

**Environmental Engineering Laboratory  
Department of Civil Engineering**

**Notice Inviting Quotations for Benchtop Multi Ion Meter and Ion Selective Electrodes**

Date: 25.10.2016

Sealed quotations are invited for a **Benchtop Multi Ion Meter and Ion Selective Electrodes**, to be used for the analysis of pH, Nitrate, Fluoride and other ions in water, as per the specifications described below on or before 16<sup>th</sup> November 2016, 17:00 Hours. Two bids (separate quotations for technical and financial bid) put together in a common outer envelope subscribing "Quotation for Suppressor and Column for Ion Chromatograph" should be addressed and submitted to

**Dr. Gazala Habib**

Block-4, Room No. 313; Environmental Engineering  
Department of Civil Engineering, Indian Institute of Technology Delhi,  
Hauz Khas, New Delhi -110016.

**Technical Specifications for Benchtop Ion Meter**

Special Feature	<b>BENCHTOP Multi-Ion METER</b> , for pH, Nitrate and Fluoride etc.
Display	LCD
Working Temperature Range	10-60°C
Temperature Resolution	0.1 °C
ISE Range	0.01 to 10000 mg/L or better
ISE Resolution	0.001; 0.01; 0.1; 1; 10 mg/L

**Technical Specifications for Ion Selective Electrodes (Nitrate)**

Special Feature	Dry storage, Fast response time. No replacement of membranes, Non-refillable
Probe Type	Combination Ion Selective Electrode
Ranges	0.1 mg/L to 10,000 or better
Accuracy	±0.02mV or 0.05% or better
Working Temperature Range	0 or 50 °C
Sensor Type	Solid-state PVC membrane

**Technical Specifications for Electrodes (Fluoride)**

Special Feature	Dry storage, Fast response time. No replacement of membranes, Non-refillable
Probe Type	Combination Ion Selective Electrode
Ranges	0.1 mg/L to 10,000 mg/L or better
Accuracy	±0.02mV or 0.05%, or better
Working Temperature Range	5 to 50 °C
Sensor Type	Solid-state PVC/ Crystal membrane

**Note:**

- **The quotations without three years onsite comprehensive warranty on Benchtop Ion Meter, will not be considered.**
- The decision of departmental purchase finalization committee for selection or rejection of any bid will be final.
- All the items must be compatible for our existing Dionex Ion Chromatograph (ICS-1000) therefore both "Suppressor" and "Ion Exclusion Column" must be compatible with it.

**(Dr. GAZALA HABIB)**