

GOVERNMENT OF KARNATAKA
(Department of Horticulture)

No.DH/JDH/(Drip)/SADH/AHO-3/42/2021-22

Office of Directorate,
Lalbagh, Bangalore-04,
Dated:- 02-03-2022.

REGISTRATION DOCUMENT

Sub: Notification for registration of Drip irrigation & Sprinkler irrigation equipment manufacturers under Centrally Sponsored Scheme (CSS) on Per Drop More Crop under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-for the plan period (2022-23 to 2026-27)

Applications are invited from Drip irrigation & Sprinkler irrigation system manufacturers for registration to install Drip/ Sprinkler System in the farmers' field all over the state under Micro Irrigation program of Per Drop More Crop component under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-Centrally sponsored Scheme implemented by Horticulture, Agriculture, Sericulture and Watershed Departments for the plan period 2022-23 to 2026-27. The department of Horticulture /State Level Sanctioning Committee (SLSC) reserves the right to extend or restrict this registration to any other department or extend or restrict the time period if it deems fit.

The registration process will be open throughout the year till the end of plan period (31-03-2027). The registration for the plan period starts from 10th March 2022, the last date for uploading the documents in **HASIRU** software for the registration for the 1st instance will be 30th of March 2022. The documents uploaded by the company after 30th march will be considered for registration once in every three months subsequently. The Department reserves the right to stop registration process at any time without prior notice. The terms and conditions are as follows.

Terms and conditions:

1. Manufacturers Qualification

1.1 The companies willing to register should be manufacturing below mentioned components and own BIS in their name:



- a) In case of drip irrigation, company must manufacture atleast laterals and emitting devices as specified conforming to BIS standards. For online drip irrigation systems the company should be manufacturing lateral tubing as well as drippers as per BIS and for inline drip irrigation systems, the company should be manufacturer of inline emitting pipe.
 - b) In the case of portable sprinkler irrigation system the company should manufacture coupled HDPE pipes or sprinklers and should possess respective BIS Certificates.
 - c) In the case of other sprinkler irrigation systems viz. Mini, Micro, Semi permanent sprinkler systems the company should manufacture either of HDPE/PVC/PE pipes/nozzles and should possess respective BIS Certificates.
 - d) In the case of large volume sprinkler irrigation system (rain gun sprinklers) the company should manufacture HDPE pipes or nozzle and should possess respective BIS Certificates.
- 1.2 The company must provide guarantee of quality assurance of other components which are not manufactured by them in various technologies covered under the scheme.
- 1.3 The company must provide free after-sales service to the farmers for at least five years from date of the installation of the system. Moreover, they should set up service centers as explained in annexure-1 in their service area atleast at district level for providing technological support at the grass-root level.
- 1.4 The companies shall supply only BIS approved and marked material as specified in Annexure-4.
- 1.5 In case the company intends to supply imported components, it should have prior approval of Department of Agriculture and Farmer Welfare (DA&FW) Government of India subject to indigenization of the manufacturing of components within a period of two years. In case of imported equipments, the required acceptance will be provided by National Committee on Plasticulture Application in Horticulture (NCPAH) after proper examination and verification and upon submission of report to DA & FW for approval.



- 1.6 The manufacturer should have a minimum business turnover of Rs.100 lakhs per annum for last three consecutive years or a total turnover of Rs.300 lakhs for last three years in case of small scale industries located in Karnataka and in case of others Rs.500 lakhs per annum for last three consecutive years or a total of Rs.1500 lakhs for last three years 2018-19, 2019-20 and 2020-21. In case of small scale companies of Karnataka for registration and whose turnover is less than Rs.100 lakhs per annum the Department of Horticulture reserves the right to consider such companies for qualification. In such cases transaction years will be considered from the date of registration or last three years whichever is less but not less than one year. Original copy of statement of accounts duly signed by the chartered accountant shall be uploaded.
- 1.7 The manufacturer shall furnish a bank guarantee, of Rs. 5,00,000/- (Rs. Five lakhs only) for drip and Rs. 3,00,000/- (Rs. Three lakhs only) for sprinkler separately valid for a minimum period of Five (5) years and Six (6) months. The Department and / or SLSC reserves the right to increase the Bank Guarantee if it deems fit.
- 1.8 Manufacturer should agree to the common rate fixed from time to time for different components by the Department/ Implementing Agency (IA)/SLSC of PMKSY Government of Karnataka. Only those companies who agree to this condition may apply.
- 1.9 Any ISI/BIS certificates expiring during the registration period should be renewed and furnished within 45 days from the date of expiry. If the material installed by the manufacturer does not meet the BIS/ ISI standards or if the material is of bad quality on the basis of test report from CIPET, the Director/ Mission Director of Horticulture is empowered to initiate suitable action against the manufacturer.
- 1.10 The registration will be normally valid for the plan period (2022-23 to 2026-27). The department/ SLSC/ reserves the right to restrict/ extend the period of registration with or without assigning any reason.
- 1.11 The manufacturer should have ability to extend services of installation of Micro Irrigation systems in the farmers field. They should have qualified/technically trained staff having complete knowledge of micro irrigation systems and required knowledge and capabilities of designing of micro irrigation systems, the


company should have atleast one representative for every 2 districts. The names, address and contact no. of such staff shall be uploaded.

- 1.12 Normally the registration will be applicable for entire state as area of operation. If a company/ manufacturer has limited number of qualified persons and other resources they can restrict their area of operation accordingly to the part which is not less than 5 districts. The decisions on area of operation of any company may be restricted by the department/SLSC if it deems fit.

2. The Manufacturer/ Company's roles and responsibilities

- 2.1 The manufactures should have network for providing after sales service as defined in annexure-1 in their areas of operation. Operation and maintenance of the system, though simple, requires training for maintenance, fertigation, chemigation etc. in the initial stage. Therefore the manufacturers, should provide detailed operational and maintenance manuals in the vernacular language at the time of installation of the system.
- 2.2 The Company/Manufacturer shall assess the crop water requirement as per the crop for which the system is to be provided.
- 2.3 The Company/Manufacturer shall design the system as per the crop water requirement, water availability, soil type, field conditions etc.,
- 2.4 The Company/Manufacturer shall prepare an estimate/ quotation of materials required, cost and submit it to the concerned Department/IA. Company should install the system within the time stipulated by Department/IA.
- 2.5 As per the layout, design and crop requirement the size/capacity and quantity of materials should be used and supplied to the farmers. Excess and irrelevant materials shall not be used.
- 2.6 The material should be supplied directly by the manufactures. In all cases, the manufacturers should authenticate the invoices, bills, designs and completion certificate.
- 2.7 The registered company will also be responsible for installation of the efficient Micro Irrigation system in the farmers' field along with supply of materials.



- 2.8 The manufacturer/company themselves should assist the beneficiary in submitting records and bills to the concerned departments for the purpose of obtaining assistance under the scheme.
- 2.9 The company should establish after sales service center per district in the area of operation. Service centers and / or offices of drip / sprinkler system manufacturers / authorized distributors should have facilities to provide technical guidance on system maintenance schedules, supply spare parts and ensure satisfactory performance of the system during the warranty period. The manufacturer should also operate a toll free customer care number where beneficiaries can register their complaints. List of service centers/offices/offices of authorized distributors with full address/telephone numbers/e-mail should be widely published. If any system manufacturer fails to provide such service, action will be initiated against such manufacturers. The manufacturer would be responsible for any dispute arising from the supply of their product/component.
- 2.10 In the event of any MI system components getting broken or damaged during installation and trial run at the site before handing over the system to the customer farmer MIS Supplier shall replace the same free of cost.
- 2.11 Free after sales should be provided by the manufacturer at least for five years. If any system manufacturer fails to provide such free service, appropriate action will be taken against them, including and not limited to forfeiting of bank guarantee/ security deposits and blacklisting.
- 2.12 The manufacturer should take the responsibility for any disputes arising from the supply of their product through their distributors or representatives.
- 2.13 The SLSC/Departments/ IAs are free to take strong punitive measures including and not limited to penalty of Rs. 50,000/- or above, forfeiting of bank guarantee, black listing and legal action against erring companies as well as against their manufacturers/ suppliers, in order to safeguard the interests of farmers and to ensure effective utilization of public funds.
- 2.14 MIS Supplier will have to train the Customer farmers for running of MIS and its maintenance so that the system can be operated by the farmer trouble free and a certificate in this respect should be submitted to the department.
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- 2.15 Manufacturer must provide "user manual", "Fertigation schedule" and orientation training regarding operation and maintenance of Drip /Sprinkler equipments to the farmers in vernacular language.
- 2.16 The warranty/guarantee for the components / equipment used in MIS shall be atleast three years from the date of handing over the MI system to the farmer by the MIS supplier. If any equipment / component is found to have manufacturing defect or poor workmanship within the warranty period, they shall replace the same free of cost within fifteen days of intimation and if repairs are required, it shall also be carried out by company within the period of five days at companies cost without any demur or dispute.
- 2.17 Due to normal wear and tear, if any parts / components require repairing / replacement during the period of 5 years from the date of acceptance of MI System by the farmer, the MIS supplier will supply the same at the price fixed by the department and recover the cost from the farmer.
- 2.18 There could be extension campaigns by the MI companies at a centralized location having area nodal officials, farmers & other related officials. Various aspects of system maintenance, acid treatment, fertigation etc. could be covered.
- 2.19 The campaigns by companies should cover all beneficiaries under warranty period & could be as under:
- | | |
|--|---------------------|
| More than 5000 ha area coverage in the state | Atleast 6 campaigns |
| 1000-5000 ha area coverage in the state | Atleast 4 campaigns |
| Less than 1000 ha area coverage in the state | Atleast 2 campaigns |
- 2.20 The manufacturer shall provide a copy of Aadhar card of the Proprietor in case of Proprietary Ownership/ All the partners in case of Joint company, all the Directors in case of limited/Pvt Ltd companies.
- 2.21 The manufacturer should provide the BIS documents mentioning the capacity of filters outsourced by the company.

3) Quality Control

- 3.1 The crucial aspect of supply of micro irrigation system is the quality of the hardware delivered to the farmer. Poor quality have an adverse impact on performance of the system which may affect yield of the crop, quantity of water

applied, quantity of fertilizer delivered to the plant etc. It may also increase energy consumption. In fact, sub standard system will not only adversely impact performance, but could also reduce the durability and the life of the components and / or system, hence the company should supply quality materials only.

- 3.2 Frequent surveillance by inspection teams comprising officials from Department of Horticulture, Department of Agriculture, National Committee on Plasticulture Application in Horticulture NCPAH/ Precision Farming Development Center (PFDC), Central Institute of Plastics Engineering & Technology (CIPET), Irrigation Association of India (IAI), BIS and Technical Support Group (TSG) will be taken up. The random samples will be drawn and checked. At the time of inspection, the system should be fully functional.
- 3.3 In case of any dispute in quality the aggrieved may appeal to the district level officer, and then to the respective head of the departments. The decision of the concerned head of the department will be final in this regard.
- 3.4 In order to ensure supply of BIS quality materials to the farmers, the manufacturers, who are registered to participate in MI scheme, should manufacture only such components which have BIS certification. It will be the responsibility of the Irrigation Association of India (IAI) to promote the quality assurance mechanism by registering only such manufacturers who give an undertaking to this effect, as Members of IAI.
- 3.5 The representatives of the departments, implementing agency, SLSC/ Government of Karnataka will have an authority to inspect any manufacturing unit, godowns of manufacturers and to draw samples and test the materials. Any defects found will lead to disqualification of that manufacturing company.
- 3.6 Registration of the M.I System manufacturers will be done by the SLSC. Only those Manufacturing Companies which have all the facilities to ensure the quality of product as per BIS standards and who can provide prompt after sales services as defined in annexure -1 will be registered. Companies who wish to participate in Scheme implementation of MI should either manufacture all the major drip/ sprinkler components within their factory or in collaboration with specialized manufacturers. While registering, the manufacturers should declare the technical details of the components proposed to be manufactured and supplied. However in any case they should not be below BIS standards.

3.7 The company should possess the respective BIS certificate for the component manufactured by the company. A copy of valid BIS certificate should be uploaded in HASIRU software with respect to each component. Further the company should provide guarantee of quality assurance of other components which are not manufactured by it and procured by the other companies in various technologies (Drip irrigation, micro sprinkler, etc.,) covered under this scheme. The copy of MoU signed with respective companies with whom the components are procured should be uploaded. A copy of BIS certificate for such components of the respective companies should also be uploaded. In case validity of BIS certificate(s) expires during the period of registration the company shall submit renewed / a fresh BIS certificate within 45 days of expiry.

3.8 The joint inspection teams formed by SLSC/ Department would visit the fields within a period of three years from date of installation of the system. At the time of inspection the system should be fully functional. Samples for testing would be collected jointly by the joint inspection team, state nodal officer and the company representative in triplicate and shall be sent to CIPET / BIS or any other approved product testing laboratories for testing. After getting the test report and the results shall be subjected to scrutiny for conformity / non conformity. In case of non conformity suitable action shall lie against company as per punitive clause (6) mentioned in the registration document.

4 Implementation of the scheme

The following points are to be considered by the manufacturers while implementation of the scheme.

4.1 To ensure that no service charge shall be levied by any company/their representative entrusted with the task of commissioning of the drip/ sprinkler system

4.2 The company will install the system and commission it to the satisfaction of the farmer duly ensuring that:

- a. Good quality components having BIS mark are installed in the farmer's field
- b. The installed system matches the water requirement of the crop.
- c. Necessary orientation and training is given to the farmers on the agronomic practices to be followed for irrigating the crop with drip/sprinkler irrigation

and a certificate in this respect is submitted to the IA/Department concerned.

- d. Proper warranty and a user's manual for running & maintenance of the system whether drip or sprinkler or both, as the case may be is provided to farmer.

The important aspects of mode of implementation has been briefed in Annexure-2, the manufacturers should adhere to it.

5. Norms for Registration


- 5.1 The Drip/Sprinkler equipment manufacturing companies should pay non refundable registration fee of Rs. 50,000/- (Rs. Fifty Thousand only) for Drip and Sprinkler irrigation system separately through online in the Department software "**HASIRU**" web portal at the time of uploading of the document.
- 5.2 The manufacturing company willing to register for both Drip and Sprinkler Irrigation shall upload the documents specified for both M.I Systems. In such case registration fee of Rs.1,00,000/- (Rs. One lakhs only) must be paid online in **HASIRU** portal.
- 5.3 The registration form should be duly signed and uploaded. In case of Proprietary concern, affidavit of ownership and GST registration copy should be uploaded. In case of Partnership Firm a copy of the GST certificate and partnership deed should be uploaded. In case of limited and private limited companies GST registration copy and Registration/ Incorporation copy of the company should be uploaded.
- 5.4 The Registration document can be downloaded from the website: <https://horticulture.dir.karnataka.gov.in>. The duly filled in application along with all required documents should be uploaded within the prescribed date in the department software "**HASIRU**" Portal (<https://hasiru.karnataka.gov.in/>). The user manual for uploading the documents for online registration will be made available in HASIRU Portal.
- 5.5 The manufacturer should submit Rs. 5,00,000/- (Rs. Five Lakhs Only) for Drip component and Rs 3,00,000/- (Rs. Three Lakhs Only) for Sprinkler component as **Security Deposit** in the form of Bank Guarantee in favour of the **Mission Director, Karnataka State Horticulture Mission Agency (Micro Irrigation)**. Physical copy of bank guarantee to be submitted to the office of the Joint



Director of Horticulture, Drip Irrigation, Lalbagh, Bangalore. Only after receipt of Physical copy of bank guarantees manufacturing company will be recommended to the approval authority for registration. A copy of the bank guarantee should be uploaded in "HASIRU" portal along with the registration form indicated in Annexure-3. The Bank Guarantee shall have validity of minimum of 5 years and 6 months.

- 5.6 The manufacturer should agree to the price fixed for each component from time to time by the Departments/SLSC/ IA and supply the material to the farmers at this rate, the same rates will be considered while calculating the subsidy amount.
- 5.7 The manufacturers should not deviate from the approved price. The department reserves the right to revise the rates from time to time for which the companies should adhere to. In case the manufacturer is found billing higher price for the components, and there is any difference in the quantity in bill and that in the field installation, such manufacturer is liable for stringent action, penalty of Rs. 50,000/- or more per case and/ or blacklisting the company.
- 5.8 Manufacturer will supply and install equipment conforming to BIS marked materials only. Valid ISI/BIS certificates for drip/sprinkler equipments for the year 2022-23 should be uploaded. Any ISI/BIS certificates expiring during the registration period should be renewed and furnished within 45 days from the date of expiry.
- 5.9 If the material installed by the manufacturer does not meet the BIS/ ISI standards or if the materials is of bad quality on the basis of test report from CIPET, the Director/Mission Director of Horticulture/ or person authorized by him is empowered to initiate suitable action against the manufacturer including and not limited to a penalty of Rs. 50,000/- or above, forfeiting of bank guarantee, black listing and legal action. The test report of CIPET will be considered as legal document, even if it states that it is not for legal purposes.
- 5.10 If the manufacturer desires to supply certain imported equipments they should obtain prior permission from the Department of Agriculture and Co-operation, GOI. They should produce and upload the copies of suitable records such as the license to market, license to import etc.,



- 5.11 MIS Suppliers are responsible to provide warranty/ guaranty of the MI Components for atleast three (3) years.
- 5.12 MIS Supplier must provide free of cost services and ensure availability of fittings and spare parts of the total system within five days of getting the request from the farmers or field representative on behalf of the farmer. This is to ensure optimal crop performance and system sustainability.
- 5.13 The State Level Committee on Micro Irrigation/Department/IA shall have the right to examine the standards of Drip /Sprinkler equipments for taking further decision.
- 5.14 The manufacturer of drip/sprinkler equipments should not have been blacklisted before by any Govt., Department. Blacklisted manufacturer should not do the drip/sprinkler installation work in the department subsidy scheme by making use of other names for registration. Such registered manufacturer will be blacklisted.
- 5.15 The manufacturer should invariably possess required tax registration certificates and PAN card. The company should upload the copies of such certificates and PAN card along with registration form.
- 5.16 Manufacturer should abide to the periodical inspection and report on working of drip/ sprinkler system installed. They should follow the instructions given by Departmental officers/IA.
- 5.17 In case of default by the manufacturer, the Security Deposit submitted by them will be forfeited to the Government and the company will be blacklisted. For any lapse by the authorized persons from the company, the company is liable for penalty and further legal action including and not limited to forfeiting of bank guarantee/ security deposits, blacklisting.
- 5.18 The successful manufacturer shall execute an agreement with Government of Karnataka represented by DOH to abide by the terms and conditions of the registration on Rs.100/- (Rupees One hundred only) Judicial stamp paper.
- 5.19 The successful manufacturers should abide by the guidelines issued time to time during the plan period by the IA/Department concerned.
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5.20 The Manufacturer should upload the address of manufacturing/production unit along with production capacity of each M.I Component manufactured in their unit.

5.21 The receipt of the application sent by post, or in person will not be accepted.

6. Punitive action

6.1 Punitive action includes and are not limited to warning, penalty of Rs. 50,000/- or above, forfeiting of bank guarantee, black listing and legal action depending on the gravity of the fault/offence, any one or more than one punitive action may be imposed at a time.

6.2 Under following circumstances punitive actions will be imposed.

6.2.1 If the material installed by the manufacturer does not meet the BIS/ ISI standards or if the material is of bad quality on the basis of test report from CIPET.

6.2.2 In case of detection of failures or supply of poor sub-standard quality material, the concerned manufacturer will be issued warning for the first offence. In case of subsequent offences, the Company will be deregistered and restricted from participating in the MI Scheme throughout the country in addition to invoking of bank guarantee. In addition the manufacturer has to pay back entire amount to the farmers.

6.2.3 Manufacturer raising false bills and without installation and/or violating any norms/ rules/ guidelines will be penalized heavily including and not limited to forfeiting of caution money and blacklisting and the concerned company will also be made responsible for the same. This will be viewed seriously and action will be taken against such manufacturer.

6.2.4 In case if the designs not efficient, if documents are not uploaded in time after installation (unreasonable delay), if any company is found to discriminate weaker sections the matter will be viewed seriously and such company will be penalised.

6.2.5 Free after sales should be provided by the manufacturer / authorized distributor at least for five years. If any M.I system manufacturer fails to provide such free service, appropriate action will be taken against them, including and not limited to forfeiting of bank guarantee/ security deposits and blacklisting.



6.2.6 The SLSC/ Departments/ IAs are free to take strong punitive measures including and not limited to forfeiting of bank guarantee/ security deposits, blacklisting against erring companies, in order to safeguard the interests of farmers and to ensure effective utilization of public funds.

6.2.7 If false documents found to be uploaded/ submitted at the time of the registration, the registration of such companies will be cancelled, black listed and their bank guarantee will be fortified.

7. Legal Jurisdiction:

Arbitration charges if any to be negotiated by **Commissioner/ Director of Horticulture, Lalbagh, Bangalore**. For any legal remedies, the court at Bangalore shall only have the Jurisdiction.


Director

Department of Horticulture
Lalbagh, Bangalore-04.





Annexure-1

AFTER SALES SERVICE CENTRE

1. Each company should have established at least one after sales service centre in each of the district of their area of operation.
2. A service centre should possess required stock of the necessary spare parts to provide to the farmers and material required for maintenance besides provide technical support at the gross root level.
3. It should provide free after sales service for the warranty/guarantee period.
4. It should keep copies of detailed operational and maintenance manual in vernacular language.
5. List of service center offices with full address/telephone number/email should be widely published.



Annexure-2

Mode of Implementation

- The interested farmer shall submit application for registration along with all required document through online **HASIRU** software.
- The company selected by the farmer should assess the feasibility of MI to be installed, assess the availability and quality of water, ensure power availability, assess the crop water requirement etc. and based on the site condition shall prepare a design of MI for efficient functioning of the system. The discharge should be uniform in all the emitters. The same should be provided with company signature to the farmer along with quotation.
- The applicant will be issued a work order with a copy marked to the respective company.
- The company should install the MI system as per design within 25 days of issuing of work order and provide necessary documents to the farmer. Unnecessary material should not be supplied and charged.
- The company should provide GPS photos of the field before installation and after installation, clearly showing the installation system.
- The company should provide 3 years warranty/ guaranty for the materials supplied.
- The company shall then upload specified documents (Invoice, work completion report, delivery note) E-way bill with signature of applicants and signature/ counter signature of the company in Micro Irrigation Scheme software of the Department.
- The company shall assist the applicant in submitting required documents and in obtaining subsidy from implementing agency.
- The assistance for the different drip/sprinkler system will be extended only after a certificate towards successful installation/ commissioning of the system is obtained from the beneficiary.
- If the work is not completed in time and records not submitted within 30 days of issue of work order, the work order issued stands cancelled. No notice would be given in this regard.



- Should provide after sales services.
- The implementing agency shall then visit and take necessary action to provide the subsidy.
- The subsidy will be sanctioned and released as per the guidelines of the Department issued from time to time depending on availability of funds.
- The 3rd party inspection may be done by the department before / after releasing of subsidy.
- The department/ implementing agency/SLSC/GOK reserves the right of modifying the mode of implementation or mode of payment if it deems fit without assigning any reasons and without prior information at any time.
- The funds allocated will be category wise [special component sub plan (SCSP), Tribal sub plan (TSP), small-marginal farmers (SFMF), women farmers and other farmers]. Therefore, due preference should be given to such categories as per GOI norms.



Annexure –4

List of BIS Standards

SN	Component Description	BIS
1	Polyethylene pipes for Irrigation- Laterals with amendment number 6	IS 12786: 1989 (reaffirmed 2009)
2	Irrigation Equipment-Emitters- Specification	IS 13487: 1992 (reaffirmed 2009)
3	Irrigation Equipment-Emitting pipes system- Specification (first revision)	IS 13488: 2008 (reaffirmed 2014)
4	Irrigation Equipment-Strainer type filters Specification (first revision)	IS 12785: 1994 (reaffirmed 2011)
5	Irrigation equipment rotating sprinkler Part I, Design and Operational requirements (1st revision)	IS 12232 (Part I) -1996 (reaffirmed 2011)
6	Irrigation equipment rotating sprinkler Part 2, Test method for uniformity of distribution (1st revision)	S 12232 (Part 2) -1995 (reaffirmed 2011)
7	Fertilizer and Chemicals Injection system Part I Venturi Injector	IS 14483 (Part 1) 1997 (reaffirmed 2009)
8	Irrigation Equipment-Media Filters- Specification	IS 14606: 1998 (reaffirmed 2009)
9	Irrigation Equipment-Hydro cyclone filter-Specification	IS 14743: 1999 (reaffirmed 2009)
10	Unplasticized PVC pipes for portable water supplies- Specification (third revision)	IS 4985 – 2000
11	Irrigation equipment- Sprinkler pipes -Specifications Part II Quick coupled Polyethylene pipes & fittings (second revision)	IS 14151 (part II) 2008 (reaffirmed 2014)
12	High Density Polyethylene Pipes for water supply- Specification (fourth revision)	IS 4984 : 2016
13	Fertilizer & Chemical Injector System- Part 3 Fertilizer Tank	IS:14483 Part 3 – 2018

THEORY

1. THEORY

The theory of the firm is a central concept in microeconomics. It seeks to explain the behavior of firms in a market. The theory is based on the assumption that firms are profit-maximizing entities. They make decisions about production levels, input combinations, and pricing based on their goal of maximizing profit. The theory also considers the role of technology, which affects the production process. Firms are assumed to have access to a set of production technologies, and they choose the one that allows them to produce the most output for a given set of inputs. This choice is influenced by the prices of inputs and the price of the output. The theory of the firm is a simplified representation of reality, but it provides a useful framework for analyzing firm behavior. It helps us understand how firms make decisions and how these decisions affect the market. The theory is also important for policy-making, as it provides insights into the effects of government intervention on the firm sector. For example, understanding the theory of the firm can help us evaluate the impact of taxes, subsidies, and regulations on firms and the economy as a whole.

Annexure -3

REGISTRATION FORM FOR APPROVAL OF COMPANIES UNDER CSS:MI- PMKSY - FOR THE Plan Period 2022-23 to 2026-27

1. Name and Address of the Company :
Name of the Managing Director/Proprietor :
Phone Number :
E-mail ID :
Web Site :
2. Name / Names and Residential Address of :
Authorized person :
Phone Numbers :
Office :
Residence :
Mobile :
E-mail ID :
Educational Qualification :
3. Copy of Aadhar card of proprietor/
All Partners/ All Directors (Optional) :
4. Copy of certificate of registration/incorporation :
of the firm/ partnership deed/affidavit of ownership.
5. Details of Bank Guarantee furnished : 1) BG No
: Date of purchase
: Date of Expiry
: Name of the bank
2) BG No
: Date of purchase
: Date of Expiry
: Name of the bank
6. Details of Registration Fee Paid : Amount and Payment
Reference NO
7. GST Registration Number (GST Number) : GST No
(Enclose a copy of GST Certificate) : Registration Date



8. PAN Number :

(Enclose a copy PAN card & a copy of Latest IT
Return) (last 3 years) :

9. Copy of latest GST paid acknowledgement

(Enclose copy of acknowledgement)

10. Turnover of the Company for the last 3 Years

(As below Attached Format duly signed by the CA)

a) 2018-19

b) 2019-20

c) 2020-21

SLno	FINANCIAL YEAR	TURN OVER FOR THE FINANCIAL YEAR
1	2018-19	
2	2019-20	
3	2020-21	
TOTAL		

11. List of Branches/ Offices & Service Centre :

in their operating districts in Karnataka should
be uploaded in the format

Name of the District	Name and Address Service centers	Contact Person Name	Contact Number

12. List of Qualified/Technically trained staff and Technical Field Staff :

Name of the District	Name and Address of Qualified/ Technically trained staff	Contact Number

13. Address of the Manufacturing/Production Unit :

Along with M.I Component production details

Sl. No.	MI Components	Production capacity

14. List of Valid BIS License enclosed

: License No Valid till :

a) Drip Lateral

b) Emitting devices

i)

ii)

iii)

- c) Emitting Pipes (Inline Drip) :
- d) Filters :
- e) PVC – Pipes – Brand Names
 - i)
 - ii)
 - iii)
- f) HDPE Pipes :
- g) Nozzels (Sprinklers) :
- h) Couplers :
- i) Any Other Items
 - i)
 - ii)
 - iii)

15. Components Outsourced with BIS Marking:

Note:

- i) The Company must manufacture at least Drip Laterals and Emitting devices for online drip system and inline emitting pipes for inline drip system with their own BIS Certificate. For sprinkler irrigation technology (portable, mini, micro, semi permanent systems), the company should manufacture either of HDPE/PVC pipes/ nozzels as this case may be as per BIS specifications
- ii) In case of rain gun sprinkler, the company should have the BIS license for nozzels.
- iii) All the materials should be supplied with ISI Markings with BIS approval of Brand Name.
- iv) In case of supply of imported components Government of India / NCPAH approval is compulsory in the absence of BIS License.
- v) PVC Pipes should be supplied with BIS Markings. The Brand Names of the companies supplied to be furnished and the BIS (ISI) certificate of the companies to the enclosed.



Declaration by the Manufacturer

- 1) We have read and understood the Terms and conditions relevant to the documents and we have agreed for registration in accordance with the Terms and conditions specified.
- 2) We agree for all the Terms and Conditions stipulated now and from Time to Time by Government of India and Government of Karnataka.
- 3) We agree to follow strictly the guidelines issued by the GoI and IA's.
- 4) We are aware that our registration is liable for cancellation and we will be black listed if we are found violating the guidelines, indulge in mal-practices, supply of substandard material etc.
- 5) We are fully responsible for the acts of our company representatives and ensure that the representatives adhere to the guidelines and also render prompt service to the farmers. We are also aware of the condition that our registration is liable for cancellation if our representatives indulge in Malpractices.
- 6) The information and documents uploaded in the **HASIRU** portal along with the registration Form is True and based on Facts and we understand that our Application is liable for rejection if any information is found to be False and not correct at any point of Time.
- 7) Company is not blacklisted in the last plan period in any of the state where company was registered under PMKSY Scheme.
- 8) I have gone through the all terms and conditions of Registration documents. I would abide by this.

Place:

Date :

Seal and Signature of the
Manufacturer

