



**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
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Enquiry Letter No. CE/EEM/2013/NC/TOC/11  
Last Date: September 9, 2013

Date: August 26, 2013

**Letter Requesting Quotation for Total Organic Carbon Analyser**

Quotation is sought for a *Total Organic Carbon Analyser* with minimum specifications given in the list below. The quotation has to be submitted in two separately sealed envelopes, one containing the technical specifications and marked as "Technical Quote" on the envelope and the other containing the price and marked as the "Price Quote" on the envelope. Please apply the discounts admissible to the educational institutes such as IIT Kanpur and also note that IIT Kanpur is exempted from paying duties for imported items.

**Minimum Specification Required:**

Description	:	Microprocessor / PC Based analyzer with facility for direct measurement of Total Carbon (TC), Inorganic Carbon (IC) & Total Organic Carbon(TOC) in all types aqueous samples.
Measurement Principle	:	Any measurement principle acceptable to USEPA supported by relevant documentary evidence
Sample Compatibility	:	Suitable for measurements in Drinking water, Pure water, Industrial Effluent Water, Brine Samples, River water, Sea water, Sewage Water etc.
Measuring Range	:	measuring range from 0 to 30,000 ppm. Automatic dilution capability preferred.
Detection Limit	:	50 ppb
Precision/Accuracy	:	Less than $\pm 1.5\%$ for the entire range
Sample Entry	:	Automatic capillary suction (if without auto sampler). Should accept aqueous samples having suspended solids up to 500 micron size.
Measuring Time	:	TC: approx.3min, IC: approx.3min.
Power Supply	:	220 to 240 +/- 10% VAC, 50Hz

**Auto Sampler Unit**

Description : Auto Sampler Unit with optional sparging facility and magnetic stirrer for stirring the samples having suspended solids.

All quotations should be in the currency of the country of origin of the instrument and CIF, Delhi. The quotation should reach the address mentioned in this letterhead no later than **September 9, 2013**.

(Vinod Tare)