

Guidelines for the Implementation of Supplementary Water Management Activities (SWMA) of Pradhan Mantri Krishi Sinchayee Yojana – Per Drop More Crop – Other Interventions during the year 2019-2020

The prime objective of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) – Per Drop More Crop (PDMC) is to improve water use efficiency by adopting micro irrigation technologies in the country. Other interventions of PMKSY – "Per Drop More crop" is implemented as a supplementary component of creation of Micro-water storage activities and efficient water usage in rainfed areas which is proposed to be subsumed as Supplementary Water Management Activities (SWMA) and draft guidelines in this regard have been issued by Government of India.

Thus, to ensure focused and outcome based interventions, it has been decided to propagate Micro Irrigation technology among the farming community by filling in the gaps for creation of water source for Micro Irrigation at farm or near farm gate level through the following activities during the year 2019-2020.

- Sinking of Shallow tube wells /Shallow/medium Bore Wells in Safe Firkas.
- Installation of Diesel Pump sets / Electric motor.
- Laying of conveyance pipes.
- Construction of Ground level storage structures.

1. Implementation Jurisdiction:

This scheme shall be implemented by the Agriculture Department and Horticulture Department in the State. In the Nilgiris district alone, Horticulture Department shall implement the scheme.

2. Scheme Implementation:

Tamil Nadu Watershed Development agency (TAWDEVA) shall be the nodal agency for the scheme. The agency will co-ordinate in getting the State and Central's share for the implementation of the scheme.

3. Eligible Targeted Beneficiaries:

All farmers who intend to install Micro Irrigation facilities in their farms – irrespective of the size of land holding-**marginal, small and big farmers** are eligible to take up the proposed irrigation augmenting activities under this scheme in order to bridge the gaps in their farms for the installation of Micro-Irrigation facilities. The farmers become ineligible to claim subsidy, if they do not install micro irrigation. The subsidy will be provided as back ended subsidy for taking up such activities.

3.1 Beneficiaries in Safe Firkas:

The beneficiary who owns land in safe firkas can avail assistance under all the four activities viz. 1) Sinking of shallow tube well/ bore well, 2) Installation of diesel pump set/ electric motor, 3) Laying of conveyance pipes and 4) Construction of storage structure. However, it is again reiterated that the above subsidy is eligible only after the beneficiary installs the Micro Irrigation System in his agriculture land and the above components should supplement the Micro Irrigation system.

3.2 Beneficiaries in Other than Safe Firkas:

The beneficiaries in other than safe firkas are eligible for all or any of the three works – Installation of diesel pump set/electric motor, Laying of conveyance pipes and construction of Ground level storage structure. **They are not eligible to claim subsidy under sinking of shallow tube well/bore well component.**

4. Conditions of Eligibility:

The basic criterion for availing subsidy under these four components detailed below is that the beneficiaries should install Drip Irrigation or Sprinkler Irrigation or Rain Gun or similar components of Micro Irrigation. In other words, the components given below are to be the supplements of Micro Irrigation and hence without Micro Irrigation system installation, back ended subsidy for components mentioned below is not eligible.

4.1) Sinking of shallow tube well/ shallow/medium bore well to utilize water for Micro Irrigation in safe Firkas:

This activity shall be taken up only in **Safe Firkas** notified by the State Public Works Department. (Annexure I)

4.2) Installation of diesel pump set/electric motor to pump water for Micro Irrigation:

This activity shall be taken up as a pumping mechanism to draw the ground water from the shallow tube well/ bore well sunk in **Safe Firkas**. However, this activity can also be taken up wherever existing open wells /shallow tube wells are available in **all Firkas** of each District.

4.3) Laying of conveyance pipes for bringing water upto Micro-Irrigation field:

This activity shall be taken up to facilitate the farmer to get assured water at farm or near farm gate level thereby ensuring the farmer to adopt Micro irrigation technology. This activity can be taken up in **all Firkas** in each District.

4.4) Construction of Ground Level Storage Structure:

This activity shall be taken up to store the pumped water thereby facilitating the farmer to utilize the water at the right time in all stages of the crop. This activity can be taken up in **all firkas** in each District.

5. Back-ended Subsidy:

The beneficiaries have to complete all or any of the activities required to make their farm amenable **for installation of micro irrigation system** out of their own funds or by bank loan initially. **The subsidy for Supplementary Water Management Activity components will be provided as back-ended subsidy after the release of 60% fund for installation of Micro Irrigation System (that will be overseen by Assistant Director Agriculture or Horticulture concerned) as detailed in the table below given:**

Sl. No	Name of the activity	Eligible Back-ended subsidy
1.	Sinking of shallow tube well/ shallow/ medium bore well in safe blocks	50% of the total cost of installation (sinking of shallow tube well/shallow or medium bore well in safe firkas and construction of open well in hill stations /hilly areas in safe blocks) limited to Rs.25,000/- per unit.
2.	Installation of diesel pump set/electric motor	50% of the cost of electric/diesel pumpset including GST or Rs.15,000/- per electric/ diesel pumpset whichever is less.

3.	Laying of conveyance pipes	50% of the cost of system limited to Rs. 10,000/- per ha and for not more than one Ha per beneficiary. (includes purchase of conveyance pipes, accessories with GST besides laying)
4.	Construction of ground level Storage Structure (Concrete/Masonry)	50% of cost limited to Rs. 350 per cubic meter of storage capacity including protective fencing on pro rata basis. Maximum permissible assistance will be restricted to Rs. 40,000/- per beneficiary.

The maximum time limit for the release of all subsidy amount to the beneficiary **should not exceed 15 days after the release of first subsidy** of 60% of Micro-Irrigation Fund for installation of Sprinkler/ Rain gun/ Drip by the Director of Horticulture or Director of Agriculture.

6. Receipt of Applications:

Applications under Supplementary Water Management Activities should be simultaneously registered online in MIMIS portal for Agricultural crops and sugarcane crops of private mill areas by the AO/DyAO/AAO and for Horticulture crops by HO/DyHO/AHO and cane officials / Managing Director for sugarcane in cooperative & public sector sugar mill areas while registering for Micro Irrigation. Farmers themselves can also register online.

Application with MIMIS Registration proof alone shall be accepted. All Applications in the prescribed format for all or any of the activities under this scheme shall be obtained in the format prescribed in **Annexure-II**.

They can submit the hard copies of documents to any of the following officials who shall date-stamp and initial the Applications:-

1. Block Assistant Director of Agriculture in 31 districts.
2. Block Assistant Director of Horticulture in 32 districts

A register containing the details of all applications received shall be maintained by each of the officials stated above based on seniority.

Documents which are required for registration to Micro Irrigation scheme are sufficient for registration to SWMA components.

7. Scrutiny of Applications and issue of work order:

(i) The Block ADH/ADA shall be the authority to scrutinize the applications and issue the work order. They shall scrutinize the applications based on the Seniority Register and select the eligible beneficiaries among the Applicants by following the below given procedure:

(ii) Field verification (PRE-INSPECTION) of the farm of the applicant shall be carried out by the block level officers i.e.ADA/ AO/DyAO/ AAO/ ADH/ HO/ DyHO/AHO who shall verify the following:

- (a) **Geo-physical Survey Certificate** from AED or other concerns so as to ensure the availability of water in the proposed area of the farm where sinking of Tube well/Bore well is to be taken up.
- (b) **Check the presence of existing shallow Tube well/Bore well/Dug well** in safe block or firka/presence of diesel pump set/electric motor/presence of conveyance pipe or ground level storage structure based on the Application. If any of these are already present for which application has been given by the farmer, **such application shall be rejected.**

- (c) A Certificate shall be given by the ADA/ AO/ DyAO/AAO/ ADH/ HO/DyHO/AHO on the following lines - that the field verification has been undertaken and no existing shallow Tube well/Bore well/Dug well in safe block/Diesel pump set/electric motor/ conveyance pipe or ground level storage structure is/are present and the farmer is eligible to undertake the work and claim the necessary subsidy under the scheme. This Certificate should be maintained in the records of each Beneficiary's application.
- (d) A Geotagged photograph in this regard with the beneficiary at the site with location and date tags shall be taken before and after release of subsidy and attached with the Application. This photograph with data tag is to be kept in records for further verification.
- (e) Issuance of work order after verification of the Chitta/Adangal, the photograph and the field verification certificate by ADA/ AO/ DyAO/AAO, ADH/ HO/ DyHO/AHO, the block ADA/ADH shall issue work order to the beneficiary.

8. Work Execution:

After receiving work order, the farmer has to execute all the works allotted to him and report to block officer concerned at different work stages.

9. Conditions for release of payments:

All the payments shall be made after duly filling the format in (**Annexure III**).

1. The farmer shall submit the invoice for the cost involved in sinking of shallow/ medium tube well/ bore well along with depth of tube well/ bore well from the drilling firm. The officials of block verification team comprising ADA/ AO/ DyAO/AAO, ADH/ HO/ DyHO/AHO shall verify the depth and size of bore well for which the bill has been submitted by the farmer and report the details in joint verification report.
2. The manufacturing firm of diesel pump set/ electric motor should be one of the **approved panel of firms by the Chief Engineer, Agricultural Engineering Department.**
3. The farmer should ensure that diesel pump set/ electric motor functions and delivers the required quantity of water as per the specifications furnished by the supplying firm. **The officials of block verification team shall verify the purchase of electric motor / diesel pump set with the submitted invoice and give the details in the Joint Verification Report.**
4. The farmer should ensure that sufficient water can be pumped from the shallow/ medium tube well/ bore well for the efficient functioning of Micro Irrigation System. If the depth of bore well is more, checking for feasibility of drawing water with a diesel pump should be done based on the local conditions to avoid problems related to low water yield and wastage of fuel. If need be, the farmer may opt to have a compressor along with a diesel pump set.
5. **The conveyance pipes should be ISI/ BIS certified and purchased from the list of MI companies empanelled with TANHODA for implementation of PMKSY scheme.**
6. The farmer should ensure that the conveyance pipe is as per specifications furnished by the supplying firm.
7. There should not be any clash between the conveyance pipes distributed under this scheme and the pipelines which are part of the MI system for which subsidy is to be released separately by Director of Agriculture/Horticulture. **The invoice for**

water carrier pipes should generated separately with clear mention of the GST component. The pipeline included in the invoice be generated for MI system should not be considered for Financial Assistance under SWMA.

8. The beneficiary applied for Ground Level Storage Structure component should construct the masonry or concrete storage structure of capacity of approximately **114 Cu.m with a protective fencing, either barbed wire or link fence as per the design specified by Chief Engineer, Agricultural Engineering Department. For lesser configuration of tank capacity the subsidy will be 50% cost limited to Rs.350/ Cu.m including fencing on pro rata basis.**
9. The farmer shall submit all the invoices/Bills and the same should be verified by the AAO/Dy AO/AO/ AHO/Dy HO/ HO of the block and shall be uploaded in the MIMIS portal by ADA/ADH.
10. **The photographs with Geo coordinates shall be taken during the process of drilling of bore well, fixing of pumps, laying of pipelines and construction of ground level storage structure along with the beneficiary and funds are to be released only with print out of these photographs in the connected file.**
11. The farmer shall get the guidance of the ADA/ AO/ DyAO/AAO/ ADH/ HO/ DyHO/AHO while executing the above activities namely, Sinking of Shallow tube well/ Shallow/ medium bore well, Installation of diesel pump set/electric motor pump set, Laying of conveyance pipes and Construction of ground level storage structure.
12. **Joint Verification by Block Level Officials and Assistant Engineers of AED department-** Verification of activities under SWMA may be carried out separately for each component or simultaneously during the Joint verification for Micro Irrigation (after the release of 60% subsidy by the DoA/DHPC) by the block level officials of Agriculture/Horticulture department / cane officials and AED officials. **The verification report duly signed by officials of Agriculture/Horticulture department / cane officials for sugarcane shall be uploaded in MIMIS by AED officials.** The block ADA/ADH shall submit the original invoices duly signed and recommended by ADA/AO/DyAO/AAO, ADH/HO/DyHO/AHO, Cane officials and AED officials to the Joint Director of Agriculture (through Deputy Director, DWDA concerned) / Joint Director of Horticulture/Deputy Director of Horticulture for release of funds underSWMA. However, photocopies of application and other related documents may be maintained in the block office.
13. **The subsidy will be released by the joint Director of Agriculture/ Joint Director of Horticulture/ Deputy Director of Horticulture.** It should be ensured that the subsidy availed under various components of SWMA is used for effective functioning of micro irrigation system installed in the field.

10. Non-Negotiables:

1. The beneficiary should own land in Safe Firka in case of Sinking of shallow tube well/ bore well.
2. In case of sinking of shallow tube well /shallow/medium bore wells, payment will be made only if sufficient water is available for the working of Micro irrigation system. **Hence, beneficiaries should take adequate care in site selection for drilling of bore wells as per geologist recommendation.**
3. No subsidy assistance will be given for the already existing bore well/ tube well/diesel pump/electric motor/conveyance pipe/storage structure. ***Works taken up only after the issue of work order through MIMIS portal shall be eligible for subsidy under the scheme.***

4. After ensuring the eligibility of the farmer to avail the subsidy under SWMA activities, application should be registered for both Micro Irrigation and SWMA activities simultaneously. ***Individuals who have not registered in the MIMIS portal and who have not installed the Micro Irrigation System will not be eligible for subsidy assistance under the scheme.***
5. For the SWMA assets created, back ended subsidy will be released only after the release of at least 60% of subsidy for MI System. However, the joint verification by the team for SWMA activities may be done separately or simultaneously with verification of fields for Micro irrigation installation. Back-ended subsidy under these components will be released to the beneficiary bank account only **through PFMS.**

11. Work Flow under SWMA & Micro Irrigation in MIMIS

- Step 1. Registration in MIMIS portal by BLO (Horti/Agri)/Farmer/MI firm
- Step 2. Pre inspection and recording Geo Coordinates by BLO(Horti/Agri)
- Step 3. Work order issuance for MI and SWMA by BLO (Horti/Agri)
- Step 4. Stage wise documentation of activities through Geo tagged photos
- Step 5. SWMA work completion by Farmer
- Step 6. Joint Verification for SWMA separately or simultaneously with verification of fields for Micro irrigation installation by BLO(Horti/Agri) & AED/ Geo tagging of assets created/
- Step 7. Uploading Joint verification report in MIMIS portal by AED
- Step 8. Submission of certified invoices and verification report along with geo tagged photos as well as application by BLO(Horti/Agri)
- Step 9. SWMA subsidy release to beneficiary by JDH/JDA/DDH through PFMS after the release of 60% fund for Micro Irrigation system installation

12. Inspection of Works:

The Deputy Director (GOI/MI) in the 31 districts, Deputy Director of Horticulture in the 31 and DDH(GOI), the Nilgiris district shall personally inspect at least 25% of the completed works and send the inspection reports to the Director of Agriculture and the Director of Horticulture for Agriculture & the Horticulture crops respectively. The Executive Director, TAWDEVA, will also supervise the implementation of SWMA works in both Agriculture and Horticulture sectors.

Director of Agriculture and Director of Horticulture shall ensure that the executed works are inspected on a random basis by his team of officials at the State level within two months of completion of the relevant activities.

13. Monitoring Mechanism

Monitoring formats shall be drawn up and weekly reports obtained from all the districts to ensure the smooth implementation of the scheme.

14. Maintenance of Records:-

All applications and registers should be maintained in the office of the JDA/JDH/DDH and the same shall be submitted for due verification by higher officials. All files relating to this scheme shall be maintained for 10 years.

The following registers shall be maintained in the block level office:

- 1) A Register showing the number of applications received.
- 2) Seniority Register of the applicants.
- 3) Beneficiary register showing the subsidy released for sinking of bore well in safe blocks, for Installation of diesel pump sets/electric motor, for laying of conveyance pipes and for construction of ground level storage structure. All files relating to this scheme shall be maintained for 10 years.

15. Publicity to the Scheme:

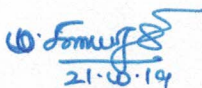
Sufficient publicity/education about the scheme should be given by the Joint Director of Agriculture/ Deputy Director of Horticulture/Deputy Director (TAWDEVA) among the farmers opting for Micro Irrigation. *General publicity about the scheme shall also be issued by Agriculture and Horticulture Departments at the district level.*

16. Reporting :

The existing reporting system followed in Micro-Irrigation in MIMIS portal will be adhered for SWMA activities also.

GAGANDEEP SINGH BEDI
Agricultural Production Commissioner and
Principal Secretary to Government

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SECTION OFFICER

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