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**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES  
(UNIVERSITY OF DELHI)  
Sector – 2, Phase – 1, Dwarka, New Delhi – 110075**

Ref. No. : Purchase/BCAS/Bio.Sci/2013-14/NR/01/  
Dated : 04th March, 2014

Last Date for receiving 18th March, 2014 4:30 p.m.

*Date of opening 19th March 2014  
11:00 a.m.*

Dear Sir,

Sealed quotations (valid upto 31<sup>st</sup> March, 2014) are invited for the purchase of the following items. Interested parties/suppliers/authorized dealers are requested to submit Quotations (Technical and financial bids separately sealed and further sealed in a single cover) as per the following Technical Specifications of the below mentioned item/s.

**Water Purification System (Specifications enclosed) Quantity = Two**

**Instructions to the suppliers:**

If you are interested to supply the same, send your Quotations along with details in a sealed cover to the undersigned. Two kinds of bids must be submitted in the Quotation, **one technical bid** consisting of all technical details along with relevant terms and conditions, and **one financial bid** containing price for the item mentioned in the technical bid. Both the bids should be sealed by the supplier in separate envelope duly super scribed as "**Quotation for Water Purification System (Department of Biology)**" and **Our Ref. No.** & the **Last Date** for receiving the quotation on top of the sealed cover and then both these sealed covers should be further enclosed in a **Main cover (C)** which should also be sealed and super scribed in the same manner as above.

**P.S. : We are hereby enclosing stickers to be put on the main covers.**

The supplier shall bear all the costs associated with the preparation and submission of its quotation including samples, literatures, etc.

The supplier should provide the following information / documents with their **Quotation**:

- Product Catalog of the item.
- Quantity and other Technical Specification
- The Firm should be registered with the Sales Tax Authority and should clearly mention valid TIN number, as per the Govt. Policy.
- Warranty period
- Details of support and service centers.
- Applicable taxes and charges for onsite installation.

Incomplete Quotations or the ones submitted after due date would be summarily rejected. Any alteration/overwriting should also be avoided. The College reserves the right to cancel any or all Quotations without assigning any reason thereof. Moreover, College will not be responsible for any postal delay.

The decision for the placement of Order is at the sole discretion of the Principal of the College.

*Manoj*

Yours faithfully

*Manoj*  
PRINCIPAL

**Dr. Manoj Kr. Khanna**  
Acting Principal  
Bhaskaracharya College of Applied Sciences  
(University of Delhi)  
Sector-2, Phase-I, Dwarka, New Delhi-75

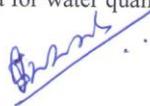
## Water Purification system

### **Specifications:-**

- Micro controller based system with colored 5.7" inch TFT Graphic display with Password Protection, Produce ASTM Type II Grade water.
- Feed water directly from potable tap water of 0.5 kg to 1.5 kg pressure.
- Prefiltration module with 5 micron filter, Activated Carbon and Block Carbon Cartridges.
- System should have purified water output 10 liters/hr
- Comprising of Reverse Osmosis membrane with a sanitization port for its regular cleaning.
- Online supercharged mixed bed resins, UV light of 254 nm
- Online conductivity meter with cell Constant of 0.01.
- Resistivity:-5-15 mega ohm/cm
- Conductivity: <0.2 (0.1 - 0.06 micro S/cm)
- T.O.C:-<20ppb
- Ionic Rejection>95%
- Silicate Rejection>99%
- Bacterial Count <1cfu/ml
- Constant of 0.01K, Resolution 0.01 micro Siemens
- System should be fitted with low Noise level booster pump.
- System should be synchronized with 20 liters **storage tank** of HDPE/PP with float, level switches and air vent hydrophobic filter of 0.22 micron (PTFE). Tank should have the Tap to dispense the water.

### **System should have the following features:-**

- The system produces Type-II water directly from Tap water in a Single Unit and capable of Bench mounting installation.
- The system having Large 5.7 inch TFT Graphic Display for showing the all parameters like Resistivity/conductivity, Temp.,% Rejection of RO, Alarms, , Modes, Report Configuration and Diagnostic Features etc. in one screen at a time .
- Password Protection for the system (PIN coded Protection).
- Automatic alarm for RO Membrane, Resins (UPC),UV and other cartridges replacement alarm, Auto Tank full and empty alarm.
- Auto Recirculation in case when system is not in use to safeguard the quality of cartridges.
- Dispensing of product water with variable and fixed speed.
- Automatic flushing. And sanitization.
- Data storage (inbuilt) to provide the data for water quality parameters with RS 232 interface to transfer the data to PC.



  
Dr. Manoj Kr. Khanna  
Acting Principal  
Bhaskaracharya College of Applied Sciences  
(University of Delhi)  
Sector-2, Phase-I, Dwarka, New Delhi-75

Envelope C: Quotation for the < Water Purification System >		
Department of Biology	Our Reference No:< Reply to Quotation on website	Dated: 04/03/2014
Envelope <b>C</b>	<b>The Principal Bhaskaracharya College of Applied Sciences University of Delhi Sector-2, Phase I, Dwarka New Delhi- 110075</b>	Last Date and Time of Receiving the Quotation: <b>18<sup>th</sup> March 2014</b> <i>4:30 p.m.</i>
Total Quotation with Financial Bid and Technical Bid		
From:		
	Kind Attn: TIC, Department of Biology	

Envelope B: Financial Bid for the < Water Purification System >		
Department of Biology	Our Reference No:< Reply to Quotation on website	Dated: 04/03/2014
Envelope <b>B</b>	<b>The Principal Bhaskaracharya College of Applied Sciences University of Delhi Sector-2, Phase I, Dwarka New Delhi- 110075</b>	Last Date and Time of Receiving the Quotation: <b>18<sup>th</sup> March, 2014</b> <i>4:30 p.m.</i>
Financial Bid		
From:		
	Kind Attn: TIC, Department of Biology	

Envelope A: Technical Bid for the <Water Purification System >		
Department of Biology	Our Reference No:< Reply to Quotation on website	Dated: 04/03/2014
Envelope <b>A</b>	<b>The Principal Bhaskaracharya College of Applied Sciences University of Delhi Sector-2, Phase I, Dwarka New Delhi- 110075</b>	Last Date and Time of Receiving the Quotation: <b>18<sup>th</sup> March, 2014</b> <i>4:30 p.m.</i>
Technical Bid		
From:		
	Kind Attn: TIC, Department of Biology	