

Agriculture and Farmers Welfare Department, Haryana

Underground Pipeline and Micro-irrigation

The applications are invited on www.agriharyanaofwm.com web portal for the registration of firms for supply of Underground Pipeline (UGPL) and Micro-irrigation systems (Sprinkler, Mini-Sprinkler and Drip). The registration will be carried out for 3 years i.e. 2017-18, 2018-19 and 2019-2020 on the following specifications and Terms & Conditions:

A) Specifications of the Material

The specifications of material required for UGPL and Micro-irrigation systems (Sprinkler, Mini-sprinkler and Drip) are as under:

(i) Under-ground Pipeline (UGPL)

Sr.No.	Component	Specification	Pressure Class and Size
1.	HDPE Pipe	IS:14151-Part-1(1999)	2.5 kg / cm ² and 3.2 kg/ cm ² (75mm to 200 mm)
2.	PVC Pipe	IS:4985 (2000)	2.5 kg / cm ² (90mm to 200 mm) and 4 kg / cm ² (75mm to 200 mm)
3.	PCN	Test Certificate/ License with Fittings	75mm to 200 mm
4.	Tee	Test Certificate/ License with Fittings	75mm to 200 mm
5.	Bend	Test Certificate/ License with Fittings	75mm to 200 mm
6.	End Cap	Test Certificate/ License with Fittings	75mm to 200 mm
7.	Quick Coupler	Test Certificate/ License with Fittings	75mm to 200 mm
8.	Air Release Valve	--	-

(ii) Portable Sprinkler

Sr.No.	Component	Specification	Pressure Class and Size
1.	Coupled HDPE Pipe	IS:14151-Part-II (1999/2008)	2.5 kg / cm ² and 3.2 kg/ cm ² (75mm & 90 mm)
2.	Aluminum Alloy tube	IS:7092-Part-II (1992)	2.5 kg / cm ² (75mm)
3.	Rotating Sprinkler / Nozzle	IS:12232 (1996)	¾ inch Inlet
4.	Riser Pipe	IS:1239	-
5.	PCN	Test Certificate / License with Fittings (HDPE)	75mm & 90 mm
6.	Tee	Test Certificate / License with Fittings (HDPE)	75mm & 90 mm
7.	Bend Coupled	Test Certificate / License with Fittings (HDPE)	75mm & 90 mm
8.	End Cap	Test Certificate / License with Fittings (HDPE)	75mm & 90 mm
9.	Attachments	Test Certificate / License with Fittings (HDPE)	75mm & 90 mm

(iii) Mini-Sprinkler

Sr.No.	Component	Specification	Pressure Class and Size
1.	HDPE Pipe (per mtr. Length)	IS:14151-Part-I (1999)	3.2 kg / cm ² (63mm) and 2.5 kg / cm ² (75mm & 90 mm)
2.	PVC Pipe (per mtr. Length)	IS:4985 (2000)	4 kg / cm ² (63 mm, 75mm & 90 mm)
3.	Lateral LLDPE (per mtr. Length)	IS:12786 (1989)	2.5 kg / cm ² (32mm)
4.	Mini-sprinkler / Nozzle with complete Assembly	IS:12232 (1996)	½ inch Inlet
5.	Riser (Stake) (1.2	Electro Plated /	8 mm

	mtrs. Length)	Galvanized	
6.	Control Valve	Test Certificate	63 mm to 90 mm
7.	Flush Valve	Test Certificate	63 mm to 90 mm
8.	Male / Female Threaded Adaptor	PVC-IS:7834(1987) /HDPE-Test Certificate	63 mm to 90 mm
9.	Bend /Elbow	PVC-IS:7834(1987) /HDPE-Test Certificate	63 mm to 90 mm
10.	Tee	PVC-IS:7834(1987) /HDPE-Test Certificate	63 mm to 90 mm
11.	End Cap	PVC-IS:7834(1987) /HDPE-Test Certificate	63 mm to 90 mm
12.	Service Saddle (PVC/HDPE)	Test Certificate	63 mm to 90 mm
13.	Screen Filter with inlet & outlet.	IS:12785 (1994)	Capacity 20, 25 & 30 m ³ per hour.
14.	Reducing Socket	--	As per requirement
14.	Air Release Valve	-	-
15.	Fittings		
(i)	Lateral Valve (PVC/PP)	Test Certificate	32 mm
(ii)	Male / Female Threaded Adaptor (PVC/PP)	Test Certificate	32 mm
(iii)	Joint Coupler (PVC/PP)	Test Certificate	32 mm
(iv)	End Cap (PVC/PP)	Test Certificate	32 mm
(v)	Tee(PVC/PP)	Test Certificate	32 mm
(vi)	Bend / Elbow (PVC/PP)	Test Certificate	32 mm

Note: Linear Low Density Poly Ethylene Pipe(LLDPE); Poly Propylene (PP)

(iv) Drip System

Sr.No.	Component	Specification	Pressure Class and Size
A.	Head Control Unit		
(i)	Screen/Disc Filter with Inlet & Outlet Fittings	IS:12785 (1994)	Capacity 20, 25 & 30 m ³ per hour.
(ii)	Header Assembly/	--	1.5 to 2.5 inch

	Manifold		
(iii)	Non Return Valve	--	1.5 to 2.5 inch
(iv)	Air Release Valve	--	1.5 to 2.5 inch
(v)	Pressure Gauge	Test Certificate	2.0 inch
(vi)	Ventury with Manifold	IS:14483 Part-I (1997)	¾ to 2.0 inch
(vii)	Reducing Socket	--	As per requirement
	Optional Items		
(a)	Fertilizer Tank	IS:14483 Part-III (2016)	30/60 Ltr.
(b)	Hydro Cyclone Filter with Inlet & Outlet	IS:14743 (1999)	Capacity 20, 25 & 30 m ³ per hour.
(c)	Sand Filter with Inlet & Outlet	IS:14606 (1998)	Capacity 20, 25 & 30 m ³ per hour.
B.	Water Carrier System		
(i)	PVC Pipe (per mtr. Length)	IS:4985 (2000)	4 kg / cm ² (63 mm, 75mm & 90 mm)
(ii)	Control Valve	Test Certificate	63 mm to 90 mm
(iii)	Flush Valve	Test Certificate	63 mm to 90 mm
(iv)	Male / Female Threaded Adaptor	PVC- IS:7834(1987)	63 mm to 90 mm
(v)	Bend /Elbow	PVC- IS:7834(1987)	63 mm to 90 mm
(vi)	Tee	PVC- IS:7834(1987)	63 mm to 90 mm
(vii)	End Cap	PVC- IS:7834(1987)	63 mm to 90 mm
C.	Water Distribution System		
(i)	Lateral LLDPE (per mtr. Length)	IS:12786 (1989)	2.5 kg / cm ² (16 mm)
(ii)	Emitting Pipe (per mtr. Length)	IS: 13488 (1992)	1.25 kg / cm ² (16 mm)
(iii)	Grommet		16 mm
(iv)	Take off/ Start Connector		16 mm
(v)	Nipple/Joiner		16 mm
(vi)	End Cap		16 mm
(vii)	Lateral Cock		16 mm

B) Terms and Conditions for Registration

- 1) The Manufacturer / Supplier should have valid GST and PAN Card Number.

- 2) Manufacturer / Supplier shall apply online separately for registration of any irrigation system along with requisite documents i.e. copy of BIS license(s) / DIC/SSI/SME License (Aluminum)/Test Certificate(s), Registration Fee(s), Bank Guarantee(s) etc. as per the Check List given on the www.agriharyanaofwm.com web Portal.
- 3) Manufacturer / supplier shall upload the self-attested copies of all requisite documents duly signed with stamp on the www.agriharyanaofwm.com Portal. The registration fee and Bank Guarantee (original) shall be produced by the Manufacturer/Supplier at the time of verification of documents by the Committee.
- 4) Since the Manufacturers of Aluminum pipe are not supplying the complete Sprinkler irrigation system, thus, the Suppliers may have their own factory for fabricating Aluminum based Sprinkler irrigation system with i) Hydraulic Coupler Fixing Machine for fixing MLC or SLC with Aluminum tube, ii) Hydraulic Pipe end folding Machine for folding male end of Aluminum tube, iii) Power Press with Compressor for making of Aluminum Clamps & Batton, and iv) Testing facility/ Equipments.
- 5) The manufacturer / supplier of HDPE based Sprinkler irrigation system shall only be considered for registration of aluminum based Sprinkler irrigation system.
- 6) The registration of manufacturer with Agriculture Department, Haryana shall be mandatory for registration of supplier for any irrigation system except aluminum based Sprinkler system.
- 7) Authority letter of manufacturer shall be mandatory for registration of supplier for any system. Similarly, the authority letter of BIS specified materials out-sourced from another manufacturer shall also be mandatory.
- 8) Certificate from CIPET/NTH for all major non-BIS components shall be mandatory (latest/one year old).

9) Manufacturer/Supplier shall give the following undertaking on Rs. 100/- Non-Judicial Stamp Paper-

We having our Head Office at..... & branch office at....., applying for the registration as a manufacturer / supplier of UGPL / Sprinkler / Mini-Sprinkler / Drip irrigation system(s) in Haryana State and declare & undertake as under:

- *That we will supply irrigation system, component, products, devices confirming to BIS standards/Specifications laid by the authorities.*
- *That we will provide free 'after sale service' for the next three years w.e.f. date of installation. The warranty of system will be for three years after installation.*
- *That we will supply user manual in local language known by the farmer for the operation of the irrigation system supplied by us in case of Mini-sprinkler and Drip irrigation system.*
- *That we will design and supply effective and proper irrigation system in accordance with the crop spacing and water requirement of the crop in case of Mini-sprinkler and Drip irrigation system.*
- *That performance of the irrigation system shall meet the satisfaction of the concerned farmers.*
- *That we will replace/repair faulty parts free of cost during warranty period of three years.*
- *That we will attend the farmer(s) within 2 weeks of receipt of the complaint.*
- *That we will abide by the Government rules and regulations, terms & conditions and instructions issued by department time to time.*

10) The grace period will be of 2 months for submission of renewed copy of BIS license from the date of expiry, failing which their rates shall automatically stand withheld.

- 11) Registration fee (non-refundable) shall be deposited in shape of Bank Draft in favour of Managing Director, HADA-cum-Director of Agriculture payable at Panchkula as per details given below:

(Amount in Rs.)

Sr. No.	System	Single System	Two Systems	All Systems
1	UGPL	25,000/-	35,000/-	50,000/-
2	Sprinkler	25,000/-		
3	Mini-Sprinkler	25,000/-		
4	Drip	25,000/-		

- 12) The registration fee will be utilized for the purpose of implementation of programme (Admn./Office Expenses), effective management of Transfer of Technology (ToT), Training of staff & farmers, Exposure visits, Workshops / Meetings, Publicity campaign etc.
- 13) Manufacturer / supplier shall furnish the Bank Guarantee separately pledged in favour of Managing Director, HADA-cum- Director of Agriculture and payable at Panchkula as per details as under:

(Rs. in lakh)

Sr. No.	System	Single System	Two Systems	All Systems
1	UGPL	10.00	15.00	25.00
2	Sprinkler	5.00		
3	Mini-Sprinkler	15.00		
4	Drip	15.00		

- 14) The Bank Guarantee shall be valid up to 31.12.2021.
- 15) The Supplier firm shall not be allowed to change the Manufacturer till the date of expiry of Bank Guarantee.
- 16) Manufacturer/Supplier shall be allowed to supply only one brand of product. A certified copy of application/registration of Trade Mark from the competent authority shall be submitted in support of 'Brand Name' for which the offer has been submitted.
- 17) Manufacturer and Supplier shall be allowed to raise the bill.

- 18) The manufacturer shall submit Annual report of the material sold in the State in the month of April every year. In case of supplier, the firm shall submit the Annual report of material sold in the State along with certified copy(s) of the bills of manufacturer during the same period.
- 19) The GST No. should be mentioned in the bill of material raised by the manufacturer / supplier.
- 20) In case the bill of material raised by the supplier, the name of manufacturer and CM/L No. should invariably mentioned in the bill.
- 21) The registered firm shall be bound to supply the material as per BIS specifications. CM/L No., Batch No./Lot No., Manufacturer's name etc. should be engraved on Aluminum pipes & accessories and embossed on HDPE/PVC/LLDPE pipes as per norms of BIS specifications.
- 22) The rates for pipes and accessories quoted by the manufacturer / supplier shall be excluding the GST.
- 23) If any registered firm quotes / charges lesser rates in any other government department / organization / agency in the State, the same shall be intimated to the Directorate of Agriculture and Farmers Welfare, Haryana immediately for rectification of rates.
- 24) Random samples of HDPE/PVC/LLDPE Pipes shall be drawn as per the procedure given here-in-below:
 - a) Sample will be drawn by an officer/team of officers deputed by the Director of Agriculture in the presence of representative of the firm.
 - b) 4 pieces of HDPE pipes of 1m length, 4 pieces of PVC Pipe of 1.5 m length and 5 m length LLDPE will be taken for quality testing for UGPL/ Portable Sprinkler/Mini-sprinkler/Drip irrigation systems.
 - c) Material taken for the sample will be replaced to the farmer by the concerned firm within 7 days from the date of drawl of sample.

- d) Sealed Sample will contain Sampling Performa duly filled viz., name of firm with complete address, contact No./Fax No./Email, Sample Code No., CM/L No, Batch/Lot No. and Trade Mark etc.
 - e) Sample drawn will be sent to the Testing Laboratory approved by the GoI.
 - f) Prescribed fee of Testing Laboratory will be borne by the registered firm and will be deposited in shape of a Bank Draft in favour of the Managing Director, HADA-cum- Director Agriculture, payable at Panchkula.
- 25) In case of mini-sprinkler and drip irrigation system, the manufacturer shall appoint an Agronomist for agronomical support to the farmers. The manufacturer shall provide the name, address, and contact no. of such Agronomist to the Directorate of Agriculture as well as Field offices of the Department. Such Agronomist shall also monitor the system/ attend the farmers who have procured the system through its supplier.
- 26) All the firms registered for supply of Mini-sprinkler/Drip irrigation system shall demonstrate the technology at the field of any farmer in any district, at least once during the registration tenure. The firm shall also organize training camps for farmers twice in a year for popularization and motivation of farmers for adoption of micro-irrigation systems.
- 27) The performance of the registered firm shall be assessed every year on the basis of total area covered, services rendered, & performance of the system installed etc.
- 28) Applications received after due date will not be considered in any case. However, in case of deficient documents such as copy of BIS license(s)/test certificate(s), the firm shall only be considered for registration after submission of complete documents.
- 29) No application shall be entertained for new registration in the mid of any financial year. However, new firm(s) can apply for registration during the months of January and February (2018 and 2019) and shall be considered for registration i.e. up to 31.03.2020.

- 30) The registration of firms shall be valid up to 31.03.2020.
- 31) All agricultural crops shall be covered under Micro-irrigation programme.
- 32) The reasonability/revision of rates shall only be considered on the basis of more than 5% hike or decline in the rates of raw material every year.
- 33) The Director General Agriculture, Haryana reserves the right to accept or reject any or all the application(s) / quotation(s) without assigning any reason thereof.
- 34) Civil Courts in Haryana, within whose jurisdiction any particular system pertains to and which is a point of dispute, shall have jurisdiction in the matter.
- 35) The Director / Director General of Agriculture will be competent authority for suspension of registration, blacklisting and / or invoking of bank guarantee of any firm in the following conditions:
 - (a) If any registered firm violates any condition of the registration;
 - (b) If any registered firm found indulge in unfair means or activities;
 - (c) Non-submission of renewed copy of BIS license with in the stipulated time.
 - (d) If any registered firm fails to intimate regarding charging/quoting of lesser rates in any other government department / organization / agency in the State.
 - (e) In the event of supply of non-standard material against BIS specified items, submission of false documents, short supply of material against the bill, indulging in any fraudulent activity, not attending to the complaints of farmer, non-cooperation in sampling process etc.

It is made clear that it is not a government purchase. The interested manufacturers / suppliers may submit the application On-line on the website www.agriharyanaofwm.com on or before 25.09.2017 up to 5.00 PM. The negotiation of rates quoted by the firm shall be carried out on 26.09.2017 at 11.00 AM in the Conference Hall, Directorate of Agriculture and Farmers Welfare, Krishi Bhawan, Sector-21, Panchkula in the presence of manufacturers / suppliers. The applicant firms are directed to submit the Registration Fee (DD), Bank Guarantee (original)

and self attested hard copies of other requisite documents required for registration of a particular system(s) in a separate file on 26.09.2017, otherwise the firm shall not be treated as eligible for registration.