



Indira Gandhi Centre for Human Ecology, Environmental & Population Studies
University of Rajasthan, Jaipur-302004

इन्दिरा गांधी मानव पारिस्थितिकी, पर्यावरण एवं जनसंख्या अध्ययन केन्द्र
राजस्थान विश्वविद्यालय, जयपुर - 302004

DIRECTOR
निदेशक

No./IGC/2021/ 2242
दिनांक : 09-12-2021

UBN.No. :- URA 2122 GSO B00113

Notice Inviting Quotations

Sealed quotation with terms and conditions are invited for the purchase of item (from reputed companies/ MNC) mentioned below in Indira Gandhi Centre for HEEPS, University of Rajasthan, Jaipur

Description :	Quantity
Water Purification System	1 No.
Specification:- Feed water acceptance: Single Integrated capable of producing pure water with flow rate upto 15 lit/hr.; and ultra-pure type I water (18.2 mega ohm cm resistivity, up to 1.5L/min) with pretreatment cartridge, reverse osmosis, UV lamp, mixed bed ion exchange resin.	
Conductivity	< 2000 μ S/cm
Fouling Index (SDI)	< 12
Total Chlorine	< 3 ppm
TOC	< 2000 ppb
Type III	
Product water delivery	12 to 15Lit./hr
Resistivity	>5 M Ω
Ionic rejection	90-99%
Organic rejection	>95%
Bacteria rejection:	>99%
Particulate rejection	>99%
Type I Water Quality	
Ultra-pure water flow rate	0.05 to 1.5 L/min (Programmable flow rate)
Ultra-pure water Resistivity	18.2 M Ω cm at 25 $^{\circ}$ C
Conductivity	0.05 μ S/cm
Micro-organisms	< 1 cfu/MI
Particulates < 0.22 μ m	< 1/ ml
Cartridge Specifications	
Pre-filter	Single compact pretreatment unit containing 5 Micron depth filter with low voltage & pump with low noise levels. System Can handle feed water with TDS as high as 2000 ppm
Pretreatment cartridge	Three in one pre-treatment cartridge with (1) anti-scaling compound to control the hardness of water, (2) Activated Carbon filter to control the free chlorine, (3) 5 Micron depth filter to control the particulate load.
RO membrane	RO filtration process removes the ions, molecules, large suspended particles and bacteria from water. 1) System have equipped with high waste recovery loop to reduce the water wastage to the drain. 2) Reverse osmosis permeates divert valve which will divert low quality water to the drain automatically.

Polishing Cartridge	Application Specific cartridges to remove ionic and organic contaminants to trace levels	
Ultra-Filtration	Ultra-filtration removes microbial impurities & organisms.	
Conductivity Cell	It has sensor - Conductive Cell to measure the conductivity of water which results in the final water output through 0.2-micron filter system which is TYPE-1 high Purity Lab water having conductivity 0.055 micro Siemens per cm and resistivity 18.2 Mega Ohms - cm	
WATER SYSTEM	The system should have Auto-Rinsing mechanism to ensure consistent water quality & comes with replaceable cartridge filters. This system consists of various stages of purification techniques to attain water of highest purity.	

Firms are requested to give details of the specification, delivery, and availability. Quotations should reach the office of the Director on or before December 16, 2021 (4:30 p.m.). Quotations will be opened on December 17, 2021 at 1.30 PM. **Amount Rs.1,98,500/- including all taxes (Rs. one lac ninety-eight thousand five hundred).**

Terms and Conditions:

1. Quotations received after due date will not be considered in any case.
2. Please mention the rate for C.IF/F.O.R. Jaipur inclusive of all charges and taxes.



DIRECTOR
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Indira Gandhi Centre for
HEEPS, U.O.R., JAIPUR