

**GOVERNMENT OF MIZORAM  
HORTICULTURE DEPARTMENT  
MIZORAM:AIZAWL**

**TENDER NOTICE**

**No.B.17013/24/2020-HORT(PMKSY):** On behalf of the Governor of Mizoram, Sealed tender is hereby invited by the Secretary, Horticulture Department, Govt. of Mizoram, from the Manufacturer/ Authorized Dealer/ Agent for supply and installation of Drip Irrigation & Sprinkler Systems under Micro Irrigation (PMKSY) Per Drop More Crop, 2020-2021. Last date for submission of tender is fixed on dt **28.10.2021** upto **1:00** Pm and will be opened on the same day at **2:00** Pm at the Committee Room, Directorate of Horticulture, Aizawl.

The sealed tender should be dropped in the tender box placed in the PA room of Director of Horticulture at Directorate of Horticulture, Aizawl. Details can be obtained from the PMKSY Section, Director of Horticulture during Office hours on all working days and the same may be downloaded from the Department website [www.horticulture.mizoram.gov.in](http://www.horticulture.mizoram.gov.in).

**Sd/- J.C. RAMTHANGA**

Addl. Chief Secretary to the Govt. of Mizoram  
Horticulture Department

**Memo No.B.17013/24/2020-HORT(PMKSY) : Dated Aizawl, the 24<sup>th</sup> September, 2021**  
**Copy to:-**

1. P.S to the Hon'ble Chief Minister i/c, Horticulture Department for favour of kind information and necessary action.
2. P.S to Addl. Chief Secretary, Horticulture Department for favour of kind information and necessary action.
3. Director, Horticulture Department for information and necessary action.
4. Director, I&PR, Mizoram, Aizawl for information with a request to publish the Tender Notice in 3 (three) Local Daily Newspapers for 3 (three) consecutive days. 20 spare copies are hereby attached. He is requested to refer the bills to the Director of Horticulture, Govt. of Mizoram for payment after duly certified.
5. Chief Informatics Officer, ICT Department, Mizoram Aizawl with a request to upload in the Government Website.
6. Guard File

  
**(LALNUNPUI RALTE)**

Under Secretary to the Govt. of Mizoram  
Horticulture Department.

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**TERMS AND CONDITIONS FOR SUPPLY OF DRIP AND SPRINKLER  
IRRIGATION UNDER PMKSY-PDMC, 2020-2021**

1. Tender should be submitted in **Two Envelopes System** clearly mentioning Name of Items, Bidders Name and Address on both envelopes. Envelopes must be marked as **“Technical Bid”** or **“Financial Bid”** as the case may be. Then, both envelopes are to be put in sealed envelop superscripted as below:  
**“Quotation for Supply & Installation of Drip and Sprinkler Irrigation under PMKSY-PDMC 2020-2021”**
2. The sealed quotation should be addressed to:  
Director of Horticulture  
Mizoram, Aizawl.
3. The firms/ tenderers should be authorized distributor/ dealer/ agent of the manufacturing company of Drip/Sprinkler Irrigation systems and spare parts tendered for and this should be supported by photocopy of valid certificates duly attested.
4. Technical specifications: The different units/parts/components under drip and sprinkle irrigation should conform to BIS standards and supporting documents should be enclosed.
5. The materials supplied should conform to BIS standard and supporting documents should be enclosed.
6. Tender must be accompanied by manufacturing company brochure and samples of Drip/ Sprinkler Irrigation systems which should be submitted at the time of opening the tender.
7. The firm/ company should have valid GST Provisional ID which must be supported by relevant document (s).
8. Firm should have experience in the field of micro-irrigation particularly under the same topographical conditions of Mizoram. Experiences must be proved by relevant documents.
9. The fund available for Drip/ Sprinkler irrigation under the scheme Micro-Irrigation under PMKSY-PDMC is Rs 833.33 lakhs only.
10. The “Financial Bid” should be accompanied by Earnest Money of 2.5% of quoted amount in the form of bank draft/ banker cheque duly pledged in favour of Director of Horticulture, Government of Mizoram, Aizawl. Release of the same may be done as per rule by the Department after finalizing of tender.
11. Rates of Drip/ Sprinkler Irrigation systems and spare parts/ items as indicated in the Bills of Quantity (BOQ) inclusive of all taxes, other charges, etc. F.O.R. destination should be quoted clearly and initialled by the quotationer (s) with date. Any overwriting should be clearly initialled by the quotationer (s) with date by the tenderer.



12. Successful tenderer, if awarded supply order must inform the Department of his/ her details, i.e., Name of Suppliers, Bank Account Number, Name of Bank, Name of Bank Branch IFSC Code and Contact Number and any other information deemed necessary by the Department.
13. Successful tenderer, if awarded Supply Order should submit Performance Security of amount permissible as per rule (Exact amount shall be specified in the supply order).
14. The performance Security will be liable to be forfeited if the successful tenders withdraws or amend impairs or derogates from the tender in any respect. The Performance Security may be released only after expiry of given period provided the materials are delivered with full satisfaction.
15. The Department reserves the right to accept/ reject any tenders without assigning any reason thereof and is not bound to accept the lowest rate.
16. The Department does not bestow upon the successful quotationer the right for supply of the total requirement of Drip/ Sprinkler Irrigation System.
17. No advance payment will be made on the supply of Drip/ Sprinkler Irrigation System.
18. Non Compliance of any of the Tender Terms and Conditions will summarily result in rejection of the tender.
19. In the event that any dispute or differences arises between two or more bidding firms, the Department will have no involvement whatsoever. However, in case of dispute or differences by a firm (s) against the Department, the matter maybe allotted through mutual and amicable discussions. Only if such differences cannot be resolved through dialogue, the matter may then be resolved through the court of law of the State of Mizoram jurisdiction only.

### Proforma for Submission of Quotation

To,

The Additional Chief Secretary to the Govt. of Mizoram  
Horticulture Department,  
Mizoram, Aizawl.

Subj: Submission of quotation against Tender No. ....

Dated .....

Madam,

I/We have carefully examined and read the Notice Inviting TENDER, TENDER documents and all other documents attached regarding TENDER No.

..... dated ..... I/We hereby express my/ our interest for supply and installation of Drip/Sprinkler Irrigation system f.o.r destination under the scheme Micro Irrigation under PMKSY - PDMC (2020-2021) according to the terms and conditions mentioned therein.

I/We enclose herewith Earnest Money Deposit of ..... (Amount) in the form ..... from ..... (Name of Bank) in your favour.

I/We certify that I/We have carefully read each and every terms and condition and Technical Specifications given in this TENDER Documents and under stood the same, and I/We confirm our acceptance of the same.

I/We further certify that I have suppressed no fact in the TENDER which could debar me to participate into the TENDER. If it is revealed after opening of the tender that any fact is suppressed by me, tendering authority shall have the right to reject my TENDER.

I/We hereby also declare that I am not blacklisted by any Department / Agency of Central or State regarding quality compromise or any other reason in connection with similar work and there is no ongoing litigation with any Department / Agency of Central / State Government as on closing date of tender. If subsequently it is revealed after opening of TENDER / concerned agreement will be cancelled, deposited earnest / security money will be forfeited and other penalty to be decided by the TENDER authority will be imposed.

Dated: .....

Place: .....

Signature of Bidder: .....

Full Name of Bidder: .....

Seal: .....

**TENDER FORM – I**  
**“Technical Bid”**

**TENDER FOR SUPPLY AND INSTALLATION OF DRIP SPRINKLER**  
**IRRIGATION UNIT UNDER PMKSY-PDMC 2020-2021**

1. Name of Tenderer : .....
2. Address of Tenderer : .....
3. Contact No. : .....
4. E-mail ID : .....
5. Name of Manufacturer : .....
6. Detail address of : .....  
Manufacturer
7. Website of Manufacturer : .....
8. Local Agent / Office at Aizawl : .....  
(for Tenderer from outside Aizawl only)
9. Authorization / Dealership Certificate from : Yes/ No  
Manufacturing Company (enclosed)
10. Does different units/ parts/ components conform : Yes/ No  
to BIS standard
11. Agreed to supply all the required materials as per : Yes /No  
Bills of Quantity
12. Brochure of the company (enclosed) : Yes/ No
13. GST Provisional ID enclosed : Yes / No
14. Experience enclosed : Yes/ No
15. Sample : Yes/no

Dated : .....

Signature .....

Date with Seal.....



**TENDER FORM – II**  
**(Financial Bid)**

**TENDER FOR SUPPLY AND INSTALLATION OF DRIP SPRINKLER**  
**IRRIGATION UNIT UNDER PMKSY-PDMC 2020-2021**

1. Name & address of Tenderer : .....
2. Name & address of Principal : .....
- Manufacturers from which Dealership is : .....
- Awarded : .....
3. Contact No. : .....
4. email Id : .....
5. Tribal Certificate (if relevant) : Yes/No
6. EMD in the form of Demand draft/ : Yes/No
- Banker's Cheque
7. Amount of EMD enclosed : Rs .....
8. Quotation of rates:

**I. 1. Drip Irrigation system- Spacing 2m x 2m for 1.0 ha**

Sl. No.	Spacing	Quoted rate of each items in the BOQ/ Ha f.o.r destination	
		In figure	In words
2.	2m x2m	Rs. ....	Rs. ....

**Bill of Quantities**

Sl. No.	Component Lateral to lateral x Dripper spacing (m x m)	Unit	Quantity/ha (2m x 2m)	Per unit Rate (Rs)	Total amount (Rs)
1					
2	HDPE Pipe 50mm; 6kg/cm <sup>2</sup>	m	172		
3	HDPE Pipe 63mm; 4g/cm <sup>2</sup>	m	60		
4	Lateral 16mm Class II, 2.5kg/cm <sup>2</sup>	m	5050		
5	Pressure Compensating Emitter 2/4/8 l ph	No.	5050		
6	Control Valve * 40 mm	No.	7		
7	Control Valve * 50 mm	No.	3		
8	Flush Valve 50 mm	No.	1		
9	Air Release Valve 1"	No.	1		
10	Non Return Valve 1.5"	No.	1		
11	Throttle Valve 1.5"	No.	1		
12	Screen Filter 10 m <sup>3</sup> /hr	No.	1		
13	By-pass Assembly-1.5"	No.	1		
14	Venturi & Manifold 1.5"	No.	1		
15	Fittings & Accessories	5%	5%		

Signature of Tenderer

## 2. Drip Irrigation system- Spacing 4m x 4m for 1.0 ha

Sl.No.	Spacing	Quoted rate of each items in the BOQ/ Ha f.o.r destination	
		In figure	In words
1.	4m x 4m	Rs. ....	Rs. ....

### Bill of Quantities

Sl. No.	Component Lateral to lateral x Dripper spacing (m x m)	Unit	Quantity/ha (4m x 4m)	Per unit Rate (Rs)	Total Amount (Rs)
1	HDPE Pipe 50mm; 6kg/cm <sup>2</sup>	m	172		
2	Lateral 12mm	m	2500		
3	Pressure Compensating Emitter 2/4/8 l ph	No.	1275		
4	Control Valve * 50 mm	No.	10		
5	Flush Valve 63 mm	No.	1		
6	Air Release Valve 1"	No.	1		
7	Non Return Valve 1.5"	No.	1		
8	Throttle Valve 1.5"	No.	1		
9	Screen Filter 10 m <sup>3</sup> /hr	No.	1		
10	By-pass Assembly-2"	No.	1		
11	Venturi & Manifold 2"	No.	1		
12	Fittings & Accessories	5%	5%		

## 3. Drip Irrigation system - Spacing 1.2m x 0.6m for 1.0 ha

Sl. No.	Spacing	Quoted rate of each items in the BOQ /Ha f.o.r destination	
		In figure	In words
4.	1.2m x 0.6m	Rs. ....	Rs. ....

### Bill of Quantities

Sl. No.	Component Lateral to lateral x Dripper spacing (m x m)	Unit	Qty/Ha (1.2m x 0.6m)	Per unit Rate (Rs)	Total amount (Rs)
1	HDPE Pipe 63mm; 4g/cm <sup>2</sup>	m	118		
2	HDPE Pipe 75mm; 4g/cm <sup>2</sup>	m	62		
3	Lateral 16mm Class II, 2.5kg/cm <sup>2</sup>	m	125		
4	Emitting Pipe 16mm Class II; (0.2-0.3 m x 1 to 2-4 lph) 30cm	m	8717		
5	Control Valve * 50 mm	No.	4		
6	Control Valve * 63mm	No.	1		
7	Control Valve * 75 mm	No.	1		
8	Flush Valve 50 mm	No.	4		
9	Flush Valve 63 mm	No.	1		
10	Air Release Valve 1"	No.	1		
11	Non Return Valve 1.5"	No.	1		
12	Throttle Valve 1.5"	No.	1		
13	Screen Filter 10 m <sup>3</sup> /hr	No.	1		
14	By-pass Assembly-1.5"	No.	1		
15	Venturi & Manifold 1.5"	No.	1		
16	Fittings & Accessories	5%	5%		

Signature of Tenderer



## 4. Drip Irrigation system- Spacing 1.2m x 0.6m for 0.4 ha

Sl. No.	Spacing	Quoted rate of each items in the BOQ/ 0.4Ha f.o.r destination	
		In figure	In words
3.	1.2m x 0.6m	Rs.....	Rs. ....

## Bill of Quantities

Sl. No.	Component Lateral to lateral x Dripper spacing (m x m)	Unit	Quantity/0.4ha (1.2m x 0.6m)	Per unit Rate (Rs)	Total amount (Rs)
1	HDPE Pipe 50mm; 6 kg/cm <sup>2</sup>	m	104		
2	Lateral 16mm Class II, 2.5kg/cm <sup>2</sup>	m	79		
3	Emitting Pipe 16mm Class II; (0.2-0.3 m x 1 to 2-4 l ph) 30cm	m	3367		
4	Control Valve * 50 mm	No.	4		
5	Flush Valve 50 mm	No.	4		
6	Air Release Valve 1"	No.	1		
7	Non Return Valve 1.5"	No.	1		
8	Throttle Valve 1.5"	No.	1		
9	Screen Filter 10 m <sup>3</sup> /hr	No.	1		
10	By-pass Assembly-1.5"	No.	1		
11	Venturi & Manifold 1.5"	No.	1		
12	Fittings & Accessories	5%	5%		

## II. Sprinkler Irrigation System

## 1. Mini Sprinkler Irrigation Systems: Spacing 8m x 8m, Area: 1Ha.

Sl. No.	Spacing	Quoted rate of all items in the BOQ / Ha f.o.r destination	
		In figure	In words
1.	8m x 8m	Rs.....	Rs .....

## Bill of Quantities

Sl. No.	Components/ Area (Ha)	unit	8m x 8m	Per unit Rate (Rs)	Total Amount (Rs)
			Qty/Ha		
1	PVC Pipe 75 mm, class II; 4 kg/cm <sup>2</sup>	m	60		
2	PVC Pipe 63 mm, class II; 4 kg/cm <sup>2</sup>	m	110		
3	32 mm LLDPE plain laterals, 4 kg/cm <sup>2</sup> -Class II	m	1250		
4	Mini Sprinkler Head/ Nozzle	No.	156		
5	M S Riser Rod 8mm & assembly	No.	156		
6	Control Valve 75 mm	No.	1		
7	Control Valve 63 mm	No.	1		
8	Control Valve 50 mm	No.	24		
9	Flush Valve 75 mm	No.	1		
10	Air release Valve-1"	No.	1		
11	Non Return Valve – 2.5"	No.	1		
12	Throttle Valve-2.5"	No.	1		
13	Screen Filter 20/25 m <sup>3</sup> /hr	No.	1		
14	By-pass Assembly – 1.5" x 1.5"	No.	1		
15	Venturi & manifold – 2"	No.	1		
16	Fittings & Accessories @ 5%	5%	5%		

Signature of Tenderer



2. Large Volume Sprinkler Irrigation Systems (Rain gun): using coupler 63mm , Area- 1Ha.

Sl. No.	Coupler	Quoted rate of all items in the BOQ / Ha f.o.r destination	
		In figure	In words
1.	63mm	Rs.....	Rs .....

Bill of Quantities

Sl. No.	Components/ Area (Ha)	Qty/Ha	Unit	Per unit Rate (Rs)	Total Amount (Rs)
1	HDPE Pipes with Quick coupled (Pipe of Class 2; 3.2 kg/cm <sup>2</sup> IS: 14151 Part II 63 mm diameter & 6m long)	30	m		
2	Raingun Sprinkler 1.25" female threaded connection	1	No.		
3	Tripod Stand with adapter to feeder line 1.25" x 1.5m	1	No.		
4	Quick coupled HDPE Bend with Coupler 900 (63/50 mm)	1	No.		
5	Quick coupled HDPE Pump Connecting Nipple 63 mm ;	1	No.		
6	Quick coupled HDPE End Plug (63 mm) ;	1	No.		
7	Quick coupled HDPE Tee with Coupler (63mm) ;	1	No.		
8	Screen filter 20/25 m <sup>3</sup> /hr	1	No.		
9	By-pass Assembly – 2" x 1.5"	1	No.		

Signature of Tenderer