



ABSTRACT

Agriculture – Guidelines for Implementation of Micro Irrigation Scheme under "Per Drop More Crop" component of PMKSY for Sugarcane crop by availing financial Assistance for Additional components – Orders -Issued.

AGRICULTURE (H1.2) DEPARTMENT

G.O.(Ms) No.250

Dated: 29.10.2019

விகாரி வருடம், ஐப்பசி - 12
திருவள்ளூர் ஆண்டு - 2050

Read:-

1. G.O. (Ms)No.238 Agriculture (H1) Department, Dated: 14.10.2019.
2. From the Director of Agriculture, Letter No.DC1/142271/2018, Dated: 17.10.2019 and 21.10.2019.

ORDER:

In Government Order first read above orders were issued according approval to implement Micro Irrigation Scheme under "Per Drop More Crop" component of PMKSY for Sugarcane crop by availing financial Assistance for Additional components in 16000 Ha (6000 Ha under Co-operative/Public Sector Sugarmills and 10000 Ha for Private sector Sugarmills) at a financial outlay of Rs.68.35crore.

2. The Director of Agriculture has sent the draft guidelines for Implementation of Micro Irrigation Scheme under "Per Drop More Crop" component of PMKSY for Sugarcane crop by availing Additional financial Assistance for installing surface/Sub-surface Drip in accordance.

3. The Director of Agriculture has requested the Government to approve the draft Guidelines and also to authorize the Director of Agriculture, to issue necessary executive instructions as and when required if the situation arises during the implementation of the scheme.

4. The Government after careful examination decided to accept the guidelines of the Director of Agriculture for Implementation of Micro Irrigation Scheme under "Per Drop More Crop" component of PMKSY for Sugarcane crop by availing Additional financial Assistance for installing surface / Sub-surface as appended to this Government order and order accordingly.

(P.T.O.)

5. The Director of Agriculture is authorized to issue necessary executive instructions as and when required if the situation arises during the implementation of the scheme.

6. The Director of Agriculture is requested to take follow up action in this regard.

7. This order issues with the concurrence of Finance Department vide its U.O.No.53620/SS(AK)/2019, Dated 25.10.2019.

(BY ORDER OF THE GOVERNOR)

GAGANDEEP SINGH BEDI
AGRICULTURAL PRODUCTION COMMISSIONER
AND PRINCIPAL SECRETARY TO GOVERNMENT

To

- ✓ The Director of Agriculture, Chennai – 5
- The Director of Horticulture and Plantation Crops, Chennai – 5
- The Managing Director, Tamil Nadu Horticulture Development Agency, Chennai-600 005.
- The Commissioner of Sugar, Chennai – 35.
- The Executive Director, Tamil Nadu Watershed Development Agency, Chennai-32.
- The Chief Engineer (Agricultural Engineering) Chennai – 35.

Copy to

- The Senior Private Secretary to Agricultural Production Commissioner and Principal Secretary to Government, Agriculture Department, Chennai-600 009.
- The Agriculture (S1/OP-3) Department, Chennai - 600 009.
- The Assistant Programmer, Agriculture Department, Chennai-600 009.
- Concerned file No.26128/H1-2/2019.
- Stock File / Spare Copies.

//FORWARDED BY ORDER//

Endt NO: GDCI/133500/2019 dated: 31-10-2019

copy communicated for information and necessary action

W. S. S. S.

29.10.19

SECTION OFFICER

29/10/19

mail sent on 1/11/19 @ around 10.45 AM

for Deputy Director of Agriculture (COO)

TO:

All District IDA's
copy to all Private Sugarmills.

ANNEXURE

Guidelines for Installation of Micro Irrigation in Sugarcane by availing Additional Cost Assistance for additional components

Physical Target: 16,000 Ha (6,000 Ha for Co-operative/Public Sector sugar mills and 10,000 Ha for Private sector Sugar mills) Out of 16,000 Ha, an extent of 12,800 Ha (80%) should be implemented under Sub-surface Drip system and 3,200 Ha (20%) in Surface Drip system in Sugarcane.

Financial Target :Rs. 68.35 Cr

Targeted Beneficiaries:

All cane growers registered in Co operative/ Public and Private sector Mills and other sugarcane growers can avail assistance under this Additional Financial Assistance extended in the G.O.(Ms)No.238, Agriculture (H1) Department, dated: 14.10.2019.

Eligibility criteria for availing Additional financial assistance:

1. All Sugarcane growers registered in MIMIS portal and wherever work order has not been issued before 14.10.2019(i.e) Those sugarcane fields for which work order is issued after 15.10.2019 are alone eligible to avail Additional Cost Assistance.
2. Small and Marginal farmers can avail Additional Cost Assistance for the entire extent. For other farmers, extent is limited to 2 Ha.

Implementing Districts: All sugarcane crop growing districts.

Total assistance extended to Sugarcane:

1. As Sugarcane is a water-intensive crop and there is a need to use the irrigation water judiciously, the State Government has sanctioned a sum of Rs.68.35 Crores as Additional Cost Assistance vide G.O.(Ms)No.238, Agriculture (H1) Department, dated: 14.10.2019 in addition to regular MI norms.
2. Under regular MI norms, 100% assistance is extended for SF / MF and 75% for OF. In case of Additional Cost Assistance for components mentioned in the annexure I, 100% assistance is extended to all farmers.

PMKSY MI - Maximum eligible Assistance for Regular MI & Additional Cost Assistance for Sugarcane (as per GO Ms No 238 Agri (H1.2) Dt 14.10.2019)

Spacing : 1.2 m x 0.6 m

(Amount in Rs)

| Details | Category | Regular MI Assistance (Rs. /Ha) * | | Additional Cost Assistance (Rs. / Ha) | | Total Assistance (Rs. / ha) |
|--------------------------|----------|-----------------------------------|-------------------------|---------------------------------------|-------------------------|-----------------------------|
| | | Subsidy rate | Maximum amount eligible | Subsidy rate | Maximum amount eligible | |
| Surface Drip (open well) | SF/MF | 100% | 113,133 | 100% | 38,235 | 151,368 |
| | OF | 75% | 87,880 | 100% | 38,235 | 126,115 |

| | | | | | | |
|-----------------------------|-------|------|---------|------|--------|---------|
| Surface Drip (Tube well) | SF/MF | 100% | 113,133 | 100% | 24,711 | 137,844 |
| | OF | 75% | 87,880 | 100% | 24,711 | 112,591 |
| Subsurface Drip (open well) | SF/MF | 100% | 113,133 | 100% | 49,758 | 162,891 |
| | OF | 75% | 87,880 | 100% | 49,758 | 137,638 |
| Subsurface Drip (Tube well) | SF/MF | 100% | 113,133 | 100% | 36,234 | 149,367 |
| | OF | 75% | 87,880 | 100% | 36,234 | 124,114 |

Note : * Subject to change depending upon the replacement of components

Procedure to avail subsidy:

The detailed procedure for availing regular MI assistance has already been given in the G.O.(Ms) No: 269, Agriculture (H1) Department, dated: 26.10.2018. Now, the modified guidelines for availing Additional Cost Assistance as sanctioned in G.O.(Ms) No: 238, Agriculture (H1) Department, dated: 14.10.2019 is given below.

Step 1: Identification and Registration of beneficiaries:

Execution:

- Private sugarmills:** The beneficiaries will be identified and their applications will be registered online in MIMIS portal by officials of Agriculture Department such as AAO/Deputy AO/AO and officials of Private Sugar mill and registered cane growers.
- Cooperative & Public Sector Sugar Mills:** Identification and online registration will be done by Managing Directors/Cane officers, officials of Sugar Department and registered cane growers.
- Even unregistered Cane grower also can register in MIMIS portal to avail Additional Cost Assistance.
- As the State Government has demarcated extent for Sub-surface(80%) and Surface drip Irrigation(20%) to cover a total area of 16,000 Ha, it has been decided to give **"first come first serve basis"**. Hence, a seniority register should be maintained by every ADA irrespective of Private, Cooperative and Public Sector Mills and all entries upto the issue of Work Order should be made by ADA after getting particulars from Co-operative Sugar Mills.

Documents required along with Farmer's Application:

Chitta, Adangal, FMB sketch, SF/MF certificate obtained from Revenue Department, Ration Card, Aadhaar Card, Photo and Soil & Water testing report are to be furnished by the farmers at the time of registration.

Step 2: Scrutiny and Approval of registered applications and online forwarding to MI firms:

Execution:

Private sugarmills: Once registration is completed, AAO/Deputy AO/AO/ of Agriculture Department will scrutinize the application and submit to ADA for approval.

Cooperative & Public Sector Sugar Mills: Cane officials will scrutinize the application and submit to Managing Director of Cooperative Sugar Mill for approval.

After ensuring the eligibility of the farmer based on the previous 7 years record available at Agriculture and Horticulture Department, the Block Level ADA / Managing Director of Cooperative Sugar Mill will approve and submit the application online to Micro Irrigation firms for preparation of design layout and quotation.

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Step 3: Layout & Quotation Preparation and uploading along with Demand Draft for Farmer Contribution (wherever necessary):

Execution: The Micro Irrigation Firms, on receipt of the approved applications, will visit the farm and prepare a single Quotation in two parts (Part A for regular MI & Part B for Additional Cost Assistance) as detailed below:

Part A (BOQ as per GOI Guidelines): As done in the regular MI, the MI Firms will prepare the design layout and quotation based on the BOQ as per regular MI Scheme.

Part B (Additional components sanctioned in G.O.(Ms) No. 238, Agriculture (H1) Department, dated: 14.10.2019): MI Firm will prepare the Quotation for the components sanctioned in the G.O (Annexure 1). In Case, if the farmer needs some more additional Components over and above the components permitted in the G.O, farmer has to bear the extra additional cost including GST for which Demand Draft should be obtained and uploaded.

Both A & B should be prepared as single Quotation for easy verification and uploaded in MIMIS portal.

MI Company should also obtain farmer acceptance letter (Annexure - II) for Installation of Surface /Sub-surface Drip system in Sugarcane field and a letter of Guarantee that he will continue to raise sugarcane crop atleast for three consecutive years in case of availing financial assistance for additional components.

Step 4: Pre-inspection of registered fields and Issuance of Work Order:

Execution: Once design layout and quotations have been prepared by Micro Irrigation firms, the pre-inspection of the fields will be taken up by the AAO/Deputy AO/AO/Private mill officials for Private Sugar mills. In case of Cooperative and Public Sector Sugar Mill, Cane officers of Cooperative Sugar Mills in areas will undertake pre-inspection. Thereafter, Block ADA will issue work order in the name of the beneficiary farmer for the Private Sugar mills and Managing Director, Cooperative Sugars will issue work order for their respective mills.

Step 5: Installation of Micro Irrigation System in the field and online submission of work completion report with web invoice, farmer's satisfaction letter and geo-tagged field photos:

Execution: The Micro Irrigation Firms will undertake installation of the Micro Irrigation System in the farmer's field on receipt of work order.

The Micro Irrigation firms should supply and install system as per quality specifications given in the Government of India guidelines, fulfilling the Part A & B components issued in the work order. A single invoice should be uploaded comprising of **Part A (BOQ as per GOI Guidelines) & Part B (Additional components sanctioned in G.O).**

In the Farmer Satisfactory letter (FSL), farmer should give declaration that the MI company has supplied and installed all the components mentioned in Part A & B and he has no objection in releasing the tractor hiring charge for operating Sub-surface laying machine to the respective MI Firm, in addition to the existing Statement.

Step 6: Release of 60% subsidy:

Execution: Director of Agriculture will release 60% of the subsidy amount soon after installation of the Micro Irrigation System for Private /Co-operative and Public Sector Sugarmills.

The 60% of the subsidy amount for the Grand total of the Invoice (**PART A : BOQ as per regular MI + Part B:Additional Cost Assistance sanctioned**) will be released by the Director of Agriculture, (based on online records only) immediately after installation of Micro Irrigation system by MI firms in the field followed by uploading of web invoice, farmer satisfaction letter (as per Annexure III) and geo-tagged field photos

(separate Geo-tagged photos for additional components should be uploaded) and recommendation letter issued by Block ADA / Managing Director of Cooperative Sugar Mills.

The Micro Irrigation Companies / Block ADAs / Officials of Sugar Department are responsible for the correctness / genuineness of information and documents uploaded in the web portal.

For proper implementation of the scheme at field level, the concerned Block Level and District Level officials of Agriculture / Sugars should ensure proper checks before and after installation of the Micro Irrigation system in the farmer's field. The format for Farmer Satisfaction letter for the farmers availing financial assistance for Additional components is annexed (**Annexure-III**)

Step 7: Verification and Measurement of Installed fields:

Execution:

- a) The verification of installed fields will be taken up by AEE/AE/JE along with ADA/AO/DyAO/AAO for Private Sugar Mill areas. For Cooperative and Public Sector Sugar Mill areas, AEE/AE/JE along with Block ADA & Managing Directors/ Cane officers of Cooperative Sugar Mills will verify the installed fields.
- b) The Agriculture Engineering Department officials should ensure that the MI companies have supplied and installed all the components mentioned in the invoice (**PART A : BOQ as per regular MI and Part B:Additional Cost Assistance sanctioned**).
- c) The representative of the MI firms should also be present at the time of verification. The JE / AE / AEE, after verification, should record the Measurements in the M Book which should be kept with Agricultural Engineering Department for future check / verification. **The AEE/AE/JE should also upload the duly signed joint verification report comprising of Part A & B in the portal and hand over the original documents for the same.**

Step 8: Release of final subsidy:

Execution:

- a) After ensuring the authenticity of the original invoice, farmer satisfaction letter, geo tagged field photos from Micro Irrigation Companies and joint verification report of installed fields duly signed by the Agricultural Engineering Department officials and Block Level Officials of Agriculture for Private sugar mills and Managing Directors/ Cane officers of Cooperative Sugar Mills for Co-operative and Public Sector Sugar mills, Joint Director of Agriculture will release the remaining 40% subsidy.
- b) For proper implementation of the scheme at field level, the concerned Block Level and District Level officials of Agriculture/ Sugars should ensure proper checks before and after installation of the Micro Irrigation system in the farmer's field.
- c) For the proceedings prepared below Rs.1.50 lakhs, the ECS advice should be signed by the JDA & DDA (GOI) and for the proceedings above Rs.1.50 lakhs, the RTGS/ECS advice should be jointly signed by the District collector and JDA and the amount should be transferred directly through ECS. Before final payment, the District Officers should ascertain the collection of 5% bank guarantee from the Micro Irrigation firms.

Step 9: Approval of District Level Implementation Committee (DLIC):

The District level officials of Agriculture Department /Sugarcane should ensure that the list of all the beneficiaries getting benefitted through the PMKSY Micro Irrigation Scheme should be approved by the District Level Implementation Committee (DLIC).

As per GOI directions the "Other interventions" part of PMKSY should be compulsorily linked with "Micro Irrigation" under "Per drop more Crop". The implementing officials at District/Block level should ensure the linking of other intervention and Micro Irrigation components wherever other intervention components are implemented. The Assets created under PMKSY MI should be compulsorily Geo tagged in Bhuvan portal.

The TANHODA will remain the Nodal agency for preparation of AAP, fund mobilization and furnishing reports/UC to Government/GOI.

Step 10: Post Installation Verification and Third Party Monitoring & Evaluation:

The installed system should be properly maintained by the farmers periodically which should also be ensured by field level officers. An undertaking from the beneficiaries concerned should be obtained by the Block ADA on system maintenance in non-judicial stamp paper (Rs.20/-) that he or she will not sell the Micro Irrigation equipment and if he/she violated these conditions, criminal action will be taken against him/her.

Post- Installation follow-up should be taken after installation of Drip Irrigation system in the field by the field level officials. A team comprising of Assistant Engineer, Agricultural Engineering Department along with the Block Agricultural Officer (Private Sugar Mills) and cane officials for Co-operative Sugar Mills should again do field verification of Drip installed field in the previous year.


The JDA/ DDA /ADA and Executive Engineer/Assistant Executive Engineer (Agricultural Engineering Department) should do super verification for atleast 5% of the installed field. During the check, if it is found that the farmer has sold the equipment anywhere, action should be taken against the individual as per rules.

Independent Third Party Monitoring and Evaluation shall be undertaken at random in all the Districts every year by TANHODA utilizing the Micro Irrigation administrative funds in order to ensure feedback on high level technical implementation of the scheme.

The Farmer Producer Companies, Farmer Producer Groups and Farmer Interest Groups will be prioritized for collective implementation of the PMKSY Micro Irrigation Scheme for their individual members.

GAGANDEEP SINGH BEDI
Agricultural Production Commissioner and
Principal Secretary to Government

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29.10.19
SECTION OFFICER
29/10/19

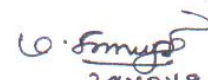
Annexure-1

Additional components required for Surface/Subsurface Drip in Sugarcane

| S. No | Component | Unit | Nos / MTS | | Surface Drip | | Sub surface Drip | |
|-------|--|--------|------------|--------------------------|---------------|--------------------|------------------|--------------------|
| | | | As per BOQ | Addl required | Open well | Borewell /Tubewell | Open well | Borewell /Tubewell |
| 1 | Disc filter-2.5 inch (30m ³ /hr) (Replacing screen filter @ Rs 2400/no) | No | Nil | 1 | 4,400 | 4,400 | 4,400 | 4,400 |
| 2 | Sand filter with Back wash assembly 2.5 inches (30m ³) | No | Nil | 1 | 18,400 | | 18,400 | |
| 3 | Hydrocyclone filter 30m ³ per hr - 2.5 inches | No | Nil | 1 | | 6,325 | | 6,325 |
| 4 | Air release Valve 1" | No | 1 | 4 | 440 | 440 | 440 | 440 |
| 5 | PVC Pipe 63 mm | Mts | 102 | 66 | 2,838 | 2,838 | 2,838 | 2,838 |
| 6 | PVC Pipe 75 mm | Mts | 54 | 60 | 3,780 | 3,780 | 3,780 | 3,780 |
| 7 | PVC Pipe 40 mm- for collective sub main 240Mts @ rate of Rs.29 per metre | Mts | Nil | 240 | | | 6,960 | 6,960 |
| 8 | control valve 63 mm | No | Nil | 5 | 1,780 | 1,780 | 1,780 | 1,780 |
| 9 | Non return valve 2.5 " (Replacing NRV 1.5 " @ Rs 600/no) | No | 1 | 1 | 650 | 650 | 650 | 650 |
| 10 | 63 mm Flush Valve (6 nos for surface & 18 nos for sub surface) | No | 1 | 6 Surface Subsur face-18 | 450 | 450 | 1,350 | 1,350 |
| 11 | Lateral 16mm, Class II; 2.5 kg/cm ² -200mts @Rs.7/m | mts | 125 | 200 | 1,400 | 1,400 | 1,400 | 1,400 |
| | Total | | | | 34,138 | 22,063 | 41,998 | 29,923 |
| | GST @ 12% | | | | 4,097 | 2,648 | 5,040 | 3,591 |
| | Total cost with GST | | | | 38,235 | 24,711 | 47,038 | 33,514 |
| 12 | Tractor Hiring Charge for operating sub surface Laying machine. | farmer | | | | | 2,720 | 2,720 |
| | Grand Total | | | | 38235 | 24711 | 49758 | 36234 |

GAGANDEEP SINGH BEDI
Agricultural Production Commissioner and
Principal Secretary to Government

//TRUE COPY//


 29.10.19
SECTION OFFICER
 29/10/19

ANNEXURE – II

கரும்பு பயிரில் சொட்டு நீர் பாசனம் – கூடுதல் உபகரணங்களுக்கான உதவித்தொகை பெற ஒப்புதல் சான்றிதழ்

----- மாவட்டத்தில் --- வட்டத்தில் ----- கிராமத்தில் வசித்து வரும் கரும்பு விவசாயி ஆகிய -----எனும் நான், ----- சர்வே எண்ணில் ----- எக்டர் பரப்பில் ----- ஆலையின் கீழ் பதிவு செய்து உள்ளேன். தற்போது ----- எக்டர் பரப்பில் அரசு அளிக்கும் கூடுதல் உபகரணங்களுக்காக உதவித் தொகையை பெற்றுக்கொண்டு நுண்ணீர் பாசன கருவி அமைக்க ----- நிறுவனத்தினர் வழங்கிய விலைப்புள்ளியை ஏற்றுக் கொள்கிறேன்.

நான் சொட்டு நீர் பாசன முறையை கடைப்பிடித்து குறைந்தபட்சம் மூன்று ஆண்டுகளுக்கு கரும்பு பயிரிடுவேன் என்றும், தமிழக அரசு அமைத்துக் கொடுக்கும் இந்த நுண்ணீர் பாசன அமைப்பை நல்ல முறையில் பாதுகாப்பேன் என்றும் யாரிடமும் விற்க மாட்டேன் என்றும் உறுதியளிக்கிறேன்.

விவசாயி கையொப்பம்

ககன்தீப் சிங் பேடி
வேளாண்மை உற்பத்தி ஆணையர் மற்றும்
அரசு முதன்மைச் செயலாளர்

//உண்மை நகல்//

6. சைபி
29.11.19
பிரிவு அலுவலர்
29/11/19

ANNEXURE III

கரும்பு விவசாயிகளுக்கான பணிநிறைவு அறிக்கை

----- மாவட்டத்தில் ----- வட்டத்தில் ----- கிராமத்தில் வசித்து வரும் திரு/திருமதி ----- த.பெ./க.பெ ----- ஆகிய எனக்கு ----- கிராமத்தில் ----- வட்டாரத்தில் ----- சர்வே எண்களில் பாத்தியப்பட்ட ----- எக்டர் பரப்பளவில் கரும்பு பயிருக்கு ----- எக்டர் பரப்பளவில் ----- இடைவெளியில் சொட்டு நீர்/ (Surface/Sub-surface) PMKSY திட்டத்தின் கீழ் ----- நிறுவனம் மூலம் அமைக்க ----- பதிவு எண்ணில் விண்ணப்பித்து பணியாணை வழங்கியதன் பேரில் சொட்டுநீர் பாசனம் அமைத்து செயல்பாட்டினை முழுமையாக விளக்கி காண்பிக்கப்பட்டது.

சொட்டு நீர் பாசனம் அமைத்துள்ள ----- நிறுவனத்தால் மூன்றாண்டுகளுக்கு சொட்டு நீர் பாசனக் கருவிகளுக்கு சேவை அளிப்பதுடன், ஏற்படும் பழுதுகளையும் சரி செய்து தரப்படும்.

----- நிறுவனத்தார் விலைப்பட்டியலின் B பிரிவில் குறிப்பிட்டுள்ள அனைத்து கூடுதல் உபகரணங்களும் வழங்கி சிறந்த முறையில் நிறுவப்பட்டுள்ளன. மேலும், நிலத்தின் கீழ் நுண்ணீர் பாசனக் கருவியை நிறுவு அகழி வெட்டுதலுக்கு டிராக்டர் பயன்படுத்தப்பட்டது என்றும் அதற்கான தொகையை அந்நிறுவனத்திற்கு வழங்கலாம் என்றும் சான்றளிக்கப்படுகிறது.

மூன்றாண்டுகளுக்கு பின்னர் பழுது ஏற்படும்பட்சத்தில், எனது சொந்த செலவில் சரிசெய்து உபயோகப்படுத்துவேன். தற்போது அமைக்கப்பட்ட சொட்டு நீர்ப்பாசனம் நல்ல முறையில் திருப்திகரமாக இயங்கி வருகிறது.

நுண்ணீர் பாசன நிறுவனம்
கையொப்பம் மற்றும் முத்திரை

விவசாயி கையொப்பம்

ககன்தீப் சிங் பேடி
வேளாண்மை உற்பத்தி ஆணையர் மற்றும்
அரசு முதன்மைச் செயலாளர்

//உண்மை நகல்//

6. ககன்தீப் சிங் பேடி
29.10.19
பிரிவு அலுவலர்