



ABSTRACT

Agriculture – Agricultural Engineering – Provision of Standalone Solar Powered Pumping Systems up to capacity of 10 HP with subsidy assistance under PM – KUSUM Scheme - Financial Sanction for the 40% State Share (1st Installment Share) of Rs.14.9476 Crore – Accorded – Orders - Issued.

Agriculture (AE.I) Department

G.O.(MS).No. 164

Dated: 31.07.2020

திருவள்ளூர் ஆண்டு 2051

சார்வரி, ஆடி 16-ஆம் நாள்

Read:

1. Budget announcement on 08.02.2019 under Rule 110 by Hon'ble Deputy Chief Minister.
2. Ministry of New and Renewable Energy, Government of India office Memorandum No.32/645/2017-SPV Division government of India, Dated 22 07 2018.
3. Ministry of New and Renewable Energy, Government of India, Office Memorandum No.318/38/2018-GCRT, Government of India, Ministry of New and Renewable Energy, dated 25.07.2019.
4. Ministry of New and Renewable Energy, Government of India, letter No.F.No.32/54/2018-SPV, division dated 03.10.2019.
5. Ministry of New and Renewable Energy, Government of India letter No.F.No.32/54/2018-SPV division, dated 18.12.2019.
6. The Chief Engineer (Agricultural Engineering) letter No.SC2/10005/2019, dated 19.12.2019.
7. Government letter No.1414/AE1/2020-1, dated 29.01.2020
8. Ministry of New and Renewable Energy, Government of India, E-mail dated 24.02.2020.
9. G.O.(Ms).No.51, Agriculture (AE1) Department, Dated 24.02.2020.
10. G.O.(Ms).No.55, Agriculture (AE1) Department, dated 05.03.2020.
11. Bank Account of SBI, Kodambakkam Branch for Solar Pump PM-KUSUM scheme, dated 11.03.2020.
12. Chief Engineer (Agricultural Engineering) Letter No. SC2/ 32463/2016 Dated: 11 .11.2019

13. Government letter No.4071/FS/Fin(Res-II)/2019-1 Dated 22.01.2020.
14. Tamil Nadu, Budget speech for the year 2020-2021 on 14.02.2020
15. Government of India, Ministry of New and Renewable Energy, Letter No.F No. 32/8/2020-SPV Division, Dated 24.03.2020
16. Government of India, Ministry of New and Renewable Energy, Letter No. F.No. 32/8/2020-SPV Division, Dated 31.03.2020
17. The Chief Engineer (Agricultural Engineering) Letter No.SC2/10005/2019, dated 22.04.2020.

Order:

During the Budget speech on 08.02.2019, the Hon'ble Deputy Chief Minister of Tamil Nadu State has announced the Provision of 2,000 numbers of Solar Pumping systems up to the capacity of 10 hp with 90% subsidy assistance to the farmers with a total subsidy of Rs.84.09 Crore in the budget for the year 2019-2020.

2) In the mean time, scheme of Ministry of New and Renewable Energy (MNRE), Government of India had launched the Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan (PM KUSUM) scheme and the revised technical specifications, revised bench mark cost for the year 2019-2020 and the operational guidelines for the scheme were released during the end of July 2019 and communicated vide Government of India letter dated 22.07.2019 and 25.07.2019.

3) The Ministry of New and Renewable Energy (MNRE), Government of India, vide its letter dated 03.10.2019 has sanctioned 17,500 Standalone Solar Pumps for the year 2019-2020 with subsidy assistance to the farmers under component-B of PM KUSUM scheme and informed that the sanction is valid for one year from the date of sanction from MNRE. 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 the Energy Efficiency Services Limited (EESL) New Delhi.

4) In the G.O. 9th read above, orders have been issued for providing administrative sanction for the implementation of the 17,500 nos of Standalone Solar pump Programme for the year 2019-2020 and 2020-2021 and the funding pattern for the scheme is as below:

MNRE, Central Financial Assistance (CFA)	: 30%
State Government share	: 40 %
Total subsidy	: 70%
Farmer's contribution	: 30% .

5) The Ministry of New and Renewable Energy, Government of India in its letter dated 18.12.2019 has communicated the empanelled companies and approved rates (excluding GST) for the standalone solar pumps for 5 hp and 7.5 hp and instructed to

issue the letter of Award (LoA) for the empanelled companies within 2 months from the date of issue of the letter. Only on furnishing the copy of letter of Award (LoA) to Ministry of New and Renewable Energy, 30% funds could be obtained from Ministry of New and Renewable Energy. Further in the email dated 20.04.2020 Ministry of New and Renewable Energy, Government of India has clarified that the prices conveyed for various pump capacities through letter dated 18.12.2019 are exclusive of GST and final price of the pumps can be arrived at after adding the applicable GST. Ministry of New and Renewable Energy CFA will be calculated on the final price after adding GST. Accordingly, the rates approved for various models of 5 hp and 7.5 hp including GST as applicable is furnished in Annexure – I to this order. For 10 hp category, the centralized tender is under process and empanelment of companies and price discovery is not yet completed by Government of India.

6) As per the permission obtained from Government in the letter 7th read above, pending receipt of the administrative sanction, letter of Award (LoA) were issued to the five empanelled companies on 01.02.2020 by Chief Engineer (Agricultural Engineering). the copies of the LoA were sent to Ministry of New and Renewable Energy Government of India, as per the instructions of Ministry of New and Renewable Energy and requested to release the 30% Ministry of New and Renewable Energy, CFA share.

7) The Ministry of New and Renewable Energy, Government of India in its letter dated 24.02.2020 has informed that the 30% share of Ministry of New and Renewable Energy, CFA for the 17,500 Standalone Solar Pumps would be released to Agricultural Engineering Department through Public Finance Management System (PFMS) and requested to open a separate bank account and send duly filled Mandate form. In the Government Order 10th read above, Orders have been issued for permitting the Chief Engineer (Agricultural Engineering) to open the PFMS linked bank account for the implementation of the standalone solar pumps under component –B of PM-KUSUM scheme. Accordingly, the account has been opened in State Bank of India, Kodambakkam branch and the account number is 39206426856. The same was sent to Government of India, Ministry of New and Renewable Energy for linking of the account in PFMS and for the release of Ministry of New and Renewable Energy share for the programme under PM-KUSUM scheme.

8) Ministry of New and Renewable Energy, Government of India in its letter dated 24.03.2020 and 31.03.2020 has released an amount of Rs.11,21,07,040 as the 1st installment CFA of 30% share and deposited in the bank account on 31.3.2020. Bank statement furnished by Chief Engineer (Agricultural Engineering). On furnishing of Utilization Certificate for the 1st release, 2nd installment for the programme could be obtained from Ministry of New and Renewable Energy.

9) The matching 40% State share towards the 1st installment release of Rs.11.2107 Crore of 30% MNRE CFA is arrived as Rs.14.9476 Crore. The tentative programme to be completed with the 1st installment amount is furnished in the Annexure –II to this order. For 10 hp pumps, the centralized tenders have just been opened and as the price discovery and approval of companies is yet to be communicated by Ministry of New and Renewable Energy, Government of India, the prevailing bench mark cost of Ministry of New and Renewable Energy for 10hp AC

pumps of Rs. 5.10 lakh (@Rs. 51,000/hp as furnished in Government of India letter dated 25.07.2019) is taken for arriving the tentative programme. **However, the 10hp category pumps will be taken up for installation only on approval of rates and companies from Ministry of New and Renewable Energy duly adopting the rate approved for 10 hp pumps by Ministry of New and Renewable Energy.**

10) The Chief Engineer has stated that the district wise quantity proposed under each category and hp of solar pump is tentative and based on the receipt of farmer's contribution from the identified farmers on the "first come first serve" basis, the installations will be taken up and hence the district wise and hp wise quantity mentioned may change at the time of implementation within the funds released.

11)) The Chief Engineer (Agricultural Engineering) has requested that the matching 40% State share (1st installment share) of Rs. 14.9476 Crore towards the 1st installment release of Rs. 11.2107 Crore of 30% Ministry of New and Renewable Energy may be released for the implementation of the programme during 2020-2021 in the following head of account. He has further requested to accord the Financial sanction for taking up the programme with the total 1st instalment funds of Rs.26.1583 Crore (30% Ministry of New and Renewable Energy CFA Rs.11.2107 Crore + 40% State Share Rs. 14.9476 Crore)

12) As per the Budget speech announcement made on 14.02.2020,

"Under the Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM-KUSUM) scheme 17,500 stand-alone solar pumps of upto 10 HP capacity have been sanctioned for Tamil Nadu by the Ministry of New and Renewable Energy (MNRE), Government of India. The stand-alone solar pumps will be installed by the Agricultural Engineering Department with 70 per cent subsidy giving priority to those farmers who are in the waiting list for an agricultural power connection. The total cost of the scheme is Rs.472.85 crore and a provision of Rs.208.74 crore towards the Government of Tamil Nadu's share of the subsidy is made in the Budget Estimates 2020-2021."

13) Necessary Budget Provision is in the BE-2020-2021 in the below New head of account. The Ministry of New and Renewable Energy has sanctioned the 30% Central Financial Assistance (CFA) under the following heads (Vide Government of India letter dated 24.03.2020 and 31.03.2020 and has credited the amount in the Bank account of the scheme.

- i) Rs.5,71,07,040/- (Rupees Five crore Seventy one lakh Seven thousand and forty only) under the Major Head 2810,00-N&RE, Minor Head: 101-Grid Interactive and Distributed Renewable Energy, Sub Head: 02-Off Grid/ Distributed and Decentralized Renewable Power, Detailed Head: 04-Solar Power, Object Head: 35- Grants for creation of capital assets (2810.00.101.02.04.35) during the year 2019-2020.
- ii) Rs.5,50,00,000/- (Rupees Five crore Fifty lakh only) under the Major Head 2810, 00-N&RE, Minor Head: 789-Special Component Plan for Scheduled Castes, Sub Head: 01-Off Grid/ Distributed and Decentralized Renewable Power, Detailed Head: 01- Solar Power, Object Head: 35- Grants for creation of capital assets (2810.00.789.01.01.35) during the year 2019-2020.

14) The Chief Engineer (Agricultural Engineering) has requested that the matching 40% state share amount of Rs.761.43 lakh may be sanctioned under the following KC head DPC 2402-00-102-KC-31101 for the general category farmer and Rs. 733.33 lakh under Special component sub plan(SCSP) for SC category farmer. He has also requested that a separate head of account may be provided for Special component sub plan.

State fund head (for General category):

"2402-00-Soil and Water Conservation-102-Soil Conservation State's expenditure KC-Provision of solar powered pumping system under Infra structure Development Fund of NABARD-311 Subsidies 01-Individual based subsidy"

IFHRMS DP code: DPC 2402-00-102-KC-31101- Rs. 761.43 lakh.

15) The Chief Engineer (Agricultural Engineering), Agricultural Engineering Department has requested to authorize him to draw and incur the expenditure for the year 2020-2021.

16) The Chief Engineer (Agricultural Engineering) has requested to give the following permission for implementation of the Standalone Solar Pump Programme for the year 2020-2021.

- i. To vary the proposed hp wise, category wise and district wise quantity of solar pumps proposed under the scheme at the time of implementation based on the demand among the farmers in various districts within the sanctioned outlay.
- ii. To release the 70% subsidy amount to the companies installing the solar pumping system to the farmers as follows:-

The 30% amount of MNRE is to be released to the companies from the bank account through ECS to the companies account by the sub divisional Assistant Executive Engineer (AEEs) who issues the work order to the companies for the individual installation to the companies and the balance 40% payment from the State share to be made through sub treasury by presenting the bills by the sub divisional AEEs to the companies account through ECS.

17) The Government after careful examination of the proposal of Chief Engineer (Agricultural Engineering) and issued orders on the following lines:-

- i. To release the matching 40% State share (1st installment share) of Rs.14.9476 Crore towards 1st Installment release of Rs.11.2107 Crore of 30% Ministry of New and Renewable Energy for the implementation of Standalone Solar Pump Programme for the year 2020-2021, as per the tentative programme indicated in the Annexure-II to this Order.
- ii. To accord permission for taking up the programme with the total 1st installment fund of Rs.26.1583 Crore (30% Ministry of New and Renewable Energy, CFA – Rs.11.2107 crore + 40% State Share of Rs.14.9476 Crore).
- iii. The Chief Engineer (Agricultural Engineering) is permitted to vary the proposed HP wise, category wise and district wise quantity of solar pumps proposed under the scheme at the time of implementation based on the demand among the farmers in various districts within the sanctioned outlay.

- iv. The Chief Engineer (Agricultural Engineering) is permitted to release the 70% subsidy amount to the companies empanelled by the Ministry of New and Renewable Energy for installing the solar pumping system to the farmers as follows:-

-The 30% amount of Ministry of New and Renewable Energy is to be released to the companies from the bank account through ECS to the companies account by the sub divisional Assistant Executive Engineer (AEEs) who issues the work order to the companies for the individual installation to the companies and the balance 40% payment from the State share to be made through sub treasury by presenting the bills by the sub divisional AEEs to the companies account through ECS.

18) The amount sanctioned in the paragraph 17 above, shall be debited under the following heads of accounts:-

- i. 2402 – 00 Soil and Water Conservation – 102 Soil Conservation – State's Expenditure – KC Provision of Solar Powered Pumping system under IDF of NABARD – 311 Subsidies – 01 Individual Based Subsidy.

(IFHRMS DPC : 2402 00 102 KC 311 01)

(OLD DPC: 2402 00 102 KC 311 01)

Rs.761.43 lakh

- ii. 2402 – 00 Soil and Water Conservation – 789 Special Component Plan for Scheduled Castes – State's Expenditure – JD Provision of Solar Powered Pumping System for SCP for SC under IDF of NABARD – 311 Subsidies – 01 Individual Based Subsidy.

(IFHRMS DPC: 2402 00 789 JD 311 01)

(OLD DPC: 2402 00 789 JD 11 11)

Rs.733.33 lakh

19) Necessary additional funds of Rs.733 lakh will be provided in RE/FMA 2020-2021 by re-appropriation from the head of account 2402 00 102 KC 31101 to 2402 – 00 – 789 – JD 31101 pending provision of such funds, the Chief Engineer (Agricultural Engineering) is authorized to draw and disburse the amount sanctioned in para 17 above. However, the expenditure shall be brought to the notice of the Legislature by Specific Inclusion in the Supplementary Estimate 2020-2021. The Chief Engineer (Agricultural Engineering) is directed to send necessary proposal for obtaining Rs.733.33 lakh under the head of account 2402 – 00 – 789 JD 31101 and also surrender the above amount already provided under the head of account 2402 – 00- 102 – KC 31101 while sending the Budget Proposal of RE/FMA 2020-2021 and also to send necessary draft explanatory notes for including the above expenditure in the Supplementary Estimates 2020-2021 to government in Finance (BG-I/Agri) Department at the appropriate time without fail.

20) The Chief Engineer (Agricultural Engineering) is the estimating controlling and reconciling authority to that above said new head of account mentioned in para 18 (ii) above.

:7:

21) This order issues with the concurrence of Finance Department vide its U.O. No.20025/Finance (Agri)/2020, dated 31.07.2020.

/ By Order of the Governor /

Gagandeep Singh Bedi
Agricultural Production Commissioner
and Principal 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-32.

The Chairman & Managing Director, Tamil Nadu energy Development Agency,
Chennai-16.

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 Resident 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, Chennai-9.

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

The Finance Department (Agri/BG I/BG II/Agri/W&M) Department,

The Energy Department, Chennai-9.

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

The Assistant Programmer, Agriculture Department, Chennai-9.

Stock file/spare copies.

/Forwarded by Order/

(P)-6305
HLR/2020
Section Officer.

P
A/8/2020

G.O.(Ms).No.164, Agriculture (AE1) Department, Dated 31.07.2020

Agricultural Engineering Department

Provision of Standalone Solar pumps to the farmers with subsidy assistance

Cost break up for the Standalone solar pumps for 5 hp and 7.5 hp (AC/DC pumps)

Sl.no	Type	MNRE Approved Rate excluding GST in Rs.	Material cost 70% of the approved rate in Rs.	Taxable services @ 30% of the approved rate in Rs.	GST 5% of Material cost in Rs.	GST 18% on Taxable services in Rs.	Total cost of the system including GST in Rs.
(1)	(2)	(3)	(4) = 70% of (3)	(5)=30% of (3)	(6)	(7)	(8)=(3)+(6)+(7)
Submersible Pumps (Water Filled Motors):							
1	5 hp DC	222,500	155,750	66,750	7,788	12,015	242,303
2	7.5 hp DC	321,000	224,700	96,300	11,235	17,334	349,569
3	5 hp AC	218,500	152,950	65,550	7,648	11,799	237,947
4	7.5 hp AC	291,000	203,700	87,300	10,185	15,714	316,899
Surface Pumps:							
1	5 hp DC	220,498	154,349	66,149	7,717	11,907	240,122
2	7.5 hp DC	337,489	236,242	101,247	11,812	18,224	367,525
3	5 hp AC	214,567	150,197	64,370	7,510	11,587	233,664
4	7.5 hp AC	318,712	223,098	95,614	11,155	17,210	347,077

(Note: 70% of the gross value is deemed as the value of supply of goods attracting 5% rate and the remaining 30% value deemed as the value of taxable service attracting 18% GST rate as per recommendation of GST council dated 22.12.2018)

True Copy/

Gagandeep Singh Bedi
Agricultural Production Commissioner and
Principal Secretary to Government

Section Officer

(Signature)
4/18/2020

(Signature)
4/18/2020

Annexure II

G.O.(Ms).No.164, Agriculture (AE1) Department, Dated 31.07.2020

Agricultural Engineering Department

Provision of Standalone Solar Powered Pumping System up to capacity of 10 hp to the farmers with 70% subsidy assistance During 2020-2021

District wise Tentative Target

S. No	District	5 hp AC pumps	5 hp DC pumps	7.5 hp AC Pumps	7.5 hp DC pumps	10 hp AC pumps	Total Nos.
1	Kancheepuram	31	0	13	0	8	52
2	Tiruvallur	17	0	16	0	12	45
3	Vellore	28	2	28	2	14	74
4	Tiruvannamalai	27	0	5	0	3	35
5	Villupuram	27	1	7	0	3	38
6	Cuddalore	5	0	2	0	17	24
7	Salem	0	3	6	1	1	11
8	Namakkal	4	0	8	0	4	16
9	Dharmapuri	2	0	9	0	7	18
10	Krishnagiri	1	0	10	0	11	22
11	Coimbatore	7	0	10	0	6	23
12	Erode	17	0	20	0	25	62
13	Tirupur	8	0	16	0	8	32
14	Thanjavur	10	0	10	6	7	33
15	Tiruvarur	5	4	15	12	4	40
16	Nagapattinam	11	0	15	0	0	26
17	Trichy	16	0	10	0	5	31
18	Karur	16	0	36	0	4	56
19	Ariyalur	1	0	3	0	29	33
20	Perambalur	5	0	4	0	22	31
21	Pudukottai	16	0	19	1	14	50
22	Madurai	19	0	8	0	3	30

:10:

23	Theni	4	0	8	0	16	28
24	Dindigul	21	0	22	0	7	50
25	Virudunagar	54	0	18	0	7	79
26	Sivagangai	17	0	4	0	1	22
27	Ramanathapuram	6	0	5	0	0	11
28	Tirunelveli	49	0	12	0	4	65
29	Thoothukudi	47	0	2	0	9	58
30	Kanyakumari	21	0	3	0	0	24
31	Nilgiris	13	0	0	0	0	13
	Grand Total	505	10	344	22	251	1132

True Copy

Gagandeep Singh Bedi
Agricultural Production Commissioner and
Principal Secretary to Government

Section Officer


4/8/2022


4/8/2022

