

Invitation for Bids for Supply of Ultra Pure Water (Molecular Biology Grade) Purification System

Tenders in sealed cover invited for supply and installation of Ultra Pure Water (Molecular Biology Grade) Purification System at Basmati Export Development Foundation (BEDF) Laboratory at the premises of Sardar Vallabh Bhai Patel University of Agriculture and Technology, Modipuram-250110, Meerut, U.P.

The offers with complete technical and financial details (in separate envelopes) may be submitted on or before April 7, 2022 (5.00 pm) to Director (BEDF), Basmati Export Development Foundation, (APEDA, Ministry of Commerce, Govt. of India), 4th Floor, NCUI Auditorium Building, 3 Siri Institutional Area, August Kranti Marg, Hauzkhas, New Delhi-110016

Technical specifications and other details can be downloaded from APEDA website: www.apeda.gov.in

Technical Specifications for Ultrapure Water Purification System (Molecular Biology Grade)

Specifications
The system should have two separates constitute of water purification to produce Type II and Type I water from available tap Water.
Single compact Prefiltration system with 1- & 5-micron depth filter and pump
Main Water Purification System should be able to take care of conductivity < 2000 μ S/cm, TOC < 2000 ppb, SDI as 12, Chlorine < 3 ppm
System should have a single pre-treatment pack which includes Anti Scaling Compounds, Activated Carbon filter and 0.5um filter to remove respectively chlorine, hardness and particles of a feed water.
System has conductivity cell before and after RO membrane to understand feed water conductivity for better monitoring.
RO should have a RO reject recirculation loop for reducing water wastage, and flushing and rinsing facility to enhance life of RO.
System Should have Electro-Deionization (EDI) module to give consistent type II quality water
System should have 50 Ltr. PE Reservoir with a sensor rod level sensor with float switch. Should have provision for complete Sanitization and vent filter made of soda lime to filter air.
Type I system gives assurance of water quality with precise in-line resistivity cell, with a 0.01 cm-1 low cell constant and a 0.1° C sensitive thermistor.
System should have small footprint and flexible installation option like under the bench, on the wall, on bench.
System should have informative display which has Display, Water quality parameters like Resistivity, Temperature, Alerts and Alarms, etc.
System should be CE, UL, ISO, IEC certified
Type II Water Specifications
Resistivity: > 5 M Ω .cm @ 25 degree C
TOC: 30 ppb
Production Rate: minimum 3 ltr./hr.
Type I Water Specifications
Resistivity: 18.2 M Ω .cm @ 25 degree C
Conductivity: 0.054 μ S/cm @ 25 degree C
TOC: <5 ppb
Bacteria: < 0.1 cfu/ml
Flow Rate: 0.5 to 2 Ltr./min

Note: The claim of the technical specifications made by the company should be available on the principle's website/ printed brochure/Manual or certificate from factory (OEM).

Please provide all the relevant document, catalogues/brochures etc. of the above technical specifications and technical compliances (format for Technical Compliances given in Annexure A)

Please send Technical & Financial documents in separate sealed envelopes with Company name, address, email & phone numbers to the following address:

Director
 Basmati Export Development Foundation
 APEDA, Ministry of Commerce, Govt. of India
 4th Floor, NCUI Building
 3, Siri Institutional Area
 August Kranti Marg, New Delhi-110016

Annexure A

Format of Technical Compliance of Specifications

Name of Equipment-----

Sl. No	Name of Specifications / Parts / Accessories of Tender Enquiry	Specifications of Quote Model / Part / Accessory	Compliance Whether Yes or No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical Justification for the Deviation, if any. If specification is superior / inferior than asked for in the enquiry, it should be clearly brought out in the justification	Reference of quoted specification with Page No. in Browser/Relevant Technical Literature
1	Specifications for Instrument					

If the Bidder fails to enclose the compliance statement, his bid is likely to be rejected