Ministry of New and Renewable

Energy (MNRE), Central Financial Assistance (CFA) - 30% State assistance – 40% and remaining 30% is farmer's contribution).

4. In the Government of India letters 4th and 5th read above, an amount of Rs.9.70 crore and Rs.1.51 crore was released respectively as first installment of Central Financial Assistance (CFA) sanctioned under the project which includes an amount of Rs.5.71 crore under General category and an amount of Rs.5.5 crore under Special Component Plan (SCP) category. The amount was credited by Ministry of New and Renewable Energy (MNRE), Government of India to the Public Financial Management System (PFMS) linked bank account of Chief Engineer (Agricultural Engineering).

5. In Government Orders 6th and 8th read above, the sanction for the First installment State share for General category and the Special Component Plan (SCP) category and additional fund for General category was obtained for an amount of Rs.14.9476 crore (Rs.7.6143 crore for General category + Rs.7.3333 crore for Special Component Plan (SCP) category) and Rs. 37.07 lakh respectively. The tentative number of solar pumps programmed for installation with the released amount of Rs. 26.529 crore in 5 hp, 7.5 hp and 10 hp capacities based on the farmer's requirement had been proposed by Chief Engineer (Agricultural Engineering) as 1100 numbers and the district wise targets were given. The total installations completed during 2020-2021 is 1013 nos. (588 numbers under General Category and 425 numbers under Special Component Plan (SCP) Category) out of 1016 work orders issued. Due to non-availability of solar pump of 7.5 hp capacity for 3 numbers of work orders issued, the 3 installations could not be completed by one of the approved vendors, before 31.3.2021. The same has to be taken up during 2021-2022, duly getting authorization orders from the Government.

6. Hence, the Chief Engineer (Agricultural Engineering) has proposed that under General category, an amount of Rs.44.28 lakh is remaining as unspent balance in Ministry of New and Renewable Energy share during 2020-2021, as corresponding State share for utilizing the same was not available. In case of Special Component Plan (SCP) farmers, as huge allocation i.e. 48% of total funds were received under Special Component Plan (SCP) category, it was difficult to utilize the entire allocation as it was difficult to mobilize the 30% contribution amount from the SC farmers. With great efforts, totally 425 nos. of installations were completed. For Special Component Plan (SCP) category under State head Rs.198.99 lakh and under Ministry of New and Renewable Energy (MNRE) head Rs.194.34 lakh are remaining as unspent balance during 2020-2021 which is to be surrendered.

7. The first instalment funds for the implementation of the programme were received from Ministry of New and Renewable Energy (MNRE) only in the fag end of 2019-2020. Due to Covid-19 nationwide lock down, the implementation of programme was delayed by the companies. Ministry of New and Renewable Energy (MNRE), Government of India, vide letter dated: 13.08.2020 has informed to treat covid-19 as Force Majeure condition and extended all the timelines from 24.03.2020 to 24.08.2020. The companies commenced the programme in the field only by end of August 2020. Further, the empanelled companies for each model of the solar

pump were only limited numbers and they showed a sluggish performance which was also taken to the notice of Ministry of New and Renewable Energy (MNRE), Government of India (GOI) through State Government and requested for empanelment of additional vendors. Considering all these reasons, Ministry of New and Renewable Energy (MNRE) was requested to reduce the allocation of 17,500 nos. under the sanction given for Component - B of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme to 1085 nos. and to extend the validity of sanction given in Government of India (GOI) letter 2nd read above, for a period up to 31.03.2021. Further, Ministry of New and Renewable Energy (MNRE), Government of India (GOI) has extended the validity of sanction till 31.05.2021, vide its letter 14th read above.

8. The Ministry of New and Renewable Energy (MNRE), Government of India (GOI) in its letter 13th read above has accorded sanction for the installation of 5000 numbers of Standalone Solar Pumps under the Component "B" of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) scheme to Agricultural Engineering Department, Tamil Nadu for the year 2020-2021 .

9. The Chief Engineer (Agricultural Engineering) has stated that as the Centralized tender for the empanelment of vendors and approval of rates for the Standalone Solar Pumps was being conducted by M/s Energy Efficiency Services Limited (EESL) New Delhi, for the sanctioned 5000 nos. of solar pumps and the tender process was yet to be completed, the scheme will be taken up for implementation during 2021-2022.

Proposed subsidy pattern for the year 2021-22 is given below

MNRE, CFA	: 30%
State Government	: 40 %
Total	: 70%
Farmer's contribution	: 30%

10. As announced in the Agriculture Budget for the year 2021-2022, it is proposed to provide 5000 numbers of Standalone Solar Pumps 5 hp, 7.5 hp and 10 hp AC/DC, submersible pumps/ surface pumps and 3 hp to 10 hp AC/DC surface pumps with the subsidy assistance of 70% for the total subsidy outlay of Rs.114.67 crore.

11. The Chief Engineer (Agricultural Engineering) has submitted that the hp wise quantity proposed is based on the proportionate demand prevailed in the last year and may change during the time of implementation based on the farmers' demand. The scheme will be implemented within the overall sanctioned subsidy amount. Further, the proposal is based on the rate approved by Ministry of New and Renewable Energy (MNRE), Government of India (GOI) for the year 2019-2020 and also, in case of 10 hp pumps, as per Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) guidelines, the Ministry of New and Renewable Energy (MNRE) share is restricted to that of corresponding 7.5 hp pump and the

additional amount for providing 70% subsidy has been incorporated in the State share for 10 hp pumps. If there is change in the rates finalized in the centralized tender for the programme 2020-2021, the revised cost will be adopted for the calculation of the eligible subsidy of 70 % of the rates approved. On getting approval of the bidders and discovery of rates through centralized tendering by Government of India under Component-B of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) scheme, the scheme will be implemented in the State.

12. The National Bank for Agriculture and Rural Development (NABARD) – Rural Infrastructure Development Fund (RIDF) assistance is to be sought by furnishing the Detailed Project Report (DPR) for loan assistance for the tentative State share of Rs.69.96 crore for the installation of 5000 Nos. of Standalone Solar Pumps for the project for the year 2021-2022.

13. In the Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) guidelines for Component - B, for the release of funds, the following has been mentioned.

- i) Funds up to 40% of the applicable Central Financial Assistance (CFA) for the sanctioned quantity would be released as advance to the implementing agency after placement of letter of award(s) to the selected vendors by the state implementing agency.
- ii) Second installment up to 30% of the applicable Central Financial Assistance (CFA) would be released on submission of Utilization of Certificates (UCs) and Statement of Expenditure (SoE) for the first release.
- iii) Balance 30% on furnishing of Project Completion Report.

14. Hence, the Chief Engineer (Agricultural Engineering) has requested the Government, to consider the proposal and to accord necessary administrative sanction for the implementation of 5000 nos. of Standalone Solar Pumping Programme under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme to be taken up during 2021-2022. Financial sanction for the programme will be sought on approval of the rates and companies by the Ministry of New and Renewable Energy (MNRE), Government of India (GOI) for the programme.

15. The Chief Engineer (Agricultural Engineering) has requested to give the following permission to him, for implementation of the programme for the year 2021-2022.

- To issue Letter of Award (LoA) to the companies for the 5000 numbers of Standalone Solar Pumps for the year 2021-2022, on getting approval of the bidders and discovery of rates through centralized tendering from Ministry of New and Renewable Energy (MNRE), Government of India.

- To vary the proposed hp wise, category wise and district wise quantity of solar pumps proposed under the scheme for the year 2021-2022, at the time of implementation based on the demand among the farmers in various districts within the sanctioned outlay.

16. The Government, after careful consideration of the proposal of the Chief Engineer (Agricultural Engineering), issue orders on the following:-

- i) To accord administrative sanction for the implementation of 5000 nos. of Standalone Solar Pumping Programme, in the name of "Chief Minister's Scheme of Solar Powered Pumpsets" during the year 2021-2022, for the benefit of the farmers, under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme. Financial sanction for the programme will be provided after approval of the rates and companies by the Ministry of New and Renewable Energy (MNRE), Government of India (GOI) for the programme.
- ii) To permit the Chief Engineer (Agricultural Engineering), to issue Letter of Award (LoA) to the companies for the 5000 numbers of Standalone Solar Pumps for the year 2021-2022, on getting approval of the bidders and discovery of rates through centralized tendering from Ministry of New and Renewable Energy (MNRE), Government of India.
- iii) To instruct the Chief Engineer (Agricultural Engineering) to restrict the Horse Power to 7.5hp for the installation of 10 hp pump as in the guidelines of Government of India under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) Scheme, in order to avoid sanction of additional State Matching share.
- iv) To instruct the Chief Engineer (Agricultural Engineering) to provide a detailed report every quarter on the pumpsets installed under this scheme, to ensure the funds are actually spent as intended.

17. This order issues with the concurrence of Finance Department vide its U.O. No. 156 / JS (GKT) / Finance (Agri & F.W) / 2021, Dated: 03.11.2021.

/BY ORDER OF THE GOVERNOR/

**C. SAMAYAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT**

To

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

The Director of Agriculture, Chennai - 5

The Director of Horticulture and Plantation Crops, Chennai - 5.

The Managing Director, Tamil Nadu Generation and Distribution Corporation,
Chennai - 2.

The Chairman & Managing Director, Tamil Nadu Energy Development Agency,
Chennai - 6.

All District Collectors.

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

The Commissioner of Treasuries and Accounts, Chennai - 15.

The Treasury Officers/ Sub Treasury Officers concerned.

The Principal Accountant General (AAD/FSA Cell/Audit-I/II), Chennai - 18.

The Residential Audit Officer, Office of the Principal Accountant General (General
and Social Sector Audit), Secretariat, Chennai - 9.

The Deputy Accountant General/ES-I, Office of the Accountant General (E&RSA),
Chennai - 18.

The Secretary to Government of India, Ministry of Agriculture, Department of
Agriculture and Cooperation, Krishi Bhavan, New Delhi 110 001.

The Director, SPV Off Grid Division, Ministry of New and Renewable Energy,
Government of India, Block No.14, CGO Complex, Lodhi Road, New Delhi-03.

Copy to:

The Office of the Hon'ble Chief Minister, Chennai - 9.

The Principal Secretary to Government, Energy Department, Chennai - 9.

The Senior Personal Assistant to Hon'ble Minister for Agriculture and Farmers
Welfare, Chennai - 9.

The Senior Personal Assistant to Hon'ble Minister for Finance and Human
Resources Management, Chennai - 9.

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

The Finance (Agri & F.W/BG I/BG II/W&M) Department, Chennai - 9.

The Energy Department, Chennai - 9.

The Agriculture and Farmers Welfare (OP3/B&P/AP1) Department, Chennai - 9.

The Assistant Programmer, Agriculture and Farmers Welfare Department,
Chennai-9.

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/FORWARDED BY ORDER/

A. Sundarajan
SECTION OFFICER 16.11.2021
10.11.21 11/9

