



**INDIAN INSTITUTE OF TECHNOLOGY, KANPUR**  
**GT ROAD, KALYANPUR, KANPUR – 208016**  
**UTTAR PRADESH, INDIA**

**TENDER REFERENCE NO. : IITK/ME/NSV/2019/001**

**BID SUBMISSION END DATE- 29.11.2019**

**TENDER DOCUMENTS**

**FOR**

**“Purchase of Assembled System Including Pump and Control Circuit”**

## **BID DOCUMENT**

Bids (Technical & Financial) from eligible bidders which are valid for a period of 120 days from the date of Technical Bid opening (i.e. 10.12.2019) are invited for and on behalf of the Assistant Registrar, IIT Kanpur for **“Purchase of Assembled system including pump and control circuit”**.

Name of Work	Purchase of Assembled system including pump and control circuit
<b>Date of Publishing</b>	29.11.2019 (17:30 hrs)
Clarification Start Date and Time	29.11.2019(17:30 hrs)
Clarification End Date and Time	09.12.2019(16:00 hrs)
Queries (if any)	No queries will be entertained after clarification end date and time
<b>Bid Submission Start Date</b>	29.11.2019(17:30 hrs)
Last Date and time of uploading of Bids	09.12.2019 (16.00 hrs)
Last Date and time of <b>submitting</b> , EMD and other documents at IIT Kanpur (if any)	
Date and time of opening	10.12.2019(16:00 hrs)

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <http://eprocure.gov.in/eprocure/app>

**(The bids have to be submitted online in electronic form on [www.eprocure.gov.in](http://www.eprocure.gov.in) only. No physical bids will be accepted.)**

## Tender document

Department of Mechanical Engineering  
Indian Institute of Technology Kanpur  
Kanpur (UP) 208016 India

Enquiry date: November 29, 2019

Enquiry No: IITK/ME/NVS/2019/001

Sealed quotations are invited for **Assembled system including pump and control circuit.**

Prof. N. S. Vyas  
Department of Mechanical Engineering  
Indian Institute of Technology Kanpur  
Kanpur 208 016, India

<b>SPECIFICATIONS (SWTLabo)</b>	
Module Specification	
Average Power Requirements	0.03kW, (0.5 –2.5 VDC)
System Dimensions (L x W x H)	0,4 x 0,35 x 0,4 m
Power Output to Modules	0 - 20 A / 0 - 2 VDC
Module Weight*	15 kg
Feed Inlet Coupling	15 mm PEX push connector (Straight)
Product Outlet Coupling	15 mm PEX push connector (Straight)
Concentrate/Waste Outlet Coupling	15 mm PEX push connector (Straight)
Operational Requirements	
Water Feed Pressure	1–4bar (15 -60psi)
Water Pressure Produced	1 bar (15 psi)
Operating Ambient Air Temperature	< 35 °C (< 95 °F)
In/Out Puts	
Start/Stop	User Interface enabled
Performance	
Feed water salinity	Max.2000 ppm (2 g/L)
Water Recovery**	Programmable
Salt removal capacity*	Programmable (20 % - 95%)

Power consumption**	Approx. 1.5 kWh/m <sup>3</sup> of water
Water flow rate***	Max. 10 L/minute
Control	Software program on MCU (User Interface)

\* Dry weight

\*\* Depends on TDS reduction and feed water salinity

\*\*\* Depends on production capacity

**Terms and Conditions:**

1. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
2. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
3. TENDER Specific Manufacturer Authorization Form from OEM Required.
4. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
5. Prices should be clearly mentioned.