

Renewal of registration Notice....

12394/  
Kruaa-2022/PMKSY- MI/Renewal./212/Hort-4  
Commissionerate of Agriculture, Maharashtra State  
Pune - 411005, Dt. 28/03/2022

To, Micro irrigation  
Manufacturers  
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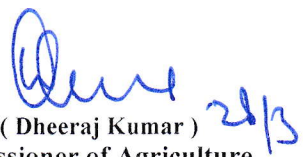
**Subject : Renewal of registration of Drip & Sprinkler manufacturers for the year 2022-23**

Centrally sponsored scheme on micro irrigation(Per Drop More Crop) is proposed to be implemented under Pradhan Mantri Krushi Sinchayee Yojana (PMKSY) in the year 2022-23.

Micro irrigation manufacturers registered from the year 2017-18 to 2021-22 are invited to submit applications for renewal of registration 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 (Micro irrigation) component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) during 2022-23 with following updated documents as per checklist.

The renewal of registration will be restricted for the schemes implemented by Agriculture department. Updated terms and conditions timely issued by Commissioner of Agriculture are applicable to the Micro irrigation manufacturers. Renewal of registration fee of Rs.25,000/-(Rupees Twenty five thousand only ) is to be paid through online Government Receipt Accounting System (GRAS) at the time of renewal of registration.

Commissionerate of Agriculture reserves the right to cancel the Renewal of registration of manufacturer's if manufacturer found violating the guidelines, indulge in malpractices, supply of substandard material, etc.,

  
( Dheeraj Kumar )  
Commissioner of Agriculture  
Maharashtra State, Pune



## Checklist for Registration/Renewal of MIS Manufacture

Sr.N o	Section	Page No.
	<b>Manufacturer Details</b>	
1	1.1 Application Form In Prescribed Format (Annexure - 1)	
2	2.1 Annexure - 2 (Authorised Signatory For Signing Registration/Renewal Agreement/Documents)	
3	3.2 Manufacturer Details in given format point no 1 - 13 ( Only information)	
4	<b>Attachments</b>	
	4.1 Certificate - Company Type (Pvt Limited/Pbblc Limited/Properiter/Partership/LLP)	
	4.2 Certificate - Compnay Incorporation /Shop Act /Udyog Adhar/MSMe Certificate no.	
	4.3 GSTN Registration	
	4.4 PAN Card Copy	
	4.5 Certificate - Manufacturing Licence No	
	4.6 Partnership deed ( If applicable)	
	4.7 Director Details - DIN / DPIN Certificate	
	4.8 Turn over during past three years	
	4.9 GST Paid Details a) GSTR -9 For FY 2020-21	
	4.10 b) Monthwise GST Paid Certifcae (Annexure 3)(2021-22)	
	4.11 Annexure 5 A (PMKSY Guidline 2021-22-Material supply Details in FY 21-22)	
	4.12 Experience Certificate In Installation of MI In Maharashtra / India	
	4.13 Bank Guarantee original	
	4.14 Registration/Renewal Fee Paid by GRAS system	
5	<b>Details of service centre/ Technical representative/Authorized dealers</b>	
	5.1 Details of District wise Service Centers available in Maharashtra in prescribe format (point no 13 - list)	
	5.2 Technical representative - Degree Certificates	
	5.3 Details of Districtwise Authorized Dealers in prescribed format ( point no 14 )	
	5.4 Lists of Districts for which registration is required ( point no 15 )	
6	<b>Agreement/Undertaking/Declaration By manufacture</b>	
	6.1 Notorized Company Agreement with CoA on Rs.500/- nonjudicial stamp paper (Annex A)	
	6.2 Certificate of company showing that no ban on supplying micro irrigation sets in other states (Annex-4 )	
	6.3 Declaration by the manufacturer (In Given Format)	
	6.4 Annexure - 5 ( Authorised Signatory For providing technical specification of Samples - Quality Control	
7	<b>Drip Irrigation -</b>	
	7.1 List of Components Self manufactured / Outsourced with BIS Validity Certificate and Agreement ( Annex 6 )	
	7.2 Attachment of BIS certificates & outsourced agreement ( as per serial in Annex 6 )	
	7.3 Information on R & D Facilities Available with the company -"A"	
	7.4 Quality control facilities -"B"	
	7.5 Production Details point No "C"	
	7.6 Installation of Drip sets in the state of Maharashtra During Last three years "D"	
	7.7 Proposed Targets For Year "E"	
	7.8 Farmer's complaints received regarding manufacturing defects during last year "F"	
	7.9 Technical Specifications of components for testing Samples/ analysis ( Annexure- 7 )	
	7.10 MI Component wise pricelist for 2021-22 ( Annexure- 8 )	
8	<b>Sprinkler Irrigation -</b>	
	8.1 List of Components Self manufactured / Outsourced with BIS Validity Certificate and Agreement ( Annex 9 )	
	8.2 Attachment of BIS certificates & outsourced agreement ( as per serial in Annex 9 )	
	8.3 Information on R & D Facilities Available with the company "G"	
	8.4 Quality control facilities "H"	
	8.8 Farmer's complaints received regarding manufacturing defects during last year "I"	
	8.9 Technical Specifications of components for testing Samples/ analysis " J "	
	8.5 Production Details point "K"	
	8.6 Installation of sprinkler sets in the state of Maharashtra During Last three years "L"	
	8.7 Proposed Targets For Year "M"	

**Annexure I**

(Draft of Covering Letter on manufacturer letter head)

No.

Date :        /        /20

To,

**Director Horticulture  
Commissionerate of Agriculture,  
Maharashtra State, Sakhar sankul,  
second Floor, Shivajinagar,  
Pune - 411 005**

**Sub: RENEWAL OF MIS SUPPLIER UNDER (DRIP / SPRINKLER / DRIP &  
SPRINKLER ) MICRO IRRIGATION SCHEME.**

Dear Sir,

We have received Letter regarding renewal of **(DRIP / SPRINKLER /  
DRIP & SPRINKLER ) MIS SUPPLIER UNDER MICRO IRRIGATION SCHEME** through  
downloading from your website.

We have gone through the selection criteria for renewal and general terms and  
conditions, and all are acceptable to us. Considering this, we are forwarding Prescribed  
Renewal form along with all details in the prescribed formats for your consideration.

Thanking You,

Yours faithfully,

For \_\_\_\_\_

Authorized Signatory -  
Name OF Authorized Signatory -  
Designation OF Authorized Signatory -

(Seal of the Company)



(Annexure - 2)

**Letter of Authority as a Company Representative**

I,.....(Name of Manufacturers' MD/CEO/Proprietor/Partner/),  
.....(Designation) .....(Company Name ), a  
company /Firm its registered office at .....(Registered Address Of  
Manufacture ), hereby state that pursuant to the authority given to me by Company further delegate  
and authorise any Company official, I do hereby authorize Mr.  
.....(Name & Designation ) of the Company, to sign and  
execute all such documents, deeds, agreements, forms, applications, indemnities, papers, etc., as may  
be required, to represent the Company before the concerned authorities of Commissionerate of  
Agriculture & Director of Horticulture for the registration/Renewal process for Micro Irrigation in  
and to generally do all such other acts, things and deeds as may be necessary to complete all required  
the formalities in connection with the Registration/Renewal in Maharashtra on behalf of the  
Company & other work throughout the registration/Renewal period.

For .....(Company Name)

(Signature)

\_\_\_\_\_  
Name of MD/CEO/Partner/Proprietor.....

I Accept:

\_\_\_\_\_  
(Signature)

(Name of Person Authorised For Maharashtra)

Designation: .....

Email ID For All communication:.....

Mobile:-.....

Date:-.....



**APPLICATION FOR RENEWAL IN THE YEAR 2022-23**

1 Name of Applicant Manufacture:

2 Address:

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

(\*Add all Brach Regional/Branch /factory/Godown Adress)

3 Manufacture Details

Company Name		
Website		
Authorised Signatory For Signing Registration/Renewal Agreement		Attach Certificate (Annexure -2)
Official Email ID For Communication with Compnay		
Mobile No of Authorised Person		
Toll Free Number For Maharashtra		
Company UIN No		
Company Type (Pvt Ltmited/Pbblic Limited/Properiter/Partership/LLP)		Attach Certificate
Compnay Category (Micro/Small Scale/Medium.Large)		
Compnay Incorporation /Shop At /Udyog Adhar/MSMe Certificate no.		Attach Certificate
GSTN NO		Attach Certificate

PAN NO		Attach Certificate
Partnership deed( If applicable)		Attach Deed
Manufacturing Licence No		-Attach certificate
Manufacturing Licence Issuing Authority Issuing Authority		
Validity Of Factory Licence		

4 **Directors/Partner/Proprietor Details**

Name Of Director/Partner/Proprietor	Adress	Contact No	DIN/DPIN NO	PAN NO	List of all director's DPIN No & Pan No.

(Attach DIN /DPIN/patership Deed )

5 **Compnay Turnover in last 3 Years**

Year	Turn Over (Rs.in.cr.)	- Attach Statement of account for last three years duly certified by

6 **GST Paid Details**

- a) GSTR -9 For FY 2020-21 Attach Certificate  
b) Monthwise GST Paid Certificate (Annexure 3)(2021-22) Attach Certificate

7 **Experience in Installation in Maharashtra /India**

	Maharashtra	State 1	State 2	State 3
Experience in No Of Years				
Area covered in Last 3 Years in Drip in Ha				
Area covered in Last 3 Years in Sprinkler in Ha				
Total in ha				

8 **Previous Registration Order issued By Commissionarate Of Agriculture (Date & validity)**

(Applicable for Manufacture who have registered earlier in Maharashtra)

(For Renewal of Manufacture-Need to mention last Year Order issued Details)

MI System	Order Outword No	Date	Registration Validity Period (Year From -Year to)
Drip Irrigation Systems			
Sprinkler Irrigation Systems			



9 Kind of MI system for which Registration is requested.

MI System	Yes/No
Drip Irrigation Systems	
Sprinkler Irrigation Systems	

10 Details of Bank Guarantee

MIS SYSTEM	Drip	Sprinkler
Amount(Rs.)	200000	100000
BG No.		
Date of Purchase		
Date of Expiry		
Name of the Bank		
Branch		
Note: submit Bank Guarantee in original format to Director Horticulture office.		

11 Payment for Registration/Renewal Fees

MIS SYSTEM	Drip Renewal Fees Rs 25000/-	Sprinkler Renewal Fees Rs 25000/-
Amount(Rs.)		
GRN NO		
Date		
Name of the Bank		
Branch		
Note: submit Challan in original format to Director Horticulture office and also upload it on software		

12 Quality Performance (At least last three years)

Sr. No.	Year	No. of samples taken all Put Together	No. of samples analyzed	No. of samples passed	No. of samples not as per BIS

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

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

(From Point 1-12 -Information is to be submitted & all attachments as per Checklist )

**14 Details of District wise service centers available in Maharashtra**

No. districts where service centers opened	Total service centers

**Upload / Attach statement in following proforma (Attach Deegree Certificates of Service Center Technical Representative) PF number is coumpulsary**

Sr. No.	Name of District	Name & Address	Details of Service Centre In charge			
			Name	Qualification	PF No.	Mobile No.

**15 Details of District wise Authorized Dealers**

No. districts having Authorized Dealers	Total Authorized Dealers

Upload / Attach statement in following proforma

Sr. No.	Name of District	Name of Dealer's Firm	Address	Jurisdiction	Phone No.	GSTN No.

**16 List of the districts for which registration is required.**

Sr. No	Name of District	System Type(Drip/Sprinkler)
1	2	3



## Annexure -3

## Monthwise GST Paid Details

Name Of Manufacture:

SR.NO	Month	Taxable Amount	IGST	SGST	CGST	SES	TOTAL GST	REMARK
१	२	३	४	५	६	७	८	९
1	Apr-21							
2	May-21							
3	Jun-21							
4	Jul-21							
5	Aug-21							
6	Sep-21							
7	Oct-21							
8	Nov-21							
9	Dec-21							
10	Jan-22							
11	Feb-22							
12	Mar-22							
	<b>Total</b>							

Compnay Authorised person

**Declaration by the Manufacturer**

( On manufacturer letter head)

- 1) We have read and understood the Terms and conditions relevant to the renewal and we have agreed for renewal 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 GoI/Commissioner of Agriculture
- 4) We are aware that our renewal is liable for cancellation and we will be unregistered 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 as directed in guidelines to the Director Horticulture, M.S. , Pune 5
- 6) We are agreeable to take the actions such as cancellation of renewal, 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 Director of Horticulture has to be done by the undersigned within 15 days of renewal for the year 2022-23, 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 samples of each and every component produced/outsourced by us and also maintain up to date record of sample tested.
- 11) The information furnished in the renewal 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**



**Annexure – 4**  
**( On manufacturer letter head)**  
**- प्रमाणपत्र -**

प्रमाणित करण्यात येते की, प्रधानमंत्री कृषि सिंचाई योजनेंतर्गत प्रति थेंब अधिक पिक सुक्ष्म सिंचन घटकांतर्गत मे.-----,

पत्ता- -----

सुक्ष्म सिंचन संच उत्पादक कंपनीने महाराष्ट्र राज्या व्यतिरिक्त

1)-----, 2) -----, 3) ----- 4) ----- 5) -----

या राज्यामध्ये सुक्ष्म सिंचन संच उभारणीसाठी नोंदणी केलेली आहे. सुक्ष्म सिंचन योजनेंतर्गत आमच्या कंपनीची मागील पाच वर्षांमध्ये कोणत्याही राज्याने कोणत्याही कारणास्तव सुक्ष्म सिंचन संच उत्पादक म्हणून केलेली नोंदणी रद्द करून सुक्ष्म सिंचन संचाचा पुरवठा करण्यास बंदी घातलेली नाही. अथवा कोणत्याही कारणास्तव कंपनीचे नांव काळ्या यादीत टाकलेले नाही.

ठिकाण -

दिनांक -

उत्पादकाची स्वाक्षरी -

उत्पादकाचे नांव -

उत्पादक कंपनीचा शिक्का / सिल

(Annexure-5)

(Letter of Authorised Signatory for Quality Control & Undertaking)

I,.....(Name of Manufacturers' MD/CEO/Proprietor/Partner/),  
.....(Designation) .....(Company Name ), a  
company /Firm its registered office at .....(Registered Address Of  
Manufacture ), hereby state that pursuant to the authority given to me by Company further delegate  
and authorise any Company official, I do hereby authorize Mr.  
.....(Name & Designation ) of the Company, to share  
Technical details of MIS products required during Sample collection Process as mentioned in  
center& state guidelines. He/she will provide & authenticate technical details of Emitter/Emitting  
Pipe/Lateral/PVC Pipe/HDPE Pipe 's samples collected from farmer's filed & Manufacture godown.

**Company Hereby Declare that**

- 1)Company assures you that the technical details provided by authorized person will be correct & same as submitted at BIS.
- 2)Company will set up process to provide the details as an when required by Commissionerate of Agriculture & Director of Horticulture.
- 3)Company will educate district level technical representative to follow sample collection process & collect required details from authorized person.
- 4)Company will provide all Sample's technical details with signature of Person Authorized for Maharashtra state to provide the details.
- 5)Company will be solely responsible For Any wrong information provided by authorized representative.

For .....(Company Name)

(Signature)

\_\_\_\_\_  
Name of MD/CEO/Partner/Properietier.....

I Accept:

\_\_\_\_\_  
(Signature)

(Name of Person Authorised for Maharashtra)

Designation: .....

Email ID:.....

Mobile:-.....

Date:-.....



## Annexure -6

### BIS Certified Products List with Validity ,Brand Name (DRIP)

Sr.No.	MIS SYSTEM	BIS Component	BIS NO	Company Brand Name on Product	Class(I,II,III)	CML NO	BIS Certificate validity	Self/Outsourced	Name of Outsourced Supplier	Agreement ON Rs 100 Stamp Paper Period(From - To)	Size Available (mm/inch)
1	Drip	Laterals	IS 12786: 1989								
2	Drip	Emitter(Dripper)	IS 13487: 1992								
3	Drip	Emitting Pipe(Inline)	IS 13488: 2008								
4	Drip	Strainer type filters(Scren/Disc)	IS 12785: 1994								
5	Drip	Venturi Injector	IS 14483 (Part I)								
6	Drip	Media Filter (Sand Filter)	IS 14606: 1998								
7	Drip	Hydro cyclon Filter	IS 14743: 1999								
8	Drip	PVC Pipes	IS 4985 – 2000								
9	Drip	HDPE Pipes for Water Supply	IS 4984 : 1995								
10	Drip	Fertilizer Tank	IS:14483 Part 3								

1) , Manufacture can add Rows -In case of More Than One CML registered for a BIS

2)For Drip Irrigation Registration Lateral , Emitter,Emitting Pipe must be manufactured by MIS supplier.

3)All Bis Items valid Agreement are required

4)Submit 2 extra copies of this annexure along with file

**(DRIP IRRIGATION)**

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

\* Attach only one page note on following points

- a) Research Activities.
- b) Development activities
  - 1. Farmer's Training
  - 2. Seminars
  - 3. Visit of farmers to Agri. Polyclinics,SAU
  - 4. Any Other

**B) Quality control facilities.**

S.N.	Components	Test	Test carried daily/weekly	Register maintained in the lab	Name of Machinery	Capa-city	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							
2	Emitters	e) Tensile test and elongation							
		f) ESCR test							
		a) Flow path							
		b) Resistance to hydraulic pressure							
		c) Emitters pull out test							
		d) Uniformity of emission test							
3	Emitting Pipe	e) Emission rate as a function of inlet pressure							
		f) Determination of emitter exponent							
		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									

C) **Production / Sale Details (for year last year)**

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

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

S.N	District	Area covered under Drip in Ha		
		Year 2019-20.	Year 2020-21	Year 2021-22
1				
2				
3				
4				

E) **Proposed targets for the year 2021-22.....**

Sr. No.	District	Drip Area in ha.

F) **Farmer's feedback or Grievance/complaints received regarding manufacturing defects during last year**

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



## Annexure -7

(Manufactures can add Pressure other than mentioned in table declared at BIS)

Annexure -7 (Technical Specifications of Drip Components)											
(For BIS 12786/BIS 13488/BIS 13487)											
Sr.No	BIS	Name of component	Diameter	Inside Dia (Minimum)	Inside Dia (maximum)	wall Thickness Minimum (mm)	Wall Thickness Maximum (mm)	Class- I, II, III	Category(A/B)	Regulated /Non Regulated	Discharge
1	2	3	4	5	6	7	8	9	10	11	12
(For BIS 12786/BIS 13488/BIS 13487)											
Nomina m Test Pressure (1Kg/cm <sup>2</sup> )	Smallest Flow Path (MM)	Flow Rate (LPH) @ Pressurew 0.50Kg/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew 0.8K0g/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew 1.00Kg/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew 1.20 Kg/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew 1.50 Kg/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew 1.80 Kg/cm <sup>2</sup>	Flow Rate (LPH) @ Pressurew .....Kg/cm <sup>2</sup>	Spacing available(m m)	Remark	
13	14	15	16	17	18	19	20	21	22	23	

## Annexure -9

**BIS Certified Products List with Validity ,Brand Name (SPRINKLER)**

Sr.No.	MIS SYSTEM	BIS Component	BIS NO	Company Brand Name on Product	Class(I,II,III)	CML NO	BIS Certificate validity	Self/Outsourced	Name of Outsourced Supplier	Agreement ON Rs 100 Stamp Paper Period(From - To)	Size Available (mm/inch)
1	Sprinkler	Laterals	IS 12786: 1989								
2	Sprinkler	Strainer type filters(Seren/Disc)	IS 12785: 1994								
3	Sprinkler	Rotating sprinkler Part I	IS 12232 (Part I)2011)								
4	Sprinkler	Rotating sprinkler Part II	IS 12232 (Part II)								
5	Sprinkler	Venturi Injector	IS 14483 (Part I)								
6	Sprinkler	Media Filter (Sand Filter)	IS 14606: 1998								
7	Sprinkler	Hydro cyclon Filter	IS 14743: 1999								
8	Sprinkler	PVC Pipes	IS 4985 - 2000								
9	Sprinkler	HDPE Sprinkler pipes - Specifications II	IS 14151 (part II)								
10	Sprinkler	Fertilizer Tank	IS:14483 Part 3								

- 1) Manufacture can add Rows -In case of More Than One CML registered for a BIS  
 2)For Sprinkler PE Pipe or NozzleOr Hdpe Pipe should be manufactured by MIS supplier  
 3)All Bis Items valid Agreement are required  
 4)Submit 2 extra copies of this annexure along with file

**(SPRINKLER IRRIGATION SYSTEMS)**

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

( Attach 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.	Name of machinery/ Instrument in the lab.	Make & No	Used for which test	Capa-city	Register maintained in lab.	Man power available for quality		
	Name					Designati on	Qualificati on	
1	2	3	4	5	6	7	8	9

**I) Farmer's feedback or Grievance/complaints received regarding manufacturing defects during last year**

Sr. No.	Financial Year	No. of total complaints	complaints regarding			No. of complaint s on which
			HDPE Pipes	QRC HDPE components	Sprinkler Nozzle	
1						
2						

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

Sl.No.	Specification	63 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/m3)			
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			



**K) Production Details (for yea 2021-22)**

S.N.	Components	Total Quantity Produced		Quantity sold in	Quantity sold in
		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 <sup>0</sup>				
6.	Tee				
7.	Pressure gauge				
8.	Service saddle with metallic Battens				
9.	End plug				
10.	Pump connecting nipple				
11.	Reducer				

**L) Installation of Sprinkler sets in the State of Maharashtra during t**

S.N	District	Area covered under Sprinkler in Ha		
		Year2019-20,	Year 2020-21	Year 2021-22
1				
2				
3				
4				

**M) Proposed targets for the year 2021-22.....**

Sr. No.	District	Drip Area in ha.

## Annexure – C

### Pradhan Mantri Krishi Sinchan Yojana

#### Bank Details

Commissionerate of Agriculture ,M S, Pune (Pradhan Mantri Krishi Sinchan

Name Of Account Yojana)  
Account No: 40460850002  
IFSC Code SBIN0000454  
Branch Main Branch Pune  
Email [agridrip@rediffmail.com](mailto:agridrip@rediffmail.com)  
Telephone No 020-25537673  
PAN No- AAAGA0389R

(Above Details are Given for bank Guarantee Purpose from Micro Irrigation Manufactures)

## Annexure - D

Step By Step GRAS Payment Process For Manufactures		
Step	Details	
1	Go to the Government Receipt Accounting Syatem-GRAS Website	<a href="https://gras.mahakosh.gov.in/echallan/">https://gras.mahakosh.gov.in/echallan/</a>
2	Go to Pay without Registration	
3	Select Department	Commissionerate Of Agriculture
4	Payment Type	Other Receipts
5	Select District	Pune
6	Select Office Name	Director of Horticulture
7	Select Scheme Name	Other Items
8	Period Year	2022-23
9	Select Period	Annual
10	Form ID is not compulsory	
11	Add. Amount in Account Details	Rs 50000 For Drip Registration Rs 50000 For Sprinkler Registration
12	Add Payee Details	Manufacturer's Details
13	If Net Banking is available then Select	e-Payment
14	If Net Banking is not available then Select	Payment Process Bank Counter
15	Select Your Bank name	
16	Input Image Text	
17	Submit	
18	Draft Challan	MTR Form No.6
19	Add payer Details again	
20	Proceed	



## Annexure - E

### List of BIS Standards

S. N.	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)	IS14151(partI)1999 (reaffirmed 2009)
12	Irrigation equipment- Sprinkler pipes -Specifications Part II Quick coupled Polyethylene pipes & fittings (second revision)	IS14151(partII)2008 (reaffirmed 2014)
13	High Density Polyethylene Pipes for water supply- Specification (fourth revision)	IS4984:1995 (reaffirmed 2002)
14	Fertilizer & Chemical Injector System- Partjnq 3 Fertilizer Tank	IS:14483Part 3 - 2016

*Source: Online catalogue of Bureau of Indian Standards*