

### **BID DOCUMENT**

The Indian Institute of Technology Kanpur ("the IITK") invites Bids ("Bids") from eligible, qualified and capable companies for the supply and delivery of "the Goods" and provision of associated services ("Associated Services") according to the requirements as defined in the Tender document.

<b>Bid Opening Date</b>	05.07.2023
<b>Bid End Date</b>	11.07.2023 (4:00 PM)
<b>Bid Opening Date</b>	11.07.2023 (4:30 PM)
<b>Bid Life Cycle (From Publish Date)</b>	90 Days
<b>Bid Offer Validity (From End Date)</b>	65 Days
<b>Office Name</b>	DOSA Office
<b>Total Quantity</b>	<b>04 (250 ltr each)</b>
<b>Item Category</b>	Potable water purification system reverse osmosis & UV based, Storage water tank, RO foundation and shed, Interconnecting plumbing
<b>Minimum Average Annual Turnover of the Bidder</b>	5 Lakh (s)
<b>OEM Average Turnover (Last 3 Years)</b>	20 Lakh (s)
<b>Year of Past Experience required</b>	3 Year (s)
<b>MSE exemption for years of experience and turnover</b>	Yes
<b>Startup exemption for years of experience and turnover</b>	Yes
<b>Document required from Seller</b>	Experience Criteria, Past performance, bidder turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover. (In case any bidder is seeking exemption from experience/Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer).
<b>Estimated Bid Value</b>	Rs.5,00,000/- (Approx.)
<b>Evaluation Method</b>	Total value wise evaluation
<b>Place of Delivery</b>	Hall-14, IIT Kanpur
<b>Delivery Period</b>	One Week
<b>Guarantee</b>	2 Years with CMC
<b>Service</b>	Emergency service within 2 hrs.

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## Tender Document

Central Store & Purchase  
Indian Institute of Technology Kanpur  
Kanpur (UP) 208016 India

Enquiry No: IITK/DOSA/2023-24/02

Enquiry date: 05.07.2023

**Product: Potable water purification system reverse osmosis & UV based**

**Qty required: 4 (250 Ltr. Each)**

Sealed quotations are invited for the purchase of the above items in the two bid system. Both Technical bid and financial bid in separate envelopes must be kept in a big envelope which must be superscribed by Tender Reference number, Item Description and bid submission end date. The sealed copy of bids must reach the above designated address on or before the Bid Submission End Date & Time.

- 1. Technical Bid:** Technical bid must contains a signed and sealed copy of tender document as an acceptance of conditions, brief detail, model of RO and other specifications and documents mentioned in tender documents.
- 2. Financial Bid:** Financial bid must contained details of price quoted, GST, price on FOR basis on firm letter head with signature and seal of authorized person.

### 1. Specifications of Potable water purification system reverse osmosis & UV based

Specification	Specification Name	Bid Requirement (Allowed Values)
<b>Standards</b>	Certification for the product	NA
	Manufacturers Quality System Certification	URS-UKAS-9001-2000
	Manufacturers Environment Management System Certifications	NA
	Manufacturers Health and safety Management System Certification	Na
<b>Performance Parameters</b>	Maximum Input Water TDS allowed to the system	1000
	Type of water purification technology	RO+UV
	Operation	Fully automatic with auto cut off
	Ultraviolet (UV) Lamp	Yes
	Conformity to Standard for Ultraviolet system	IS 14724 (latest) for water purification system with Ultraviolet disinfection
	Recovery at 27 degree centigrade	50-60
	Filtration capacity in liter/hour	250
	Provision of Arsenic removal	Yes
	Provision of fluoride removal	Yes
	Provision of Chloride removal	Yes
	Alkaline filter	No
	Storage Tank	500 Ltr.
	Type of output water storage tank	NA
	Storage tank capacity ( storage tank external for higher capacity if required to be arranged by buyer)	NA
	Minimum inlet pressure	0.3 KG/CM2
Maximum inlet temperature	35 Degree	
Digital display	Yes	
Real time TDS display	Yes	

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5/10/23

	Real Time PH display	No
	High Pressure Pump	Yes
	Raw water/chemical cleaning pump	Yes
	Micron Filter	Yes
	Total dissolved solids removal percentage from RO membrane	90%
	Particulate filter porosity	5 Micron
	Pressure vessel sand filter	Yes
	Pressure vessel carbon filter	Yes
	Pressure vessel dual media filter	Yes
	Membrane Housing	Yes
	Body of Filter	FRP
	Auto cut	Yes
	Number of candles	2
	Power Supply	230 Volt single phase
	Installation type	Floor mounted
<b>Miscellaneous Parameters</b>	Warranty in year including replacement of filters sediment & carbon twice in a year	1
	Warranty in year free replacement of machine	1
	Antiscalant- Where silica is up to 10ppm/where Mica is up to 100 ppm	Yes
	Availability of type test, Test report for filtration size of micron particles	NA
	Availability of test report from Govt./NABL/Ilac Lab (Design evaluation report as per IS:14724	NA
	Availability of Toll Free centers for customer support	Yes
	Installation & commissioning inclusive in the scope of supply	Yes
	Availability of NABL accredited laboratory facility with OEM	NA
	Intel pipe & fitting from raw water sources to water purification system	Suitable pipe & fitting to be provided by seller up to 15 feet
	Pipe & fitting from Out let to purified water tank	To be arranged by seller up to 15 feet

## 2. Storage Water Tanks

Sl. No.	Item	Specification	Quantity	Remark
1	PVC water tank	250 ltrs	3	
2	PVC water tank	125 ltrs	3	
3	Stainless steel water tank	125 ltrs	3	

3. The bidder must visit the site where RO system would be installed and visit of bidder shall be considered at the time of comparison of technical specification of bidders.

The bid should be addressed to:

Assistant Registrar  
Hall Management, DOSA Office  
Indian Institute of Technology Kanpur  
Kanpur - 208 016

*Prady 5/6/13*

## Terms and Conditions

1. Price quoted should be separately mentioned (Basic Rate & GST). (As per BOQ)
2. Quotations must be valid for 90 days.
3. Delivery at Halls, IIT-Kanpur.
4. All prices should be *F.O.R IIT-Kanpur*.
5. Payment terms will be 90% against delivery and balance 10% will be released after <sup>installation</sup> and performance assurance but not after 30 days.

## Pre-Requisite Qualifications

1. The bidder's company should have an experience of 3 years in the installation and dealing of RO systems.
2. Availability of service centers: OEM/Bidder must have a functional service center nearby District to consignee's location. Preferably at Kanpur, so that bidder may attend machine within two hours in case of any failure (it is essential as it will be installed in hostel)
3. The service center, nearby District to consignee's location (preferably at Kanpur), must have been established for at least 3 years.
4. Bidder/OEM must deploy the dedicated manpower at consignee's location.
5. Dedicated contact no. (Telephone or mobile) for service support: bidder/OEM must have dedicated telephone no. / Mobile no. & email address for service support.
6. Escalation matrix for service support: bidder/OEM must provide escalation matrix of telephone numbers for service support.
7. Upload manufacturer authorization: wherever authorized distributors are submitting the bid, bid specific manufacturer's authorization form (MAF)/certificate with OEM details such as name, designation, address, email id and phone no. required to be furnished along with the bid.
8. Bidder must have installed 5 machines of same or higher capacity in reputed organizations like hostels, educational institute, hospital, etc. within 3 years. Bidder should upload successful operations certificates of these machines with technical bid.
9. The delivery and installation time should be clearly mentioned. Shorter delivery and installation time preferable within one week may be given a preference.
10. Free installation and demonstration at buyer's site by the principal technical team.
11. The bidder must visit the site where RO systems would be installed. And visit of bidder shall be considered at the time of comparison of technical specification of bidders.
12. Bidder's offer is liable to be rejected if they don't submit any of the certificates / documents sought in the bid document, Additional Terms and Condition and corrigendum if any.
13. In technical evaluation, institute reserves the right to verify the technical specifications through various sources including the submitted brochure, company website etc. Inconsistency or ambiguity in information may lead to disqualification. Recommendations from previous buyers can also be taken into consideration. In case of any negative feedback from any existing user, institute reserves the right to summarily reject the bid without any further clarification.
14. Only two representatives are allowed to attend to present at the time of bid opening.

---Thank You---

*Praveen Kumar*