

No.3/3/Hort/MI/2/2015-16/D.Agri/259
Government of Goa
Directorate of Agriculture,
Horticulture Section,
Krishi Bhavan,
Tonca, Caranzalem - Goa .

Date: 18/8/15

C I R C U L A R

Sub: Centrally Sponsored Scheme on ON FARM WATER MANAGEMENT (OFWM) sub scheme of National Mission for Sustainable Agriculture (NMSA), 2015-16.

Irrigation for agriculture consumes more than 80% of the water resources of the country. Availability of adequate quantity and quality of water is the key to achieve higher productivity levels. Poor irrigation efficiency by conventional irrigation systems has not only reduced the anticipated outcome of investments made towards water resource development but has also resulted in environmental problems affecting crop yields. This, therefore, calls for massive adoption of improved methods of irrigation such as drip and sprinklers including fertigations.

The "On Farm Water Management (OFWM)" scheme will be implemented by the Department of Agriculture during the year 2015-16 as per the new operational guidelines of NMSA.

Guidelines:

- 1) OFWM will focus on enhancing water use efficiency by promoting appropriate technological interventions like drip & sprinkler technologies, efficient water application & distribution system.
- 2) Location and crop specific technologically appropriate irrigation systems should be propagated ensuring least cost burden to the farmers / beneficiaries.



(2)

- 3) The water resources developed through watershed development programmes and under State Sector Scheme "Development of Horticulture" should invariably be linked with the activities of OFWM component for their potential use.
- 4) Depending upon the type of crop, a farmer can avail assistance for Sprinkler as well as Drip Irrigation but the combined area should not exceed 5.0 hectare per beneficiary. However, assistance for both Sprinkler and Drip Irrigation will not be available for a crop on the same plot/field being cultivated by the farmer. Moreover, assistance for Sprinkler Irrigation alone which is less efficient than Drip Irrigation should be discouraged.
- 5) It may be ensured that atleast 25% of micro irrigation target allocated to the zone is used for crop sector. Assistance to each farmer under OFWM component will be restricted to a farm size of 5 ha. However, beneficiaries who have already availed the benefit of assistance for micro irrigation cannot avail further assistance for the same land for the next 10 years.
- 6) New system installed by approved manufacturer which have not availed any subsidy in past under any of the Government Schemes shall be eligible for assistance under the scheme.
- 7) Assistance for Sprinkler Irrigation will be limited to only those crops where Drip Irrigation is uneconomical. Co-operative Societies/Self Help Groups (SHG)/Incorporated companies with agriculture development as their mandate will also be entitled to avail assistance on behalf of its members. In such cases the individual beneficiary will receive assistance through the Cooperative Society/Self Help Groups (SHG)/Incorporated Companies and not directly.



(3)

- 8) Indicative requirement of material for Micro Irrigation system shall be as per the operational guidelines of Government of India under National Mission for Micro-Irrigation, 2010.
- 9) The drip system should be installed and commissioned to the satisfaction of the farmer by the dealer registered / empannelled by the Directorate of Agriculture, Goa.
- 10) Financial assistance to the beneficiary shall be limited to 35% of the total cost of installation for small and marginal farmers and 25 % for General Farmers.
- 11) The cost of Drip Irrigation system will be 15% higher than the indicative costs as Goa is classified under "Category B" State. The 15% higher cost is not applicable for sprinkler system.
- 12) Additional subsidy as per the cost will be provided from the State Sector Scheme for Development of Horticulture.
- 13) The Indicative cost of Installation of Drip Irrigation system and sprinkler system for different spacing and land size is as below.

1) Drip Irrigation system

Area					Cost in ₹
Lateral Spacing (M)	1 ha	2 ha	3 ha	4 ha	5 ha
A. Wide Spaced crops					
8m & above	23500	38100	59000	74100	94200
4m to <8m	33900	58100	89300	113200	142400
2m to <4m	58400	108000	161800	220600	271500
B. Closed Spaced crops					
1.2m to <2m	85400	161300	243400	332800	412800
<1.2m	100000	193500	292100	399400	495400

(4)

II) Sprinkler Irrigation System.	
a) Micro Sprinkler	- ₹58,900/- per ha
b) Mini Sprinkler	- ₹85,200/- per ha
c) Portable Sprinkler	- ₹19,600/- per ha
d) Semi Permanent System	- ₹36,600/- per ha
e) Large Volume Sprinkler	- ₹ 31,600/- per ha

GENERAL GUIDELINES FOR IMPLEMENTATION

1. The benefit under the programme would be extended to the individuals as described in Circular No. 1/IT/Websites/2015-16/D.Agri/22, dated 15-07-2015, circulated earlier. Registered non Government Organizations/Self Help Groups/group of farmers through the authorized leader/signatories are also eligible for the subsidy.
2. The preference should be given to SC/ST, MF/SF, and women farmers and should be recorded in the completion certificate.
3. Farmers shall be required to apply in form placed at Annexure 'A' along with form I.
4. The claims for subsidy will be entertained only against the receipt of original vouchers / bills unless submitted to the bank in which case the duly authenticated vouchers / bills by the concerned bank will be entertained for the claim.
5. The beneficiary should compulsorily display the board of minimum size of 3 feet x 2 feet stating that the unit has been subsidized by the Directorate of Agriculture under the above programme as per the specification of the board and the sample copy at Annexure 'B' and certificate to that extent be given by Zonal Agricultural Officer. The cases would be assisted only on receipt of a hard copy/of photo displaying the said specified board.



(5)

6. The administrative approval for the Drip/Sprinkler Irrigation system will be given by the concerned ZAO upto the subsidy amount of ₹1.50 lakh and cases of above ₹1.5 lakh should be forwarded to the District Agricultural Officer concerned for administrative approval.
7. If farmer has obtained loan from bank, the eligible subsidy amount will be released to bank against the loan account on production of authority letter to that effect.
8. Beneficiary will have to purchase the Drip/Sprinkler System only of a registered company through their registered authorized dealers empannelled by the Directorate of Agriculture, Goa. Zonal Agricultural Officers should advise the applicant/farmer to purchase and install the MI system from one dealer only.
9. The completed cases should be inspected and submitted to the District Agricultural Officer concerned for sanction of eligible subsidy (with all enclosures in one file as listed below).
 - a) Application form from the farmers (Indicating receipt of ₹20/- clearly).
 - b) Copy of Krishi Card.
 - c) Design of layout on Survey Plan.
 - d) Original receipt of the Drip/Sprinkler System from the authorized registered dealer having received payment duly certified by Zonal Agricultural Officer. The receipt should be only for the items specified by Government of India in the list for indicative material and indicative costs under operational guidelines of National Mission on Micro Irrigation, November 2010 booklet.
 - e) Calculation sheet for subsidy calculation, duly signed by Assistant Agricultural Officer and the Zonal Agricultural Officer. (Annexure 'D')

→6




(6)

- f) Completion certificate from Zonal Agricultural Officer - Form II.
- g) Letter of the bank as financing institution, if any.
- h) One set of GAR-32 for state subsidy and one set for Central Sector subsidy.
- i) Authority letter, if any, to pay the eligible subsidy to Micro Irrigation Company if done on credit.

The targets for "On Farm Water Management Scheme" during 2015-16 for Drip Irrigation and for Sprinkler Irrigation is allotted to zones on as per Annexure I of State Sector Scheme for Development of Horticulture Circular 2015-16.

All the ZAO's should make concerted efforts to implement the above scheme.


(Orlando Rodrigues)
State Mission Director
Director of Agriculture

Encl: a/a.

To,
The Zonal Agricultural Officer, (All)

Copy to:

1. The Managing Director, Goa State Horticultural Corporation Ltd., Tonca, Caranzalem Goa.
2. Programme Co-ordinate, KVK (S), Margao, Goa
3. District Agriculture Officer, North/South.
4. The Assistant Director of Agriculture (P&E), Directorate of Agriculture
5. The Assistant Director of Agriculture (F.T), SAMITI, Ela, Old-Goa
6. The Farm Superintendent, Government Agricultural Farm, Codar/Kalay
7. Coordinators at Head Quarters..... (All)

ANNEXURE 'A'

APPLICATION FEE '20/-

Receipt No.

Date:

APPLICATION FORM FOR ASSISTANCE FROM AGRICULTURE DEPARTMENT

To,
The Zonal Agricultural Officer,

Sub: Application for _____

Sir/Madam,

I hereby request for assistance as per the details attached herewith for the above Scheme.

(1) Applicant's Name in Capital: _____

(2) Applicant's Full Address: _____

(3) Adhar Card No./Registration No: _____

(5) Savings Bank Account No.: _____ (4) Phone No. _____

(6) Name of Bank _____ Branch _____

LAND DETAILS:

(1) Survey No.: _____ (2) Area: _____ (3) Village: _____

DECLARATION

I hereby declare and affirm that the property proposed for development/cultivation as above is in my exclusive possession by virtue of inheritance, lease, ownership, power of attorney, tenancy, co-owner and I am rightfully authorized for taking up the above activity.

I undertake to obtain all the approvals/NOCs required for the above activity from the Competent Authorities.

I hereby declare that the assistance sought by me will be used for the purpose for which it is granted and in the event of non-utilization for the specified purpose, I undertake to refund the full cost of the benefit extended to me, failing which, I authorize the Government to recover the same as revenue recovery.

I hereby admit that the assistance if provided will be based on my own submissions and that in case of any dispute on the title of the land, the assistance availed will not be construed or used as legal evidence or proof for establishing title to the said property.

I hereby indemnify the Department of Agriculture towards damages or losses if any caused by the said activity. I also declare, that I have not obtained any assistance towards the present proposal.

The officials of the Department of Agriculture will be free to inspect the activity proposed as and when required.

I hereby authorize the Department of Agriculture to credit the financial assistance admissible to me to my bank account.

Signature of the farmer:

Name:

: 2 :

b) If the system is for plantation crop
any inter crop is taken

:

c) If yes, the type(s) of intercrop.

:

12) MI Company selected by the farmer

:

13) Total area under Irrigation

:

14) Source of Irrigation Water River/
Bore well/Open well/Canal water/
Farm pond/others

:

15) Depth of the water table in of case of well:

:

16) Daily usage time

(no. of hour it can be used

:

17) If canal, type of provision made for
storage

:

a) dimensions of reservoir (lxbxd)

:

18) Any farm pond available for supply
of water

:

a) If yes the dimensions of the pond (lxbxd)

:

19) If there is no water source then

:

20) What is the plan

:

Quality of the irrigation water & soil to
be irrigated attached analysis report

21) Hrs. of electricity available daily

:

22) Time of electricity available

:

23) Horse power of the electrical/diesel engine:

:

24) Dimensions of the area to be irrigated

(L x B) (Attach lay out design)

:

25) Soil is problematic or good (enclose copy):

:

26) Soil depth

:

27) Water table depth in the land(Summer):

:

FORM - 1

**GOVERNMENT OF GOA
ON FARM WATER MANAGEMENT (OFWM)
APPLICATION FORM FOR DRIP / SPRINKLER ASSISTANCE**

- 1) Name of the applicant :
- 2) Father's/Husband's Name :
- 3) Village: Taluka: District :
- 4) (a) Caste (SC/ST/OBC/Others):
- (b) Gender (M/F)
- (c) Category (SF/MF/BF)
- 5) Age :
- 6) Address for correspondence:
- (a) House No (b) Ward No
- (c) Village/Municipality (d) Taluka
- (e) District: (f) Pin Code No.
- (g) Contact Telephone No.....
- (h) Mobile No.
- 7) Total area owned : ha
- 8) Survey Number(s) of the fields:
- 9) Krishi card No:.....
- 10) Details of crops for which Micro Irrigation facility already availed.
(a) Survey No. (b) Village
- (c) Taluka: (d) Name of the Crops:
- (e) Area under MIS (Ha.) (f) Year of Installation:
- (g) Type of system - Drip/sprinkler:
- (h) Name of the MI company
- (i) Year and amount of subsidy availed.
- 11) a) Details of crops for which new Micro Irrigation facility is applied.

Sr. No	Name of the		Survey No.	Crop (s)	Area proposed (in ha)	MI system required (Drip/Sprinkler)
	Village	Taluka				

28) a) Name of the Bank & Branch where
Loan is proposed to be applied for

:3:

.....

Certified that all the above said particulars are true. If anything is found to be wrong my application can be rejected without any prior intimation

.....
Signature of the Applicant/Beneficiary

.....
Certificate by the farmer

1. I/We certify that, I/We have not availed subsidy for Micro Irrigation System under G.O.I scheme before any time (or) Availed subsidy of for an area ha under GOI/NABARD programme. (Strike out which is not applicable).
2. I/We certify that I/We agree that I/We will not either sell or donate land my/our system to anybody for a period of Five years.
3. I/We agree to allow any Officers from Agriculture Department any other Officers authorized by Government to inspect the system installed in the field any time during the period of 5 years.
4. I declare that I am cultivating the said area at my responsibility and risk and I indemnify the Government of Goa against any legal or financial responsibilities.

In case of violation of above I/We shall pay back the entire subsidy amount to the Government.

Date:

.....
Signature of Applicant/Beneficiary

:4:

The following Certificates /Documents are attached:

1. Copy of Krishi card & land document. (From I & XIV).
2. Copy of 1st page of Bank Pass book indicating the account number, IFSC Code / MICR Code or Mandate form from bank
3. Field map along with the survey number and hectarage of field in his name with design of lay out on survey plan and discharge/emitter.
4. Consent letter from the neighboring farmer from whom he wishes to take water in case he does not have a water source.
5. Estimate statement Quotation for /Drip/Sprinkler system from the dealer

APPROVAL

This is to certify that the case of Shri/Smt has been inspected by me and it is observed that ha of area under crop shall be covered under Drip/Sprinkler system. The estimates given by the dealer are appropriate and farmer shall be eligible for subsidy of around ₹..... The case of Drip/Sprinkler Irrigation is hereby recommended for approval. The installation is linked to subsidy at source or to the loan proposed to be financed by bank.

Office of Zonal Agricultural Officer.....

Inspected by:

Zonal Agriculture Officer

Assistant Agriculture Officer

:5:

Certificate by MI Engineer of MI Company concerned

This is to certify that the irrigation source available with farmer including power sources (either Oil Engine or Electrical Motor) are technically feasible for installation of Micro Irrigation System (Drip / Sprinkler) in respect of

Shri/Smt..... of

Village.....

Design of the Irrigation System duly signed by us is attached herewith.

Date:

.....
Signature with his stamp of MI Engineer
of the MI Company

Form II

: 1 :

COMPLETION REPORT

This is to certify that the Drip/Sprinkler system in respect of Shri/Smt _____ resident of _____ has been installed and fully commissioned on _____. The subsidy eligible of ₹ _____ for _____ ha area may be released at your earliest to _____ company/farmer.

Date: _____

Place: _____

Seal & Signature of MI Company

CERTIFICATE

Certified that the Drip/Sprinkler system installed and commissioned in my property bearing Survey No. _____ for _____ area is working to my full satisfaction. The eligible subsidy may be released to above Micro Irrigation Company/ to my Loan Account No. _____ / to me directly at your earliest.

Date: _____

Place: _____

Signature of farmer: _____

To be filled by Zonal Agricultural Officer

I, Shri/Smt _____ Assistant Agricultural Officer have inspected the Drip/Sprinkler set on _____ of the above beneficiary and the same is working satisfactorily with the designed discharge. The information furnished by the applicant and the MI Company is verified and found to be correct. The farmer has availed subsidy during the year _____. The balance eligible subsidy of _____ in Survey No. _____ for area of _____ ha is recommended for approval. The case is registered at Book No. _____ Page No. _____ during the year _____.

Assistant Agricultural Officer: _____

Countersigned by: _____

Zonal Agricultural Officer: _____

ANNEXURE - B

Sample for display of Board with size 3 ft x 2 ft

ASSISTED BY:
DIRECTORATE OF AGRICULTURE,
GOVERNMENT OF GOA

Under State Sector Scheme and Central Sector Scheme
On Farm Water Management

- | | |
|-------------------------|-------------------------------|
| 1. Component | : Drip / Sprinkler Irrigation |
| 2. Name of farmer | : |
| 3. Village | : |
| 1. Area | : |
| 2. Crop | : |
| 6. Date of installation | : |

- N.B:**
1. The Minimum size of the display board should be 3ft X 2 ft
 2. The Display board should be of permanent nature, prepared of foam board (5mm thickness) or Alluminium composite panel (ACP), etc. Flex board will not be acceptable.
 3. The board should be displayed prominently near the project.

ANNEXURE 'C'

Indicative Price of Optional Components

Sr.No	Optional Component	IS No.	Approx. Price (in ₹)	
1	<i>Sand Filter with Back Wash Assembly</i>			
	a	10 m ³ / hr x 1.5*	14606	8500
	b	20 m ³ / hr x 2*	14606	11500
	c	25 m ³ / hr x 2*	14606	14000
	d	30 m ³ / hr x 2.5*	14606	16000
	e	40 m ³ / hr x 2.5*	14606	18000
	f	50 m ³ / hr x 3*	14606	24000
2	<i>Hydrocyclone Filter</i>			
	a	20 m ³ / hr x 2*	14743	3500
	b	25 m ³ / hr x 2*	14743	4000
	c	30 m ³ / hr x 2.5*	14743	5500
	d	40 m ³ / hr x 2.5*	14743	6000
	e	50 m ³ / hr x 3*	14743	6500
3	<i>Fertilizer Tank with Assembly</i>			
	a	30 liters	Not available	2800
	b	60 liters	Not available	5000
	c	90m liters	Not available	6500

ANNEXURE 'D'

Scheme: State Sector Scheme Development of Horticulture

Name of farmer: _____
 Type of Micro Irrigation system _____
 Lateral Spacing _____
 Type of crop _____
 Category _____

Calculation sheet for Micro Irrigation subsidy under Central Sponsored Scheme - National Mission on Micro Irrigation (NMMI) and State Sector Scheme Development of Horticulture - Assisatnce for Micro Irrigation 2015-16.

Compon ent /items	Total cost as per bills (₹) Excluding VAT	Maximum 70%/90% subsidy on column 1 (₹)	Area under Micro irrigation (ha)	Standard costs as per Government of India norms (₹) including 15% extra costs	Average ₹ 4000/- is deducted if screen filter not included in system from Sr. no. 5 (₹)	Actual costs admissible as per Government of India norms		35% subsidy admissible under NMMI on col no.6 Total cost: (₹) (₹)	Standard cost under SSS (50%) above Govt of Indian costs(₹) on col no. 5	Actual admissible costs under SSS as per bill (₹) not exceeding amount of col no. 11	Subsidy admissible on costs under SSS 70%(₹) / 90% of col no. 11	
						Cost of material (₹)	Cost of installatio n (₹)					
1	2	3	4	5	6	7	8	9	10	11	12	13

Total Subsidy payable (₹) (Col-13)
 Under State Sector Scheme (₹) (Col 13-10)
 under Central Sponsored Scheme (NMMI) (₹) (Col -10)

COMPLETION CERTIFICATE

- 1) Certified that the Micro Irrigation system installed is through the registered dealer and is commissioned to the full satisfaction of the
- 2) Certified that the claim is inspected by the undersigned and is found correct in accordance with eeh guidelines in force.
- 3) Certified that the claim has been registered in this office register no. _____ page no. _____

 Signature of
 Assistant Agricultural Officer

 Signature of
 Zonal Agricultural Officer