



ABSTRACT

Agriculture - Horticulture – Micro Irrigation Scheme - Announcement made by Government of Tamil Nadu –Enhancement of subsidy – 100% subsidy to small and marginal farmers and 75% subsidy to other farmers – Orders - Issued.

Agriculture (H1) Department

G.O.(Ms) No.221

dated 25.11.2011
Thiruvalluvar Aandu 2042
Karthigai 9

Read:-

- 1.G.O.(Ms)No.168,Agriculture(H1) Department, dated 11.9.2009.
 - 2.From the Commissioner of Horticulture and Plantation Crops, Letter No.GOI /14825 /11, dated 25.8.2011.
 - 3.From the Commissioner of Horticulture and Plantation Crops, Letter No. MISI/2624/2011, dated 3.11.2011.
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ORDER:

The Government of Tamil Nadu have made the following Announcement :-

" . . .As this Government feels that it is one of the most important interventions required to enhance farm productivity, small and marginal farmers henceforth will get 100% subsidy for putting up Micro Irrigation Systems, while all other farmers will get 75% subsidy. The subsidy over and above the Government of India support will be fully borne by the State Government. A similar subsidy pattern will be followed in the IAMWARM project as well. During 2011-2012 we will cover 1.25 lakh acres in all covering 87,500 acres under the Micro Irrigation Mission and 37,500 acres under Irrigated Agriculture Modernisation and Water Bodies Restoration and Management Project (IAMWARM)".

2. Micro Irrigation aims at efficient use of available irrigation water by adopting improved irrigation systems like Drip Irrigation and Sprinkler Irrigation. Micro Irrigation was introduced in Tamil Nadu in the 90's

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predominantly for tree crops like coconut and mango. The Department of Agricultural Engineering was vested with the responsibility of implementing the Micro Irrigation programme. After restructuring of Agriculture Department and strengthening of Tamil Nadu Horticulture Development Agency, the Micro Irrigation scheme activities have been geared up by deploying more field staff at Block level.

3.The Centrally Sponsored "Micro Irrigation" scheme is being implemented as per the Government of India Guidelines with the following subsidy pattern upto 18.6.2009.

Government of India Subsidy	: 40%
Government of Tamil Nadu Subsidy	: 10%
Farmers' Contribution	: 50%

Total	:100%

4. Further in G.O.(Ms) No.168, Agriculture (H1) Department, dated 11.9.2009 Government of Tamil Nadu have enhanced the State share of subsidy from 10% to 25% with the following pattern:

Government of India subsidy	: 40%
Government of Tamil Nadu Subsidy	: 25%
Farmer's contribution	: 35%

Total	:100%

5. As per the New Operational Guidelines of National Mission on Micro Irrigation, the Government of India has enhanced the subsidy from 40% to 50% to small and marginal farmers.

6. Based on the above announcement, the Commissioner of Horticulture and Plantation Crops has sent the proposal for increasing the State share of subsidy from 25% to 60% for Small and Marginal farmers and 25% to 35% for other farmers. In G.O.(Ms) No.137, Agriculture (H1) Department, dated 29.8.2011 orders have been issued constituting a State High Level Committee to critically examine the existing mode of implementation and monitoring mechanisms and suggest suitable 'System Revamp' for effective implementation of the Micro Irrigation Scheme.

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7. The Commissioner of Horticulture and Plantation Crops in his letter dated 3.11.2011 has forwarded the recommendations of the State High Level Committee and the Guidelines formulated based on the recommendations, for the implementation of 100% subsidy Micro Irrigation Scheme.

8. The Government after careful examination of the proposal of the Commissioner of Horticulture and Plantation Crops accept it and pass the following orders:-

- a) Increasing the State share of subsidy for installation of Micro Irrigation System from 25% at present to 50% (additional 25%) for small and marginal farmers.
- b) Increasing the State share of subsidy for installation of Micro Irrigation system from 25% at present to 35% (additional 10%) for other farmers.

Sl. No	Pattern of Assistance	Government of India	Government of Tamil Nadu	Farmers' Contribution
1.	Existing	50%	25%	25% (Small and marginal farmers)
		40%	25%	35% (other farmers)
2.	Revised Pattern now Proposed	50%	50%	Nil-for Small and Marginal Farmers.
		40%	35%	25% for other Farmers.

9. The Government also accept recommendations of the State High Level Committee, as specified in the Annexure, in consonant with Government of India guidelines for implementing the 100% subsidy Micro Irrigation Scheme.

10. The operational Guidelines, for implementation of 100% subsidy of the above scheme is annexed to this Government order.

11. The Micro Irrigation Scheme under 75% subsidy to other farmers shall be implemented as per existing guidelines of National Mission on Micro Irrigation of Government of India.

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12. The Government also direct that 100% subsidy pattern for marginal and small farmers and 75% for other farmers for installation of Micro Irrigation System under the TN IAMWARM Project shall be implemented following the guidelines of Government of Tamil Nadu, Government of India, Minutes of Empowered committee and World Bank procurement procedure in the sub basins.

13. The implementation of Micro Irrigation Scheme of 100% subsidy to small and marginal farmers and 75% subsidy to other farmers will take effect from the date of issue of this order.

14. This order issues with the concurrence of the Finance Department vide its U.O. No. 225/ JS (Per)/ 2011, dated 25.11.2011.

(By Order of the Governor)

Sandeep Saxena,
Agricultural Production Commissioner and
Secretary to Government.

To

The Commissioner of Horticulture and Plantation Crops, Chennai – 600 005.

The Managing Director, Tamil Nadu Horticulture Development Agency,
Chennai-600 005.

The Commissioner of Agriculture, Chennai-600 005.

The Chief Engineer(Agricultural Engineer), Chennai – 600 035.

The Executive Director, Tamil Nadu Watershed Development Agency,
Chennai-600 032.

The Commissioner of Sugar, Chennai – 600 035.

The Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore – 3.

All Districts Collectors.

The Joint Secretary to Government of India, Ministry of Agriculture,
Department of Agriculture and Cooperation, New Delhi.

The Accountant General, Chennai-18/Chennai-18(By Name)

The Accountant General(Audit), Chennai-18.

The Pay and Accounts Officer (East), Chennai-5.

Copy to:-

The Chief Minister's Office, Chennai-9.

The Chief Minister's Monitoring Cell, Chennai – 9.

The Special Personal Assistant to Hon'ble Minister for Agriculture,
Chennai -600 009.

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The Private Secretary to Agricultural Production
Commissioner and Secretary to Government, Chennai – 600 009.
The Planning Development and Special Initiatives Department, Chennai – 9.
The Finance (Agri) Department, Chennai-9.
The Agriculture (WD-III) Department, Chennai – 9.
The Agriculture (AE1) Department, Chennai – 9.
The Agriculture (AP4) Department, Chennai – 9.
All Sections in Agriculture Department, Chennai – 9.
Spare copies/Stock File.

//Forwarded by Order//

K. S. Sathya Kumar
25/11/2011
Section Officer
25/11/2011

**Annexure to G.O.(Ms).No.221,
Agriculture (H1) Department, dated 25.11.2011.**

**OPERATIONAL GUIDELINES FOR 100% SUBSIDY FOR MICRO IRRIGATION
SCHEMES IN TAMIL NADU – BASED ON THE RECOMMENDATIONS OF STATE
HIGH LEVEL COMMITTEE FOR IMPLEMENTATION OF MICRO IRRIGATION
SCHEME AND MONITORING**

IDENTIFICATION OF BENEFICIARY

- a) Beneficiary should be small farmer and marginal farmer category.
- b) There should be a pumping system with adequate water for cultivation of crops.
- c) Women, SC/ST farmers, Ex-Service men and Physically Challenged farmers will be given preference.
- d) If the beneficiary is a Marginal farmer he can avail subsidy for one hactre and if he is a Small farmer he can avail subsidy for two hactre within a period of 10 years under any Micro Irrigation Scheme.
- e) If the land is under tenancy, the copy of the tenancy deed for 10 years should be made available.
- f) Two or more farmers may join together, pool their land and avail the subsidy provided such area is contiguous.
- g) All Applications are registered and sorted to maintain the seniority at block level as given below:
 - 1. Application date seniority
 - 2. If many applications are received on the same day
 - Gender: Women farmers first
 - Size of the holding (area) from minimum to maximum
 - If there are many farmers, within a size, the names will be sorted alphabetically.
- h) 16% SCP and 8% STP shall be continued as per the GOI guideline

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II. Norms for 100 % subsidy

- a) Small Farmers and Marginal Farmers of Tamil Nadu with adequate water sources with pumping system alone are eligible to avail the subsidy for all crops.
- b) Other category of farmers are eligible to avail 75% of subsidy for any crop and the remaining 25% may be collected from the Farmers as contribution.
- c) By considering the size of land holding, the funds may be allocated to small & marginal farmers and other category of farmers in the ratio of 80:20 in the targeted area of 30,000 hectre allotted to TANHODA. Accordingly the area proposed to cover under 100% subsidy and 75% subsidy for other category of farmers works out to 24,000 hectre and 6,000 hectre respectively. In addition 5000 hectre allotted for Agriculture Department will be covered under 100% subsidy for Pulses crop.

As per guidelines issued by Government of India under National Mission on Micro Irrigation during November 2010, the unit cost/acre for the closer spacing of 1.2 x 0.6m is Rs.43816/- and hence the 100% subsidy may be extended to the maximum ceiling of Rs.43816/- per beneficiary irrespective of crops as listed below.

a) Drip System

Sl.No.	Spacing (m)	Maximum area that can be covered with a ceiling of Rs.43,816		
		Area (ha)	Area in Acres	
			Small Farmer	Marginal Farmer
a. Wider Spaced Crops :				
1.	12 x 12	2.00	5.00	2.50
2.	10 x 10	2.00	5.00	2.50
3.	9 x 9	2.00	5.00	2.50
4.	8 x 8	2.00	5.00	2.50
5.	6 x 6	1.65	4.12	2.50
6.	5 x 5	1.50	3.75	2.50
7.	4 x 4	1.40	3.50	2.50
8.	3 x 3	1.20	3.00	2.50
9.	2.5 x 2.5	0.84	2.10	2.10
10.	2 x 2	0.70	1.75	1.75

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b. Closely Spaced Crops				
11.	1.5 x 1.5	0.60	1.50	1.50
12.	2.5 x 0.6	0.80	2.00	2.00
13.	1.8 x 0.6	0.62	1.50	1.50
14.	1.2 x 0.6	0.40	1.00	1.00

b) Sprinkler System (any one: Micro or Portable or Semi-permanent or Large Volume Sprinkler) costing Rs. 43,816.00

Subsidy assistance of Rs.43,816/- will be provided to Small and Marginal farmers or the actual cost of the system for one hactre for Marginal farmer and two hactre for small farmer whichever is less as indicated in Government of India Guidelines.

c) Protected Cultivation

Area of irrigation system for green houses under 100% subsidy: 430 sqm. per beneficiary costing Rs.43,816.00

III. Documents Required for availing 100% subsidy

- a) Application with relevant records from the beneficiary farmer should be collected by the concerned block official (ADH/ ADA/ AE(AED)/ Cane officer) and to be handed over to the concerned MI company of farmers choice. The MI company should take up field survey and prepare estimate for the MI system (Drip/Sprinkler) proposed to be installed in the farmers field. Afterwards the completed application with relevant records should be submitted by the concerned MI company to the District Implementing Agency through the block level officers (ADH/ADA/AE(AED)/Cane officer)
- b) The Application form should be filled up without leaving any column and should be submitted along with the following documents:-
 - i. The Small farmer and marginal farmer certificate obtained from revenue officials not below the cadre of Tahsildar should be enclosed.
 - ii. Computer generated chitta duly attested by the Tahsildar.

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- iii. Adangal updated with previous crops and the crop to be cultivated duly authenticated by VAO
- iv. Field Map Book Sketch.
- v. Proper Lease agreement for 10 years as per NMMI Guidelines if it is a leased land.
- c) There is no way to identify whether '**applicant – farmer**' has already installed the drip system under any of the schemes. Hence the pre and post inspection is inevitable and the implementing agency is responsible for effective installation of Micro Irrigation System.

IV. Selection of MI Manufacturer

- a) The farmers are free to choose any reputed Micro Irrigation Manufacturers approved by TANHODA.
- b) The MI Firms should supply quality MI components with BIS standard.
- c) The MI components installed should be upto the specification declared by them during registration and should be verifiable at any time by the inspecting officers.
- d) The MI Firms should execute a bank guarantee to TANHODA, 2% of the quantum of work to be undertaken.

V. Processing of Application

- a) Eligible beneficiary farmer will be screened based on pre inspection of field by the implementing agency.
- b) Existing Cropping pattern of Horticulture Crops/ Agriculture Crops in the respective districts preferably be the criteria for allocating the target area for 100% subsidy Micro Irrigation Scheme. In proportionate to the each crop cultivated in the districts, the District Technical Committee may decide on the sanctioning of applications in their districts.

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- c) Tripartite agreement to be signed by the farmer, company and IA for the maintenance and sustainability of the system for a minimum period of three years.
- d) Application will be fed in the web for online registration.
- e) The copy of the DD is to be attached along with application and this will ensure registration of the MIS application only after the payment of farmer's contribution (25%) in the 75% subsidy scheme.
- f) Considering the further extension of the Micro Irrigation System, if the farmer prefers larger diameter pipes and larger diameter laterals, it may be included in the design of MIS with a condition that the beneficiary should bear the additional cost.
- g) On submission of application by beneficiary applicant, an acknowledgement needs to be given. Application complete in all respects signed by the farmer, MI company and Implementing Agency shall be sent to Executive Engineer (AED) for technical scrutiny and approval, and approved application should be sent to District Technical Committee.
- h) The District Mission Committee (DMC) / District Level Micro Irrigation Committee (DMIC) will approve the list of beneficiary selected and the technical sanction will be given by the District Technical Committee (DTC) which will be held every week under the chairmanship of Joint Director of Agriculture, Deputy Director of Horticulture as Member Secretary, Executive Engineer (AED) and other members from line departments.
- i) On delivery of materials, the farmer is responsible for the stock till the installation is completed.
- j) The variation of cost arising out of land size, land shape and gradient should not exceed 10% of the Unit cost.
- k) Cluster formation may be made as optional.

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VI. Installation of Micro Irrigation System

- a) The MI Manufacturer should supply only quality MI components with BIS standard to the farmers.
- b) The application is to be examined and after perusal, either approved or not approved due to short comings, if any, shall be communicated to MI Company within 10 working days. It is the responsibility of the concerned Implementing Agency to issue work order within 10 working days if it is in order. After issue of work order, the farmers should complete trenching work in 7 days. The MI Company should complete the installation work within 15 days after trenching.
- c) The MI Manufacturer should supply a **spare components kit** (extra 25 joiners, 2 washers each for filter tank and fertigation tank, 25 Gromet take off) to the farmer for minor repairs and maintenance.
- d) The post installation inspection and check measurement should be completed and the payment should be made to the concerned MI Manufacturer within 20 days.
- e) The Payment to the MI Firms should be made by impounding 10% subsidy amount and it will be released after one year of installation on satisfactory services.

VII. After Sales Service

- a) The MI Firms should provide satisfactory after sale service for a period of 3 years. Any defects have to be rectified / replaced to the beneficiary free of cost.
- b) All the State Micro Irrigation Committee (SMIC) approved vendors should open an exclusive service centre cum Spares shop at each district.
- c) After sales service by the MI Companies are almost not satisfactory, the 'Service Card' (feedback form) shall be introduced to ensure bimonthly visit of the MI Companies to the field for inspection to attend the complaints for six months and there after once in a quarter for three years. The service cards

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shall be evaluated to decide the magnitude of the service rendered by the MI Company at the end of one year and suitable penalty shall be levied for the inadequacy of service. 10% of impounded money will be released on satisfactory service to the farmers at the end of 1st year.

d) The MI Firms should give training to the farmers on maintenance of Micro Irrigation System and provide an **operation and maintenance manual** printed in Tamil.

e) The following components are to be made mandatory in the installation

1. Head control assembly : Filter, Non - return valve, ventury / Fertigation Tank, Two pressure gauges.
2. Distribution system : Air release valves at each sub main junction
3. Delivery system : Dripper (inline/online)

f) In the first year of installation, the MI firm staff should make atleast 4 visits once in a quarter and two visits in the second and third year.

VIII. Implementation under TN IAMWARM Project

100% subsidy pattern for marginal and small farmers and 75% for other farmers for installation of Micro Irrigation System under the TN IAMWARM Project will be implemented following the guidelines of GOTN, GOI, Minutes of Empowered committee and World Bank procurement procedure in the sub basins.

IX. Technical Support Group (TSG)

A Technical Support Group will be constituted under the chairmanship of Managing Director, TANHODA with technical experts and scientists from Tamil Nadu Agricultural University and representatives from implementing Agencies as members.

The TSG will be involved in developing training modules and organizing and conducting State Level and District Level Seminars.

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X. Quality Control

The Micro Irrigation Components supplied to the farmers for installation will be randomly checked by a quality control team which will be formed with experts separately. Samples will be drawn on by the quality control team and sent to CIPET for analysis and if the materials are found substandard, the concerned MI Manufacturer will be black listed.

XI. Monitoring

The progress of the scheme will be monitored and reviewed periodically by the heads of Implementing Agencies at State and District Level.

Sandeep Saxena,
Agricultural Production Commissioner and
Secretary to Government.

//True Copy//

L. Jethuram
25/11/2011
Section Officer.
of the
Section