

**Environmental Engineering Laboratory
Department of Civil Engineering**

Notice Inviting Quotations for "Automatic Nitrogen & Carbon Analyzer with Digester"

Sealed quotations are invited in two bids (separate quotations for technical and financial bid in separate sealed covers and put together in a common outer envelope subscribing NIQ for **Automatic Nitrogen & Carbon Analyzer with Digester**) for the requirement of **Automatic Nitrogen & Carbon Analyzer with Digester** per the specifications described below on or before 11/03/2013, 17:00 hrs. Quotations should be addressed and submitted to

Prof. Mukesh Khare,
Department of Civil Engineering,
Indian Institute of Technology Delhi,
Hauz Khas, New Delhi -110016.

Technical Specification for Automatic Nitrogen & Carbon Analyzer with Digester

We require Automatic Nitrogen & Carbon Analyzer with Digester along with relevant accessories for analysis of organic samples in wastewater.

- 1. Preprogrammed Visible Spectrophotometer**

Wavelength Range	400 to 900nm
Wavelength Accuracy	±1.5nm
Wavelength Resolution	1nm

- 2. Digestion Apparatus**

Included:

Heater Assembly	
Heat Shield	
Fractionating Column with protector	
Column Baffle	
Capillary Funnel	
Capillary Funnel Adapter	
Digestion Flask	
Water Aspirator	
Goggles Safety	
Power Supply	230V
Temperature Control	100 - 480°C
Aspirator Capacity	11.5L/min
Water Pressure	7.5 psi minimum

- 3. COD/TOC Digester**

Power Supply	100-240V, 50/60 Hz
Temperature	10 to 40°C
Temperature Stability	± 1°C



4. TKN Reagent Range	1 to 150 ppm
5. COD Reagent Range	0 to 1500 ppm
6. TOC Reagent Range	100 to 700mg/L

Terms and Conditions

1. Validity of the quotation should be for minimum three months.
2. Payment mode should be clearly mentioned. Preferred payment mode is within 30 days of successful installation.
3. All bank charges outside India shall be on Beneficiary's account and within India shall be on opener's account, in case of imported items.
4. Proprietary certificate may be enclosed in case of proprietary item.
5. In case of imported items, **Agency Certificate** from the Principals/manufacture should be enclosed.
6. Educational Institution discount should be given.
7. Minimum one year onsite comprehensive warranty is must without which the quotation will not be considered.
8. The Institute reserves the right to accept or reject any/all of the quotations without assigning any reasons thereof.

Prof. Mukesh Khare