

**POST GRADUATE DEPARTMENT OF BOTANY, UNIVERSITY OF
JAMMU, JAMMU**

**NO: JU/BOT/19-20/1314
DATED: 03/02/2020**

KIND ATTENTION:

EMD and Tender fees paid by bidders who have participated against tender reference number NO: JU/Bot/19/989 for the purchase of WATER PURIFICATION SYSTEM has been sent back by registered post. Therefore to participate in this fresh tender for the purchase of water purification system, bidders need to submit/send by registered post/courier EMD afresh in hard copy along with technical specifications to the Head, Department of Botany, University of Jammu on or before 28-02-2020 by 5 PM.

WATER PURIFICATION SYSTEM

TECHNICAL SPECIFICATIONS

Water Purification System capable of producing type I (18.2 Mega ohm Resistivity) and Type III or better with Pretreatment cartridge, Reverse Osmosis, polishing cartridge and 0.22micron final filter. The system is capable of feed water acceptance up to 2000 micro Siemens conductivity, Fouling Index (SDI) < 12, Total Chlorine < 3 ppm.

PREFILTRATION	* 1 Stage pretreatment system
	* 5 micron wrapped type depth filter
Purification	* Pretreatment cartridge with anti scaling compound , activated carbon
	* Pump with unique temperature feedback mechanism.
	* High flux Thin film composite polyamide RO membrane with 94- 99% rejection.
	* Permeate divert valve which will divert low quality product water to the drain.
	* Coaxial resistivity cell with a flow through design and a cell constant of 0.01cm^{-1}
	* Display both compensated and non-compensated temperature accurate within $\pm 0.1^{\circ}\text{C}$.
	* Type III Water flow rate @ 3 Liters /hr.
	* Single cartridge will produce (Type 1 + Type 3 Water) Pure and Ultra-pure Water.
Storage	* An inbuilt reservoir with 6.5 liter capacity
Polishing	
	* Two stage Polishing cartridge with mixed bed ion exchange resin and activated carbon.
	* Co axial resistivity cell to measure the resistivity of the final product water.
	* Final product water is dispensed from 0.22 Micron final filter to produce bacteria free water
	* Colorful graphical display to show the water parameters like resistivity, temperature & alarms.

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Product water specifications (Type III) Deionized water:

Ionic Rejection..... > 94%
Organic Rejection..... > 99%
Flow rate 3 Liters /hr

Product Water specifications (Type I) Ultra pure Water :

Resistivity..... 18.2 Mega Ohms
TOC < 5-10 ppb
Bacteria..... < 1 cfu /ml.
Particulate..... < 1 /ml.
Endotoxin..... < 0.001EU/ml
RNase..... < 0.03ng/ml
DNase..... < 4pg/ μ l
Flow rate > 0.5 Liters / min.

Separate Final Filter:

Separate Final Filters should be provided for the following:

HPLC Grade Water (0.45u)

RNASE and DNASE free water (0.2u)

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Terms and Conditions:

- 1.** Tenders should be addressed to, “**Head of the Department, Department of Botany, Baba Saheb Ambdekar Road, New University Campus, University of Jammu, Jammu 180 006**”, should be submitted online only (<https://www.jktenders.gov.in/>).
- 2.** Delivery of goods should be FOR Department of Botany, University of Jammu, Jammu.
- 3.** General Sale tax/custom duty/excise/entry tax or any other tax, if any, should be clearly mentioned. Rates should be inclusive of custom clearance, insurance etc. It may kindly be noted that University of Jammu will not bear any cost/expenditure arising out of loss during transportation etc. Cost of equipment should include transportation charges and insurance charges upto FOR destination. University of Jammu is exempted from Custom Duty under DSIR registration. DSIR certificate shall be provided by the University of Jammu.
- 4.** Firm shall be required to submit the End of Life of product. It shall be responsibility of the supplying firm/manufacturing firm to collect condemned instruments/its salvage whenever it is declared unserviceable/obsolete/end of life/beyond economic repair etc. Firm shall be required to submit EPR authorization issued by CPCB.
- 5.** Firm shall be required to submit complete information/brochure/catalogue along with the offer.
- 6.** Firm should submit an authorization certificate from principal firm for sale and service.
- 7.** Concession to educational institutions, if any, should be clearly mentioned.
- 8.** Products conforming to particular standards (ISO, ISI etc.) should be clearly mentioned.
- 9.** In case any item is your proprietary product or if you are sole manufacturer/distributor of requisite item, a certificate to this effect should be enclosed.
- 10.** It is at discretion of the competent authority to reject one/all tenders/part of tender without assigning any reason, thereof.
- 11.** In case seller fails to complete in full, all deliveries of product in accordance with supply order; the seller shall be responsible for the liquidity damages. Thereafter the buyer, will have right to terminate supply order in the case of such delay beyond period mentioned by seller in the offer and buyer will have total discretion to buy product from the market/other supplier at the lowest rate.
- 12.** An undertaking should be submitted by your concern that rates quoted in this offer are lowest/at par with rates quoted to other Govt./Semi-Govt. institution in the country and your concern/firm has not sold your product to any other organization in India at lowest price than the price quoted in this offer.
- 13.** A user list of the institutions/organizations where the quoted equipment has been installed and

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working successfully must be provided.

14. Debarment of the bidding firms shall be governed by Rule No. 151 of GFR 2017; Ministry of Finance, GOI, as mentioned below:

(i) A bidder shall be debarred if he has been convicted of an offence— (a) under the Prevention of Corruption Act, 1988; or (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

(ii) A bidder debarred under sub-section (i) or any successor of the bidder shall not be eligible to participate in a procurement process of any procuring entity for a period not exceeding three years commencing from the date of debarment. Department of Commerce (DGS&D) will maintain such list which will also be displayed on the website of DGS&D as well as Central Public Procurement Portal.

(iii) A procuring entity may debar a bidder or any of its successors, from participating in any procurement process undertaken by it, for a period not exceeding two years, if it determines that the bidder has breached the code of integrity. The Ministry/Department will maintain such list which will also be displayed on their website.

(iv) The bidder shall not be debarred unless such bidder has been given a reasonable opportunity to represent against such debarment

15. All the pages of soft copy of the offer should be endorsed along with the stamp/seal of the firm.

16. It may kindly be noted that in case a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

17. Firm shall be required to submit the EMD/Bid security amounting to 2% of the total estimated cost of the instrument in the form of bank cheque/DD from any of the commercial banks which should remain valid for the period of forty five (45) days from beyond the final date validity period to the **Head, Department of Botany, University of Jammu, Jammu.**

18. Firms which are exempted to submit the EMD/Bid security shall be required to submit certificate issued by the concerned Ministry/Department.

19. Successful bidders shall be required to submit performance security amounting to 10% of the quoted price pledged to the **Head, Department of Botany, University of Jammu, Jammu** in the form of bank guarantee from any of the commercial banks which should remain valid till the warranty stands.

20. Financial bids of only technically qualified tenderers shall be opened. If the Technical Bids are not in order or are deficient in some respect, the commercial bids in respect of such tenders shall not be opened.

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- 21.** Item must be quoted along with the warranty as specified in technical specifications.
- 22.** Technical specifications of the required instruments/equipments/articles are given above.