



ABSTRACT

Agriculture - Horticulture - Micro Irrigation Scheme - Enhancement of subsidy- 100% subsidy to small and marginal farmers and 75% subsidy to other farmers - Guidelines - Ordered - Certain modifications to the guidelines and specifying additional guidelines - Orders - Issued.

Agriculture (H1) Department

G.O. (Ms) No.75

Dated 17.04.2013
Thiruvalluvar Aandu 2044
Chitthirai 4

Read:-

1. G.O.(Ms)No.168, Agriculture(H1) Department, dated 11.09.2009.
2. G.O. (Ms) No.221, Agriculture (H1) department, dated 25.11.2011.
3. From the Commissioner of Horticulture and Plantation Crops, Letters No.MIS1/3434/2012, dated 17.8.2012, 9.10.2012, and 20.11.2012

ORDER:

The Centrally Sponsored "Micro Irrigation" scheme is being implemented as per the Government of India Guidelines with the following subsidy pattern upto 18.06.2009.

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

Total :100%

2. In the Government order first read above the Government of Tamil Nadu 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%

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

3. Subsequently, in Government Order Second read above orders were issued :-

- 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	50%	50%	Nil - for Small and Marginal Farmers.
		40%	35%	25% for other Farmers.

The Government have also listed out the operational guidelines for implementation of the above scheme.

4. During the Budget Speech 2012-2013 the following announcement was made:-

"33. To promote better water management and crop diversification, we are providing 100% subsidy for small and marginal farmers and 75% for others for installing micro-irrigation systems. During 2011-2012, we have covered 1,12,500 acres under micro irrigation. We propose to cover 1,73,000 acres during 2012-2013 for which Rs.75 crores has been provided as subsidy in this Budget. Further, a new system of disbursing the subsidy directly to farmers, giving them an option to choose the appropriate equipment supplier and third party inspection to ensure correct utilization of funds will be introduced from the coming year".

5. The Commissioner of Horticulture and Plantation Crops has stated that the State High Level Committee meeting was convened on 30.07.2012 and 1.10.2012 duly taking into consideration the announcement made in the budget speech for the year 2012-13 and based on the recommendation of the High Level Committee, the Commissioner of Horticulture and Plantation Crops has submitted a proposal to Government to modify and incorporate certain guidelines issued in G.O.(Ms) No.221, Agriculture (H1) Department, dated 25.11.2011 so as to boost the implementation of 100% and 75% subsidy programme under National Mission on Micro Irrigation (NMMI).

6. The Government have examined the proposal of the Commissioner of Horticulture and Plantation Crops alongwith the recommendation of the High Level Committee on Micro Irrigation in detail and proposed to accept certain modification to the guidelines already issued and also to incorporate certain new guidelines on Micro Irrigation Scheme. Accordingly, the Government issue the following modification to certain guidelines on Micro Irrigation already issued in the G.O. second read above.

(i) Modifications to "II. Norms for 100% subsidy "

As per the existing guideline, the Unit cost / acre for the closer spacing of 1.2. x 0.6m is Rs.43,816/- and hence the 100% subsidy was extended to the maximum ceiling of Rs.43,816/-per beneficiary irrespective of crops. This gives the impression that monitory ceiling of Rs.43,816 / Acre apply to all spacings. Therefore, the Government now issues the following partial modifications to "II. Norms for 100% subsidy" to the effect that the maximum area to be subsidized will be 5 hectares and within this, there need to be no distinction between small, marginal or large farmer regarding unit cost except regarding the percentage of subsidy i.e. 100% for small and marginal farmers and 75% for other farmers.

The indicative costs for installing (i) Drip Irrigation System, (ii) Micro Sprinkler and Mini Sprinkler Irrigation System, (iii) Drip Irrigation / Fogging / Misting system under Protected Cultivation, (iv) Portable Sprinkler Irrigation System (v) Semi Permanent sprinkler System and (vi) Large volume sprinklers (Rain guns) are given below :-

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**Table-1:- Indicative cost of Installing Drip Irrigation System
for calculation of subsidy**

Cost in Rs. / ha.

Lateral Spacing (m x m)	Area (ha)						
	0.2	0.4	1	2	3	4	5
A. Wide Spaced Crops							
12x12	8057	13785	18820	29928	46467	57809	73611
10x10	8308	14277	20041	32323	50128	62787	79831
9x9	8490	14631	20900	34039	52704	66294	84219
8x8	8673	15088	22028	36217	56087	70893	89964
6x6	9492	16605	26551	44387	71715	86970	109129
5x5	10061	17977	30143	51438	74334	94465	126925
4x4	11177	18621	31793	55725	86926	113812	135459
3x3	12088	20048	36551	63269	97448	122553	153441
2.5x2.5	14939	27092	52230	95083	145227	203823	248954
2x2	18319	31616	63598	123441	179332	249134	305797
B. Close Spaced Crops							
1.5x1.5	21514	35973	74437	141858	211855	292595	360002
2.5x0.6	15463	26791	54909	100906	154213	214153	262885
1.8x0.6	18807	32909	70086	132653	199684	271986	338705
1.2x0.6	24063	43816	97598	185565	280886	378946	474070

**Table-2:- Indicative Cost of Micro Sprinkler and
Mini Sprinkler Irrigation System**

(Cost in Rupees)

Area (ha)	Micro Sprinkler	Mini Sprinkler
Spacing of Sprinkler (mxm)		
	5 x 5	10 x 10
0.2	17019	Not Feasible
0.4	25750	35968
1	51245	74097
2	90070	139142
3	129830	211289
4	175315	271958
5	221628	333150

Table-3:- Indicative Cost of Drip Irrigation / Fogging / Misting System under Protected Cultivation

(Cost in Rupees per Unit)

Sl.No	Particulars	504 Sqm	100 Sqm
1	Green House / Poly House a) High Cost b) Naturally Ventilated	55,000	21,000
2	Shade net	45,000	18,000

Table-4:- Indicative Cost of Portable Sprinkler Irrigation System

(Cost in Rupees)

Area	63 mm	75 mm	90 mm
Upto 0.4 ha	10399	NA	NA
More than 0.4 ha - 1 ha	16993	19044	NA
More than 1.0 ha - 2 ha	24533	27280	NA
More than 2.0 ha - 3 ha	NA	NA	36822
More than 3.0 ha - 4 ha	NA	NA	46438
More than 4.0 ha - 5 ha	NA	NA	52573

Table-5:- Indicative Cost of Semi-Permanent Sprinkler System

Area	Cost (in Rupees)
Upto 0.4 ha	19615
0.4 ha - 1 ha	31832
1.0 ha - 2 ha	60699
2.0 ha - 3 ha	81929
3.0 ha - 4 ha	104689
4.0 ha - 5 ha	127003

Table-6:- Indicative Cost of Large Volume Sprinklers (Rainguns)

(Cost in Rupees)

Area	63 mm	75 mm	90 mm
More than 0.4 ha - 1 ha	24940	30011	NA
More than 1.0 ha - 2 ha	NA	38075	NA
More than 2.0 ha - 3 ha	NA	NA	54112
More than 3.0 ha - 4 ha	NA	NA	62720
More than 4.0 ha - 5 ha	NA	NA	68878

The Commissioner of Horticulture and Plantation Crops is requested to prescribe spacing norms for each crop. Further as in the case of drip irrigation, the type of sprinklers / protected cultivation method recommended for each crop must also be specified to avoid field level confusion.

(ii) Installation of Micro Irrigation System :-

For the existing guidelines issued in G.O.Ms.No.221, Agriculture (H1)Department dated 25.11.2011 under the Installation of Micro Irrigation found at para VI(e) i.e. "the payment to the Micro Irrigation Firms should be made by impounding 10% subsidy amount and it will be released after one year of installation on satisfactory services", the following shall be substituted.

"The payment to the Micro Irrigation Firms shall be made by impounding 2% subsidy amount instead of 10% and 3% of the amount due can be secured through a bank guarantee so as to avoid loading the financing cost on farmers by the vendors. The impounded amount will be released after one year of installation on satisfactory services".

7. In addition to the above modifications, based on the recommendation of the High Level Committee, the Government also issue the following additional guidelines for implementation of Micro Irrigation Scheme:

1.Price Revision: Each company may have its own pricing system. However the company would be required to submit the same to the registering authority / State Level Micro Irrigation Committee at the beginning of the year and as and when the prices are revised by the manufacturer.

The National Mission on Micro Irrigation guidelines only gives the indicative prices to calculate the subsidy portion and also it was based on 2010 raw material prices (which has since increased by 20%)

As per the recommendations of the High Level Committee on Micro Irrigation the Managing Director, Tamil Nadu Horticulture Development Agency may take further action in the matter since the issue relating to price revision comes under the purview of the Tamil Nadu Horticulture Development Agency.

2. Third Party Inspection - The Government authorize the Commissioner of Horticulture and Plantation Crops to appoint a third party inspection agency as per the announcement made in the Budget Speech 2012-2013 for

which the expenditure would be met from the administrative cost of National Mission on Micro Irrigation. This third party inspection in addition to 100 % field verification, should also take photographs of installed system from multiple angles and also photographs of the beneficiary and these photographs should get automatically archived in the server along with the geographical co-ordinates. This system must be handed over to the control of third party Inspector.

3. Mobile Governance: The objective of M-Governance is to develop a mobile phone based software using GIS/GPS and Geo-fencing concepts. Every field surveyed will be identified with its Geo- reference such as GPS co-ordinates (Latitude and Longitude) and Geo-Fencing. When the location-aware device of a Location Based Service (LBS) user, enters or exits a Geo-Fencing, the device receive a generated notification. This notification might contain information about location of the device.

The supervisory officers should visit the field and capture the photograph of the Micro Irrigation Installation. The image/Photograph that is captured will be augmented with GPS coordinates, date and time of capturing the image and also unique identification. The application for this purpose will work only when the mobile phone camera is with a Geo-fencing reference of 3-5 meters. The captured information will be tagged to GIS map using Google map service. An appropriate color coding on the GIS map, will be given for better understanding of the infrastructure availabilities. The images can be monitored by the District implementing officers and high level officers. The cost will be met from the end to end computerization of the Horticulture Department under National Agriculture Development Programme.

4. On line Monitoring : Web based online monitoring system with the website mdtanhoda.gov.in/micro is already in practice in TANHODA for the implementation of National Mission on Micro irrigation. In this system all the District implementation Agencies, (Joint/Deputy Director of Horticulture and Joint Director of Agriculture and Executive Engineer (AED), all the registered Micro Irrigation System manufacturers, Co-operative Sugar mills and private sugar mills have been allotted with unique user ID and password. After the receipt of completed application along with required documents from beneficiary farmers, the application will be registered with ID Number online. All the process involved in the implementation of the National Mission on Micro Irrigation scheme right from Registration of Application, approved by District Technical Committee, giving work completion certification, Check measurement by block level officer and release of subsidy are carried out online. So there is a transparency in the implementation of the National Mission on Micro Irrigation Scheme. The Commissioner of Horticulture and Plantation Crops is requested to take up the modification in the existing online monitoring system in Micro irrigation to make it user friendly.

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5. Disbursing the subsidy directly to the farmers: In the case of farmers who are investing the full cost of installing Micro Irrigation System from the Micro Irrigation Companies approved by TANHODA, the subsidy amount shall be directly disbursed to the farmers. If there are practical difficulties the system may commence with large farmers. The farmers will have the option to choose the appropriate equipment supplier who are registered with Tamil Nadu Horticulture Development Agency (TANHODA).

8. Further, all other existing guidelines for this scheme issued in the Government order second read above shall continue except to the extent modified by this Government Order.

9. This order issues with the concurrence of the Finance Department vide its U.O. No.102/JS(AR)/2013, dated 17.04.2013 .

(BY ORDER OF THE GOVERNOR)

SANDEEP SAXENA,
Agricultural Production Commissioner and
Principal 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 Director of Agriculture, Chennai-600 005.

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

The Chief Executive Officer (i/c) 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 District Collectors.

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

The Accountant General, Chennai-18/By Name

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

The Pay and Accounts Officer (East), Chennai-8.

The District Treasury Officer concerned District

Copy to:-

The Chief Minister's Office, Chennai-9.

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The Special Personal Assistant to Hon'ble Minister for Finance, Chennai.9
The Special Personal Assistant to Hon'ble Minister for Agriculture, Chennai.
The Private Secretary to Agricultural Production
Commissioner and Secretary to Government, Chennai.
The Planning Development and Special Initiative Department, Chennai - 9.
The Finance (Agri) Department, Chennai-9.
Agriculture (WD1, WD2, AE1, AE2 AP4, Sugarcane) Department, Chennai - 9
Concerned file No.5821/H1/2012,
SC/SFs.

//FORWARDED BY ORDER//

W. M. N. S.
19/12
Section Officer

