

Letter

Kruaa-2017/PMKSY- MI/Regstn./C.S.02 / 422 /Hort-4
Commissionerate of Agriculture.
Krishi Bhavan, shivajinagar,
Pune - 411005, Dt. 03 / 05 / 2017.

To,

Subject: – Online Registration / Renewal of registration
of Drip & Sprinkler manufacturers for the year 2017-18

Centrally sponsored scheme on micro irrigation(Per Drop More Crop) is being implemented under Pradhan Mantri Krushi Sinchayee Yojana (PMKSY) in the year 2017-18. Micro irrigation manufacturers has been registered during 2016-17 for three years. Micro irrigation Manufacturers registered during 2016-17 are required to submit online renewal of registration form for implementation of the scheme in the year 2017-18.

The online registration/renewal of registration of manufacturers is mandatory for providing MI System to farmer under various govt. schemes.

1. Online registration of micro irrigation system manufacturers will be done for a period of five years for new manufacturers. The registration will be open round the year and a company can apply at any time. Only those manufacturing companies, which have all the facilities to ensure supply of quality product as per BIS standards and can provide prompt after sales services will be registered. Each registered company must do renewal of registration with valid BIS every year within period of registration.
2. Incomplete online application form will not be accepted for online registration/ renewal of registration.
3. Registration fee of Rs.50,000/-(Rupees fifty thousand only) & Renewal Fee of Rs.25,000/- (Rupees twenty five thousand only) is to paid through online Government Receipt Accounting System (GRAS) at the time of online registration/ renewal of registration.

Commissionerate of Agriculture reserves the right of cancellation of registration of manufacturer's if manufacturer found violating the guidelines, indulge in mal practices, supply of substandard material, etc.,

All detailed terms and conditions of registration are enclosed herewith. Manufacturers are advised to submit online application from. You are requested to visit e-thibak portal on www.mahaagri.gov.in website for detail information as well as for online application submission.

Director Horticulture,
Commissionerate of Agriculture,
Maharashtra State, Pune-5.

**GOVERNMENT OF MAHARASHTRA
(Department of Agriculture)**

No/Hort-4/Reg /MI comp/ PMKSY.2017-18/422/2017
Commissionerate of Agriculture Maharashtra State,
Pune-411005 Date- 03 / 05 /2017

REGISTRATION DOCUMENT

Sub:- Online registration/ renewal of registration of micro irrigation manufacturers under Per Drop More Crop (Microirrigation) component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)....

Micro irrigation manufacturers has been registered during 2016-17 for 2016 -17 to 2018-19. Online applications are invited from Drip irrigation & Sprinkler irrigation system manufacturers for renewal of registration from registered manufacturers to install Drip / Sprinkler System in the farmers field (Both Agriculture and Horticulture Crops) in all over the state for implementation of Per Drop More Crop (Microirrigation) component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) during 2017-18. The registration/ renewal of registration will be restricted for the schemes implemented by Agriculture department.

The terms and conditions are as follows.

1 Norms for registration of manufacturing companies

- 1.1** Registration of micro irrigation system manufacturers shall be done for a period of five years. The registration will be open round the year and a company can apply at any time. Only those manufacturing companies, which have all the facilities to ensure supply of quality product as per BIS standards and can provide prompt after sales services will be registered. The registration will be subject to the satisfactory performance of the company as assessed by the state implementing agency and repeated failures will lead to the de-registration by SLSC.
- 1.2** The companies willing to participate in the scheme should be manufacturing below mentioned components and own BIS in their name:
 - 1.2.1** In the case of drip irrigation, company must manufacture at least 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 a manufacturer of inline emitting pipe.
 - 1.2.2** In the case of portable sprinkler irrigation system the company should manufacture either coupled HDPE pipes or sprinklers and should possess respective BIS.
 - 1.2.3** 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.
 - 1.2.4** In the case of large volume sprinkler irrigation system (rain gun sprinklers)the company should manufacture HDPE pipes and nozzle and should possess respective BIS.

- 1.3 The company must provide guarantee of quality assurance of other components which are not manufactured by them in various technologies covered under the scheme.
- 1.4 The company must provide free after sales service to the farmers for three years from the date of installation of system. Moreover, they should set up service centre's for providing technological support at the grass root level.
- 1.5 The registration under the scheme should be open throughout the year to enable maximum flexibility and open participation.
- 1.6 The company will supply only BIS marked material. The list of relevant BIS components is given at **Annexure - I**
- 1.7 In case the company intends to supply imported components, it should obtain prior approval of DAC&FW subject to indigenize the manufacturing of component within a period of two years. In case of imported equipment, the techno- economic analysis report will be provided by NCPAH after proper examination and verification and submit report to DAC&FW for consideration. They should produce and enclose copies of suitable records such as the license to market, license to import etc.,
- 1.8 The material should be supplied directly by the manufacturer or their authorized distributors/dealers. In all cases, the manufacturer should authenticate the invoices.
- 1.9 Each company may have its own pricing system. However, the company would be required to submit the same to the Registering Authority/SLSC at the beginning of the year and as and when the prices are revised by the company.
- 1.10 The manufacturers can apply for registration for Drip / Sprinkler or both Irrigation must apply separately.
- 1.11 The online registration form should be duly filled and submitted along with required attested copies by the person authorized .
- 1.12 The manufacturer should pay registration fee of Rs.50,000/-, renewal of registration fee of Rs.25,000/- for Drip irrigation system / Sprinkler system/ both systems, through online Government Receipt Accounting System (GRAS). Receipt head for the same is as under -
Demand No.- D1
0401-Crop Husbandry
800- Other Receipts
(01)(012) Other Items
(04010455)
- 1.13 Manufacturer will supply and install equipment conforming to BIS marked materials only. Valid ISI/BIS certificates for drip equipment's should be uploaded online. Any ISI/BIS certificates expiring during the registration period should be renewed and furnished within 60 days from the date of expiry.
- 1.14 Company should clearly declare the component wise different technical parameters which will be tested in the laboratory of CIPET or any other laboratory specified by State Government to determine the quality of the products.
- 1.15 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 or any authorized institution, the Commissioner of Agriculture / Director of Horticulture or person authorized

- by SLSC is empowered to initiate suitable action against the manufacturer including and not limited to forfeiting of bank guarantee/ cancellation of registration.
- 1.16 MIS Suppliers are responsible to provide warranty/ guaranty of the MI Components for at least three (3) years.
 - 1.17 The SLSC/ Commissioner Agriculture/ Director Horticulture/ IA shall have the right to examine the standards of Drip /Sprinkler equipment's for taking further decision.
 - 1.18 The dealers appointed by manufacturer for supply of drip/sprinkler equipment's should not have been blacklisted before by any Govt. Department. Blacklisted person should not do the drip/sprinkler installation work in the government subsidy scheme by making use of other names for registration. If it is noticed in future, registration of such manufacturer/ dealer will be cancelled.
 - 1.19 The manufacturer and their approved dealers should invariably possess required tax registration certificates and pan card.
 - 1.20 Manufacturer should abide to the periodical inspection and report on working of drip / sprinkler system installed. They should follow the instructions given by Government officers/IA.
 - 1.21 Manufacturer should submit the list of authorized dealers, along with their detail address ,telephone number, email,fax etc. and required area of operation in the registration format.
 - 1.22 Manufacture shall furnish a Bank Guarantee of Rs.2,00,000 for Drip Irrigation & Rs.1,00,000 for Sprinkler Irrigation separately valid for period of registration. In case of any default committed by the manufacturer, the Bank Guarantee submitted by them will be forfeited to the Government and the company will be de-registered. 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/ cancellation of registration.
 - 1.23 The registered manufacturer shall execute an agreement with Government of Maharashtra represented by Commissioner of Agriculture to abide by the terms and conditions of the registration on Rs.100/- (Rupees One hundred only) Judicial stamp paper.
 - 1.24 While registering, the manufactures should declare the technical details of the components proposed to be manufactured and supplied.
 - 1.25 In case any component is obtained from another manufacturer the offer should be accompanied with the authority letter & BIS License of manufacturer for this component
 - 1.26 The registration will be valid for five year for the newly registering companies. Renewal of registration is valid for 2017-18 for already registered companies. However, the Commissioner Agriculture /Director Horticulture /SLSC reserves the right to restrict/extend the period of registration with or without assigning any reason.
 - 1.27 Registration of manufactures will be given only for the districts in which functional after sales service centre's are established .

2. After sales services & campaigns

- 2.1 Operation and Maintenance of the system requires adequate training of beneficiaries for system operation etc. The manufacturers should have required network for providing training and after sales service in their areas of operation. The manufacturers should provide detailed operational and maintenance manual in the local vernacular language at the time of installation of the system. The beneficiaries should be advised to follow the instructions provided by the manufacturers for the operation and maintenance of drip/sprinkler irrigation systems.
- 2.2 Service centres and / or offices of drip / sprinkler system manufacturers / authorised 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 centres/offices/offices of authorised distributors with full address/telephone numbers/e-mail should be widely published. Moreover, they should set up service centers in their service area atleast at district level for providing technological and agronomic support at the grass-root level.
- 2.3 After sales service should be provided by the manufacturer/authorized distributor, free of cost for at least a period of three years. The company shall repair or replace any components/instruments of the MI system free of cost within warranty period, if they are found to have manufacturing defects or workmanship defects.
- 2.4 Due to normal wear and tear, if any parts/components require repairing/replacement, the company shall supply the same and recover the cost from the beneficiary after the free period is over. The company or its authorised representatives shall provide acid/chlorine treatment to drip system once during the first year of operation of the system.
- 2.5 If any system manufacturer fails to provide such service, the same should be brought to the notice of district level committee and SLSC. The manufacturer would be responsible for any dispute arising from the supply of their product/component directly or through their authorised distributors/dealers. The Implementing Agency will to redress the disputes as per process and modus operandi decided by state government. In cases where product quality related complaints from beneficiaries are received due sampling process mentioned in the guidelines shall be followed.
- 2.6 The SLSC will take measures against erring companies or their authorized dealers, as well as their own staff after due hearing in order to safeguard the interests of farmers/beneficiaries and to ensure effective utilization of public funds. However, before initiating any action, principle of natural justice will be followed.
- 2.7 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.
- 2.8 The campaigns by companies should cover all beneficiaries under warranty period & could be as under:
- | | |
|--|-------------|
| More than 5000 ha area coverage in the state | 6 campaigns |
| 1000-5000 ha area coverage in the state | 4 campaigns |
| Less than 1000 ha area coverage in the state | 2 campaigns |

3. The Manufacturer/ Company's roles and responsibilities, Violations & Penalties

- 3.1 The manufactures will have to compulsorily engrave/emboss Batch No., class, brand, O.D., C.M.L.No. on the pipes supplied under subsidy scheme.
- 3.2 The registered company may have its own pricing system. However, the company would be required to upload the same on “*E-Thibak, in manufacturers field, step procedure for MRP*” at the beginning of the year and as and when the prices are revised by the Manufactures.
- 3.3 The manufactures should have network for providing after sales service 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.
- 3.4 It shall assess the crop water requirement as per the crop for which the system is to be provided.
- 3.5 It shall design the system as per the crop water requirement, water availability, soil type , field conditions etc.,
- 3.6 The material should be supplied directly by the manufacturers or through their authorized distributors/ dealers. In all cases, the manufacturers should authenticate the bills and designs .
- 3.7 The registered company or authorized dealers will be responsible for installation of the efficient Micro Irrigation system in the farmers field and is not restricted to just supply of materials. Therefore the company and their dealers shall not sell their materials without providing design and installation services. In case there is sale of any extra Micro Irrigation materials or for purpose other than subsidy they shall mention clearly in their bill of sales that the material is "not for subsidy" purpose.
- 3.8 The manufacturer/company themselves or through their dealers should assist the beneficiary in submitting bills and relevant documents etc. to the IA for the purpose of obtaining assistance under the scheme.
- 3.9 The manufacturer should have sales service network in their area of operation which facilitates for easy design preparation, installation and demonstration of drip/sprinkler irrigation in order to educate the farmers
- 3.10 In the event of any instrument / component 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.
- 3.11 Free after sales services should be provided by the manufacturer / authorized distributor at least for three 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 and blacklisting.
- 3.12 The manufacturer should take the responsibility for any disputes arising from the supply of their product through their distributors or dealers.
- 3.13 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.
- 3.14 Manufacturer must provide "**user manual**", "**Fertigation schedule**” and **orientation training** regarding operation and maintenance of Drip /Sprinkler equipment’s to the farmers.
- 3.15 The warranty/guarantee for the components / equipment used in MIS shall be at least 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 repair/replace the same free of cost within five days of intimation and if repairs are required, it shall also be carried out by company within the aforesaid time period of five days at companies cost without any demur or dispute.

- 3.16 Due to normal wear and tear, if any parts / components require repairing / replacement during the period of 3 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 company and recover the cost from the farmer.
- 3.17 Manufacturers should submit details of quarterly statement of sale with each authorized dealers to Director Horticulture, Maharashtra ,Pune.
- 3.18 The SLSC/Commissioner of Agriculture /Director of Horticulture/ IAs are free to take strong punitive measures including and not limited to forfeiting of bank guarantee/ cancellation of registration against erring companies as well as against their dealers/suppliers, in order to safeguard the interests of farmers and to ensure effective utilization of public funds.
- 3.19 The Central & State Governments, micro irrigation suppliers/manufacturers and other stake holders are putting in a lot of efforts for effective operations of micro irrigation systems. Any wrong operations could lead to system failure & financial loss to the beneficiary apart from loss of faith in the technology. It is, therefore, important to have well defined measures / terms for violation of norms by the stake-holders. Any violation to the quality, maintenance and other parameters need be viewed seriously. The list of violations mentioned below is not exhaustive and any other deviations, which affect the implementation of the scheme adversely may be considered by the DMIC/SLC as deemed fit for smooth functioning of the same.
- 3.20 A due process, where show cause is issued and adequate time is allowed for response, will be followed and the MI companies as well as the beneficiary will be adequately heard and natural justice provided.
- 3.21 In case of violations in respect of failure in quality control & quality assurance and to provide maintenance & after sales service, following penalties shall be imposed:
- 3.21.1 First time in a year, a warning letter may be issued to the manufacturer instructing to rectify the shortcoming immediately.
- 3.21.2 Second time in same year, a warning letter may be issued to the manufacturer instructing to rectify the shortcoming immediately with a penalty of 10% of invoice value.
- 3.21.3 Third time in same year, a penalty of 25% of invoice value may be charged.
- 3.21.4 Fourth time in same year, a show cause notice may be issued to the company and the case may be refer to SLSC for de-listing the company for a period of one year or more as decided by SLSC.
- 3.22 The violations with regard to submission of bills without installation/partial installation, wrong invoicing, variations in component specifications, submission of wrong documents with reference to pump/system discharge, improper installation, quoting higher price than approved, deviations from prescribed material specifications etc. may be dealt with by the SLSC suitably apart from initiating suitable action against company/dealer under the relevant sections of Indian penal code and other relevant/ appropriate statutory enactments.

4 Quality Control

- 4.1 Crucial aspect of supply of micro irrigation systems is the quality of hardware which is delivered to the farmer. It needs to be ensured that quality components having BIS marking (wherever applicable) are installed in the beneficiary field. Poor quality has 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.

- 4.2 The SLSC will form joint inspection teams for field inspection and frequent surveillance by inspection teams will be a regular feature under the Scheme. They will draw random samples periodically from the field, within a period of three years from the date of installation of the system. At the time of inspection, the system should be fully functional. The report should be submitted to the competent authority under SLSC for further action.
- 4.3 While one surveillance visit per operative year shall be kept as the general norm, more or less inspections may be planned depending on the performance or specific guidelines issued by SLSC.
- 4.4 Samples for testing should be collected jointly by the joint inspection team, state nodal official and the company representatives in triplicate and properly labelled, sealed and signed. The samples are collected for all major system components, especially pipes & tubing. One set of samples should be sent to CIPET/BIS or any other approved product testing laboratory for testing as the SLSC may deem fit, another set is to be preserved in the custody of nodal officer and the third one is to be with the manufacturer. After collection of samples at random, they should be coded as per BIS guidelines for the purpose of security and further reference.
- 4.5 Collection of samples with batch number is mandatory. The samples may be collected from the beneficiaries' fields as well as the supply chain of the manufacturer after the product has been dispatched from the manufacturing unit.
- 4.6 The quantity of material required for conducting the test is as detailed below :

Sl. No.	Test	Test samples required
Laterals as per IS : 12786 & Emitting Pipes as per IS : 13488		
1	Identification & composition analysis	20 meters for laterals. 50 meters for emitting pipe.
2	Thickness	
3	Pressure Test	
4	Dimensions	
HDPE Pipes IS: 4984 & IS: 14151 (Pt.2)		
1	Identification & composition analysis	1 mts
2	Thickness	
3	Pressure Test	
4	Dimensions	
UPVC Pipes IS: 4985		
1	Identification & composition analysis	1 mts
2	Thickness	
3	Pressure Test	
4	Dimensions	
Emitters/ drippers as per IS : 13487		
1	Identification & composition analysis	50 Nos
2	Flow Rate	

- 4.7 The expenditure towards the testing charges shall be met from the administrative charges under the scheme.
- 4.8 The state nodal officer will do proper scrutiny of the test report provided by the testing laboratory and draw conclusion from the findings regarding conformity or otherwise of the samples under the test. After scrutiny, the details of test report and results of conformity/non-conformity will be placed before SLSC for consideration. In case of non-conformity, SLSC may take action against the company/its authorized dealers as per penalty clause mentioned in the scheme guidelines. The SLSC will

follow principle of natural justice and the company as well as the beneficiary shall be heard before taking a final action in the matter.

5. Legal Jurisdiction :

Arbitration charges if any to be negotiated by Commissioner of Agriculture, Pune. For any legal remedies, the court at Pune shall only have the Jurisdiction.

Annexure - I

List of BIS Standards

SN	Component Description	BIS
1	Polyethylene pipes for Irrigation- Laterals with amendment number 6	IS12786:1989 (reaffirmed 2009)
2	Irrigation Equipment-Emitters- Specification	IS13487:1992 (reaffirmed 2009)
3	Irrigation Equipment-Emitting pipes system- Specification (first revision)	IS13488:2008 (reaffirmed 2014)
4	Irrigation Equipment-Strainer type filters Specification (first revision)	IS12785:1994 (reaffirmed 2011)
5	Irrigation equipment rotating sprinkler Part I, Design and Operational requirements (1st revision)	IS12232(Part1)-1996 (reaffirmed 2011)
6	Irrigation equipment rotating sprinkler Part 2, Test method for uniformity of distribution (1st revision)	IS12232(Part2)-1995 (reaffirmed 2011)
7	Fertilizer and Chemicals Injection system Part I Venturi Injector	IS14483(Part1)1997 (reaffirmed 2009)
8	Irrigation Equipment-Media Filters- Specification	IS14606:1998 (reaffirmed 2009)
9	Irrigation Equipment-Hydro cyclone filter- Specification	IS14743:1999 (reaffirmed 2009)
10	Unplasticized PVC pipes for portable water supplies- Specification (third revision)	IS4985 –2000
11	Irrigation equipment -Sprinkler pipes - Specifications Part-I Polyethylene pipes (first revision)	ISI4151(partI)1999 (reaffirmed 2009)
12	Irrigation equipment- Sprinkler pipes - Specifications Part II Quick coupled Polyethylene pipes & fittings (second revision)	ISI4151(partII)2008 (reaffirmed 2014)
13	High Density Polyethylene Pipes for water supply- Specification (fourth revision)	IS4984:1995 (reaffirmed 2002)
14	Fertilizer & Chemical Injector System- Part 3 Fertilizer Tank	IS:14483Part 3 - 2016

Source: Online catalogue of Bureau of Indian Standards

ONLINE APPLICATION FOR REGISTRATION/ RENEWAL OF REGISTRATION IN THE YEAR 2017-18

1. Name of Applicant Company

2. Address :

S.N.	Office	Address	District	State	Telephone No.	Fax	e-mail	Website
A	Offices							
	1. Corporate Office							
	2.Regional Office							
	3.Branch Office							
B	Factory							
C	Godown							

3. Name of the Managing Director / Chairman /Director/CEO/Any equivalent Authority

Name	Post held	Address	Address	Phone Number	Mobile	Fax	e-mail
		Residence					
		Offices					

4. Manufacturing unit and License Details

a) Category of company

Micro	Small Scale	Medium	Large

b) Manufacturing License

License No.	Issuing Authority	Date of license	* Attach certificate

5. VAT Registration Number (TIN Number)

M.V.A.T.R.C./TIN No.		C.S.T.R.C./TIN No.		PAN Number	* Attach certificates
No.	Registration Date	No.	Registration Date		

6. Experience in installation of MI System in Maharashtra/India

No. of Years	Area covered under MI for the past three years (Ha)		
	Drip	Sprinkler	Total

7. Details of Bank Guarantee

S.N.	Amount(Rs.)	BG No.	Date of Purchase	Date of Expiry	Name of the Bank	Branch	* Attach copy of BG
1							
2							

Note: submit Bank Guarantee in original format to Director Horticulture office.

8. Details of Registration Fee paid through online GRAS system.

Note: submit Challan in original format to Director Horticulture office and also upload it on software

9. Details of District wise service centers available in Maharashtra

No. districts where service centers opened	Total service centers

* Upload statement in following proforma					
Sr. No.	Name of District	Name & Address	Details of Service Centre In charge		
			Name	Qualification	Phone No,

10. Details of District wise Authorized Dealers

No. districts having Authorized Dealers	Total Authorized Dealers

* Upload statement in following proforma						
Sr. No.	Name of District	Name of Dealer's Firm	Address	Jurisdiction	Phone No,	TIN / VAT No.

11. Quality Performance (At least last three years)

Sr. No.	Year	No. of samples taken (all put together)	No. of samples analysed	No. of samples passed	No. of samples not as per BIS

12. Name (s) of Technical Personnel authorized for Quality control matters

Sr. No.	Name	Post Held	Qualification	Experience (in years)	Contact No.
1					

13. List of the districts for which registration is required.

Sr. No	Name of District	Yes/No
1.	Thane	
2.	Palghar	
3.	Raigad	
4.	Ratnagiri	
5.	Sindhudurg	
6.	Nashik	
7.	Dhule	
8.	Nandurbar	
9.	Jalgaon	
10.	A.nagar	
11.	Pune	
12.	Solapur	

Sr. No.	Name of District	Yes/No
13	Sangli	
14	Satara	
15	Kolhapur	
16	A.bad	
17	Jalna	
18	Beed	
19	Latur	
20	Osmanabad	
21	Nanded	
22	Parbhani	
23	Hingoli	

Sr. No.	Name of District	Yes/No
24	Amrawati	
25	Buldhana	
26	Akola	
27	Washim	
28	Ywatmal	
29	Nagpur	
30	Wardha	
31	Chandrapur	
32	Bhandara	
33	Gondia	
34	Gadchiroli	

14. Kind of MI system for which Registration is requested.

MI System	Yes/No
Drip Irrigation Systems	
Sprinkler Irrigation Systems	

A. DRIP IRRIGATION SYSTEMS

A) Components

i. Pipes (Give details for PVC & HDPE)

S.N.	Type	Size in mm (OD)	Class	BIS No.	CM/L No.	Validity Date	Operating pressure kg/cm ²
1	Main						
2	Sub-main line						

ii. Laterals

S.N.	Type	Size in mm (OD)	Class	BIS No.	CM/L No.	Validity Date	* Attach duly attested copies of the BIS certificate. (validity up to 31.3.2018)
1	Online						
2	Inline PC Inline Non PC						

iii. Emitters

S. N.	Type	Discharge rate LPH	BIS No	CM/L No	Validity date	Pressure rating as per production Kg/Cm ²	* Attach duly attested copies of the BIS certificate. (validity up to 31.3.2018)
1	Dripper PC						
2.	Dripper NPC						
3	Others (Specify)						

iv. Filters

S N	Type of Filter	Size Cu.mt./hr capacity	BIS No	CM/L No	Validity Date	Model & Catalog No.	Nominal Size (Inlet & outlet)	Operating Pressure	Range of recommended flow rate	Product specifications
1	Screen									
2	Disk									
3	Sand									
4	Others Pl.Specify									

* Attach duly attested copies of the BIS certificate for all types of filters.(validity up to 31.3.2018)

v. Valves

S.N.	Name of Valve	Size in mm	BIS No.	CM/L No.	Validity date	Type	Product Specifications
1	Control						
2	PVC ball						
3	Flush						

vi. By pass assembly

By Pass Assembly	Size in mm	Specification as per company production
1	2	3

vii. Fertigation

S.N.	Name of item	Size	BIS No	CM/L No	Capacity	Class	Product specifications
1	Fertigation tank/equipment						
2	Complete ventury assembly set.						

viii. Accessories

S.N.	Name of Accessories	BIS No	CM/L No.	Product specifications
A. PVC Fitting				
1	TEE			
2	MTA			
3	FTA			
4	Thread end cap			
5	Elbow			
6	Reducer			
7	Plain end cap			
8	Coupler			
9	Union			
10	Service saddle			

B. Drip Fitting				
1	Take Off			
2	St. Connector			
3	End Cap			
4	Grommet			
5	Tee			
6	Elbow			
7	Others Pl. Specify			

B) List of self manufactured components and their brand names.

S.N.	Components	Component details	Brand Name
1	Pipe	PVC	
2	Lateral	1. Online 2. Inline PC 3. Inline Non PC	
3	Emitters	1. Dripper: PC 2. Dripper: NPC 3. Micro jet 4. Others Pl. Specify	
4	Filters	1. Screen filter 2. Sand Filter 3. Disk filter 4. Others pl. specify	
5	Valves	1. Control valve 2. PVC ball valve 3. Flush valve 4. Others Pl. specify	

C) List of components outsourced with BIS marking

S. N	Name of Component outsourced	Name of supplying manufacture with detailed address	BIS No.	CM/L No.	Validity date	Brand Name	* Upload duly attested copies of the BIS certificate for.. a) Laterals b) Emitters c) Filters (validity up to 31.3.2018)	* Upload duly attested copy of agreement with supplying manufacturer
1	2	3	4	5	6	7		

D) Production Details (for year last year)

S. N.	Components	Total Quantity Produced		Quantity sold in M.S.	Quantity sold in M.S. on subsidy	Source of raw material	Raw material used	
		Unit	Quantity				Unit	Quantity
1	Mains							
2	Sub mains							
3	Laterals							
4	Drippers							
5	Inline							
6	Filters							
7	Others							

E) Installation of drip sets in the State of Maharashtra during the last three years

S.N	District	Year	No. of farmers covered	Area in ha.		
				Inline	Online	Total
1	Thane					
2	Palghar					

* Fill the Information in this field for all districts

F) Proposed targets for the year

Sr. No.	District	Drip Area in ha.		
		Inline	Online	Total
1	2	3	4	5

G) Information on R & D facilities available with the company.

*Upload only one page note on following points

- Research Activities.
- Development activities covering,
 - Farmer's Training
 - Seminars
 - Visit of farmers to Agri. Polyclinics,SAU
 - Any other

H) **Quality control facilities.**

S. N.	Components	Test	Test carried daily/ weekly	Register maintained in the lab	Name of Machinery	Capacity	Man power available for quality control		
							Name	Designation	Qualification
1	Lateral	a) Dimension							
		b) Determination of 1. Carbon black content 2. Carbon black dispersion							
		c) Hydraulic characteristic 1. Quality Test 2. Acceptance test							
		d) Reversion test							
		e) Tensile test and elongation							
		f) ESCR test							
2	Emitters	a) Flow path							
		b) Resistance to hydraulic pressure							
		c) Emitters pull out test							
		d) Uniformity of emission test							
		e) Emission rate as a function of inlet pressure							
		f) Determination of emitter exponent.							
3	Emitting Pipe	a) Uniformity emission rate							
		b) Emission rate as a function of inlet pressure.							
		c) Dimensions							
		d) Flow path							
		e) Spacing of emitting unit							
		f) Resistance to hydraulic pressure.							
		g) Resistance to hydraulic pressure at elevated temp.							
		h) Resistance to tension at elevated temp.							
		i) Resistance to pull out test.							
		j) Resistance to ESCR							
		k) Emitting unit exponent							
l) Others pl. specify									

I) **Farmer's complaints received regarding manufacturing defects during last year**

Sr. No.	Financial Year	No. of total complaints	complaints regarding			No. of complaints on which action taken
			Lateral	Emitter	Filter	
1						

J) **Technical specifications for testing samples/ analysis.**

Sr. No.	Component	Technical specifications	Details
1	Lateral	Outside diameter of pipe (mm)	
		Class of pipe	
2	Emitting pipe	Uniformity category	
		Nominal emission rate	
		Inside diameter	
		Wall thickness	
		Range of working pressure	
		Classification	
		Emission rate as a function of inlet pressure.	
		Range of regulation, if any	
		Spacing of emitting units	
		Nominal test pressure	
		Dimension of the smallest flow path in emitter	
3	Emitter	Uniformity category	
		Nominal emission rate	
		Nominal test pressure	
		Range of working pressure	
		Range of regulation, if any	
		Emission rate as a function of inlet pressure.	
		Dimension of the smallest flow path in emitter	

Upload technical specification in pdf format.

B. SPRINKLER IRRIGATION SYSTEMS

A) Components

I. Pipes -

S N	Component	BIS No	Class	Wall thickness mm	CM/L No.	Validity Date	Operating pressure kg/cm ²	* Upload duly attested copies of the BIS certificate. (validity upto 31.3.2018)
1	HDPE Pipes I. 63 mm II. 75 mm III. 90 mm							
2	Pipe with riser outlet							
3	Riser pipe							

II. Sprinkler Nozzle

S.N.	Nozzle Type	Discharge	Area Covered	BIS No.	CM/L No.	Validity Date	*Upload duly attested copies of the BIS certificate. (validity upto 31.3.2018)

III. Accessories

S.N.	Components	Size	CM/L No.	BIS/NTH No.	Validity date
1.	Screwed coupler				
2.	Bend 90 ^o				
3.	Tee				
4.	Pressure gauge				
5.	Service saddle with metallic Battens				
6.	End plug				
7.	Pump connecting nipple				
8.	Reducer				
9.	other				

B) List of self manufactured components and their brand names

Sr. No.	Component specification	Brand Name
1.	HDPE Pipes with Quick Release Coupler (Pipe of Class II, 3.2 kg/cm ² , IS:14151 Part I, 63 mm , 6 m long	
2.	HDPE Pipes with Quick Release Coupler (Pipe of Class I, 2.5kg/cm ² , IS:14151 Part I, 75 mm, 6m long	
3.	HDPE Pipes with Quick Release Coupler (Pipe of Class I, 2.5kg/cm ² , IS:14151 Part I, 90 mm, 6m long	
4.	QRC HDPE 63 mm, Service Saddle IS:14151 Part II	
5.	QRC HDPE 75 mm, Service Saddle IS:14151 Part II	
6.	QRC HDPE 90 mm, Service Saddle IS:14151 Part II	
7.	GI Riser Pipe ¾" diameter	
8.	Sprinkler Nozzles (1.7 to 2.8kg/cm ²) IS:12232 Part I	
9.	QRC HDPE Bend with Coupler 900 (63 mm) IS:14151 Part II	
10.	QRC HDPE Bend with Coupler 900 (75 mm) IS:14151 Part II	
11.	QRC HDPE Bend with Coupler 900 (90 mm) IS:14151 Part II	
12.	QRC HDPE Pump Connecting Nipple, 63 mm, IS:14151 Part II	
13.	QRC HDPE Pump Connecting Nipple, 75 mm, IS:14151 Part II	
14.	QRC HDPE Pump Connecting Nipple, 90 mm, IS:14151 Part II	
15.	QRC HDPE End Plug ,(63 mm) IS:14151 Part II	
16.	QRC HDPE End Plug ,(75 mm) IS:14151 Part II	
17.	QRC HDPE End Plug ,(90 mm) IS:14151 Part II	
18.	QRC HDPE Tee with Coupler,(63 mm) IS:14151 Part II	
19.	QRC HDPE Tee with Coupler,(75 mm) IS:14151 Part II	
20.	QRC HDPE Tee with Coupler,(90 mm) IS:14151 Part II	
21.	Others, specify any	

C) List of components outsourced with BIS marking

S. N	Name of Component outsourced	Name of supplying manufacture with detailed address	BIS No.	CM/L No.	Validity date	Brand Name	* Upload duly attested copies of the BIS certificate for... 1.HDPE Pipes 2.Sprinkler Nozzle (validity up to 31.3.2018)	*Upload duly attested copy of agreement with supplying manufacturer
1	2	3	4	5	6	7		

D) Production Details (for year...)

S. N.	Components	Total Quantity Produced		Quantity sold in M.S.	Quantity sold in M.S. on subsidy	Source of raw material	Raw material used	
		Unit	Quantity				Unit	Quantity
1.	HDPE Pipes 1. 63 mm 2. 75 mm 3. 90 mm							
2.	Pipe with riser outlet							
3.	Riser pipe							
4.	Screwed coupler							
5.	Bend 90 ⁰							
6.	Tee							
7.	Pressure gauge							
8.	Service saddle with metallic Battens							
9.	End plug							
10.	Pump connecting nipple							
11.	Reducer							

E) Installation of Sprinkler sets in the State of Maharashtra during the last three years

S.N	District	Year	No. of sets installed	No. of farmers covered	Area (ha) covered	* Fill the Information in this field for all districts
1	Thane					
2	Palghar					

F) Proposed targets for the year

Sr. No.	District	Proposed Target	
		No. of sets	Area
1	2	3	4

G) Information on R & D facilities available with the company.

- *Upload only one page note on following points
- c) Research Activities.
 - d) Development activities covering,
 - 5. Farmer's Training
 - 6. Seminars
 - 7. Visit of farmers to Agri. Polyclinics,SAU
 - 8. Any other

H) Quality control facilities.

S. N.	Name of machinery/ Instrument in the lab.	Make & No	Used for which test	Capacity	Register maintained in lab.	Man power available for quality control		
						Name	Designation	Qualification
1	2	3	4	5	6	7	8	9

I) Farmer's complaints received regarding manufacturing defects during last 3 years

Sr. No.	Financial Year	No. of total complaints	complaints regarding			No. of complaints on which action taken
			HDPE Pipes	QRC HDPE components	Sprinkler Nozzle	
1						
2						
3						

J) Technical specifications for testing samples/ analysis.

Sl.No.	Specification	60 mm	75 mm	90 mm
1	Nominal outside diameter(mm)			
2	Ovality (mm)			
3	Class of Pipe			
4	Wall thickness, mini/ maxi (mm)			
5	Grade of Polyethylene			
6	MFI of the material (gm/10min)			
7	Density of the material (kg/m ³)			
8	Carbon black content			
9	Dispersion			
10	Use of rework material (%)			
11	Hydraulic Characteristics			
12	Tensile Strength at yield			
13	Elongation at break			
14	Reversion			
15	Pipe-Jointing & Connections			

Upload technical specification in pdf format.

Declaration by the Manufacturer

- 1) We have read and understood the Terms and conditions relevant to the Registration and we have agreed for registration in accordance with the Terms and conditions specified.
- 2) We are agreeable for all the Terms and Conditions stipulated now and from Time to Time by Government of India and Government of Maharashtra/SLSC/Commissioner of Agriculture.
- 3) We are agreeable to follow strictly the guidelines issued by the Gol/Commissioner of Agriculture
- 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 agreeable to furnish the required report in the prescribed Proforma every month by E-mail to the Director Horticulture, M.S. Pune 5
- 6) We are agreeable to take the actions such as cancellation of registration, punitive measures and further any legal action against dealers if he indulge in Malpractices and ensure that the dealers adhere to the guidelines and also render prompt service to the farmers. If dealer found indulged in malpractices, company will cancel dealership of concerned dealer.
- 7) We are aware that an agreement with Commissioner of Agriculture has to be done by the undersigned within 15 days of renewal of registration for the year 2017-18, failing which the registration will stand terminated without any notice.
- 8) We are agreeable to keep batch wise record of all items of Micro-irrigation system and also make mention of batch No. /lot No. in each and every supply bill, so that traceability of material supplied to any farmer will be possible.
- 9) We are aware that price policy after the date of decision, taken by the SLSC, TSG & Registering Authority will be bound on us.
- 10) We are agreeable to test batch wise samples of each and every component produced/outsourced by us and also maintain up to date record of sample tested.
- 11) We are agreeable to test raw material used for our products and also maintain up to date record of the same.
- 12) The information furnished in 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.

Place:

Date:

Seal and Signature of the Manufacturer