



.No.: Tech-42/AirLab/P-II(13)ZOB/13-14/

16<sup>th</sup> May 2014

To

As per the list

Sub: Inviting 2 bid quotations for supplying of **Water Purification System**

Sir,

Sealed quotations are hereby invited from the reputed manufacturers/Authorized dealers to supply the instruments/equipment **Water Purification System** as per the specifications mentioned in Annexures and as per the terms and conditions detailed below:-

1. Technical bid containing the technical specification of the instruments/equipment shall be kept in a separate sealed envelope (1) and Price bid quoting the price of the instruments/equipment shall be kept separately in another sealed envelope (2) mentioning “**Technical Bid**” and “**Price bid**” on top left side of the envelope respectively.
2. **Both Technical and Price bids are to be kept separately** in sealed envelopes and both shall be kept in sealed envelope (3) mentioning that “Quotation for instruments/equipment **Water Purification System** on top left side of the envelope.

Contc....2

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दक्षिण औद्योगिक कार्यालय : निसर्ग भवन, ए - ब्लॉक, प्रथम एवं द्वितीय तल, तिम्मय्या रोड, 7- डी क्रॉस, शिवनगर,  
पुष्पांजली थियेटर के सामने, बेंगलूर - ५६० ०१०  
South Zonal Office : "Nisarga Bhavan", A-Block, 1st & 2nd Floors, Thimmaiah Road, 7th D-Cross,  
Shivanagar, Opp. Pushpanjali Theatre, Bangalore - 560 010.  
दूरभाष Telephone : 23233739, 23233827, 23233996, 23233600 Fax : 23234059  
ई - मेल / E-mail : cpcbszo@yahoo.com

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प्रधान कार्यालय : परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली - ११० ०३२  
Head Office : Parivesh Bhavan, East Arjun Nagar, Delhi - 110 032.  
दूरभाष Telephone : 22305792, 22303717 Fax : 22305793, 22307078, 22307079, 22301932, 22304948  
ई - मेल, E-mail : cpcb@alpha.nic.in वेबसाइट / Website : www.cpcb.nic.in

3. **Buy/Back:** Quotation for buy/back shall also be quoted and **preference** will be given for the same. The instruments/equipment meant for buy/back shall be inspected during the Office hours at our premises if required.
4. The duly filled in quotation shall reach this office on or before 09<sup>th</sup> June 2014 at 16:00 hours by post. The quotation may also be dropped in the Tender Box kept at this office.
5. The quotation received without separate sealed envelopes for technical and Price bid as explained in conditions 1 and 2 shall not be entertained.
6. The instruments/equipment shall be delivered, installed and adequate demo & training to the laboratory staff shall be given at this office.
7. Onsite warranty for three years to be given.
8. The call of quotation does not bind the Central Board to place the order.
9. The quotations submitted in response to this notice may be rejected without assigning any reason.
10. The instruments/equipment shall be delivered along with the invoice in original at this office within 30 days from the date of issue of Supply Order
11. The validity of quotation shall normally be 90 days from the date of opening.
12. The payment shall be released after the delivery, demo and satisfactory performance of the instruments/equipment.
13. Applicable taxes, cess, any other charges if any shall be quoted separately.

Yours faithfully

(S.Suresh)  
ZONAL OFFICER

Encl.: Annexure

## **List of Mailing Address**

M/s Merck Millipore  
Millipore (India)Private Limited  
50A, 2<sup>nd</sup> Phase, Ring Road  
Peenya,  
Bangalore – 560058

M/s Metrohm India Limited  
Unit-4, 3<sup>rd</sup> Floor, Pride Hulkul  
No-116 Lalbagh Road  
Bangalore – 560027

M/s Thermo Fisher Scientific (I)(P)Ltd  
#159, Ground Floor, Prestige Sapphire  
9<sup>th</sup> Main, 17<sup>th</sup> Cross, 3<sup>rd</sup> Block  
Jayanagar  
Bangalore – 560011

M/s Sartorius India (P)Ltd  
#69/2 &69/3, NH48, Jakkasandra  
Nelamangala  
Bangalore – 562123

M/s INEXUS Biotech (P) Ltd  
#37, Chinnaiah Street  
Off.Tirumalapillai Road  
T-Nagar  
Chennai – 600 017

# Water Purification system.

## Technical Specifications

System should be capable of producing type II and type I water adhering to ASTM D1193 standards

The lab water details:	
1) The water to the system is fed from an overhead tank	
2) The pressure at the lab is around 1 to 1.5 bar	
3) At times color is noticed.	
<b>Specifications for Type- II</b>	
Particles .....	0.22 $\mu\text{m}$ ( <1/ mL)
TOC (ppb) .....	<30 ppb
Pure Water Resistivity( $\text{M}\Omega\cdot\text{cm}$ @ 25°C).....	> 5
Dispensing Flow Rate .....	2 lit/min
inbuilt TOC monitor .....	Real time continues TOC monitor
Organics and particulates .....	99% rejections
Storage tank of 25 lit capacity (docking reservoir tank) to store type II water	
System will have a built-in pump for recirculation and dispensing of purified water. The recirculation ensures that water quality is optimized any time the user wants to collect	
Bacteria .....	0.1 to 1cfu/ml
<b>Specifications for Type - I</b>	
Ultrapure Water (Type 1) Flow Rate (L/min)....	2L/Min
Ultrapure Water Resistivity ( $\text{M}\Omega\cdot\text{cm}$ at 25°C).....	18.2 (0.05 $\mu\text{s}/\text{cm}$ )
Microorganisms (cfu/mL).....	< 1cfu/ml
Particulates < 0.22 $\mu\text{m}$ ( / mL).....	< 1
Dispensing Flow rate .....	2 lit/min through robotic arm
UV lamp to have dual wave length (185/254 nm)	
TOC (ppb) .....	< 5
Inbuilt TOC monitor	

**Other Specifications:**

- The system should come with inlet power booster pump to increase pressure to > 2 bar to feed to water purification systems. And have pre cartridges to remove suspended mater, Organic matter and color.
- Electrical voltage 230-250 Volts, Frequency 50-60 Hz
- Noise not more than 40 dBA