CIRCULAR

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.
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.
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 / empanelled 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

<table>
<thead>
<tr>
<th>Area Lateral Spacing (M)</th>
<th>1 ha</th>
<th>2 ha</th>
<th>3 ha</th>
<th>4 ha</th>
<th>5 ha</th>
<th>Cost in ₹</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Wide Spaced crops</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8m &amp; above</td>
<td>23500</td>
<td>38100</td>
<td>59000</td>
<td>74100</td>
<td>94200</td>
<td></td>
</tr>
<tr>
<td>4m to &lt;8m</td>
<td>33900</td>
<td>58100</td>
<td>89300</td>
<td>113200</td>
<td>142400</td>
<td></td>
</tr>
<tr>
<td>2m to&lt;4m</td>
<td>58400</td>
<td>108000</td>
<td>161800</td>
<td>220600</td>
<td>271500</td>
<td></td>
</tr>
<tr>
<td>B. Closed Spaced crops</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2m to &lt;2m</td>
<td>85400</td>
<td>161300</td>
<td>243400</td>
<td>332800</td>
<td>412800</td>
<td></td>
</tr>
<tr>
<td>&lt;1.2m</td>
<td>100000</td>
<td>193500</td>
<td>292100</td>
<td>399400</td>
<td>495400</td>
<td></td>
</tr>
</tbody>
</table>
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.
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 empanelled 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')
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 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: ____________________________ (4) Phone No. ____________________________
(5) Savings Bank Account 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:
b) If the system is for plantation crop
   any intercrop 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 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 (lxbyxd)

18) Any farm pond available for supply
    of water
   a) If yes the dimensions of the pond (lxbyxd)

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 (SP/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.

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of the Village</th>
<th>Survey No.</th>
<th>Crop(s)</th>
<th>Area proposed (in ha)</th>
<th>MI system required (Drip/Sprinkler)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
28) a) Name of the Bank & Branch where Loan is proposed to be applied for

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
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 ..............................
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**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Component</td>
</tr>
<tr>
<td></td>
<td>Drip / Sprinkler Irrigation</td>
</tr>
<tr>
<td>2</td>
<td>Name of farmer</td>
</tr>
<tr>
<td>3</td>
<td>Village</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Area</td>
</tr>
<tr>
<td>2</td>
<td>Crop</td>
</tr>
<tr>
<td>6</td>
<td>Date of installation</td>
</tr>
</tbody>
</table>

**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 Aluminium 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

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Optional Component</th>
<th>IS No.</th>
<th>Approx. Price (in ₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sand Filter with Back Wash Assembly</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a 10 m³/ hr x 1.5&quot;</td>
<td>14606</td>
<td>8500</td>
</tr>
<tr>
<td></td>
<td>b 20 m³/ hr x 2&quot;</td>
<td>14606</td>
<td>11500</td>
</tr>
<tr>
<td></td>
<td>c 25 m³/ hr x 2&quot;</td>
<td>14606</td>
<td>14000</td>
</tr>
<tr>
<td></td>
<td>d 30 m³/ hr x 2.5&quot;</td>
<td>14606</td>
<td>16000</td>
</tr>
<tr>
<td></td>
<td>e 40 m³/ hr x 2.5&quot;</td>
<td>14606</td>
<td>18000</td>
</tr>
<tr>
<td></td>
<td>f 50 m³/ hr x 3&quot;</td>
<td>14606</td>
<td>24000</td>
</tr>
<tr>
<td>2</td>
<td>Hydrocyclone Filter</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a 20 m³/ hr x 2&quot;</td>
<td>14743</td>
<td>3500</td>
</tr>
<tr>
<td></td>
<td>b 25 m³/ hr x 2&quot;</td>
<td>14743</td>
<td>4000</td>
</tr>
<tr>
<td></td>
<td>c 30 m³/ hr x 2.5&quot;</td>
<td>14743</td>
<td>5500</td>
</tr>
<tr>
<td></td>
<td>d 40 m³/ hr x 2.5&quot;</td>
<td>14743</td>
<td>6000</td>
</tr>
<tr>
<td></td>
<td>e 50 m³/ hr x 3&quot;</td>
<td>14743</td>
<td>6500</td>
</tr>
<tr>
<td>3</td>
<td>Fertilizer Tank with Assembly</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a 30 liters</td>
<td>Not available</td>
<td>2800</td>
</tr>
<tr>
<td></td>
<td>b 60 liters</td>
<td>Not available</td>
<td>5000</td>
</tr>
<tr>
<td></td>
<td>c 90m liters</td>
<td>Not available</td>
<td>6500</td>
</tr>
</tbody>
</table>
**ANNEXURE ‘D’**
Scheme: State Sector Scheme Development of Horticulture

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


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

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 the 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