



# Department of Civil Engineering National Institute of Technology, Kurukshetra

Ref. No. CED/Envi./NITK/2017/ 23

Dated: - 25.01.2018

M/s. Addressed as per  
list attached

## SUBJECT: INVITATION OF QUOTATIONS FOR PURCHASE OF CONDUCTIVITY METER.

1. You are invited to submit your most competitive quotation for the following good(s):

Sr. No.	Brief Description & Specification of Goods	Quantity	Delivery Period	F. O. R.
1.	Conductivity Meter as per Detailed Specifications on attached separate sheet	01	4-6 Weeks	N.I.T. Kurukshetra

2. Necessary Literature of the goods may please be sent to facilitate to take decision.
3. All duties, taxes and other levies payable by the Institute shall be included in the total price. This Institute does not issue Form C or D:
4. Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications. The bank detail for making online payment may be indicated in the quotation.
5. The item must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%.
6. The goods are not required exclusively for Research Purpose. The Duties are payable by the Institute.
7. The quotation should remain valid for a period not less than 45 days from the date of submission.
8. The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
9. The due date of receipt of Quotation is **15.02.2018** and will be opened on next working day. Please quote on the top of the envelope our Reference No. and due date of opening

*15/1/18*  
Head of Department (Incharge)  
Civil Engineering Department  
National Institute of Technology  
Kurukshetra-136119

*[Signature]*  
25.01.18  
Indentor  
INDENTOR  
Civil Engineering Department  
National Institute of Technology  
Kurukshetra-136119

## CONDUCTIVITY METER

Benchtop type microprocessor based conductivity meter complete with all accessories and essential features including conductivity cell, temperature probe, electrodes and standard solutions to measure conductivity, TDS, salinity and temperature. The conductivity meter should have tough construction, waterproof body, built-in electrode holder to hold the electrode during the transport/storage, anti-glare large digital display, 99-points recall memory, RS232 downloading capability. The equipment shall have minimum 3 year warranty.

### Range:

Conductivity: 0 to 19.99  $\mu\text{S}/\text{cm}$ , 20 to 199.9  $\mu\text{S}/\text{cm}$ , 200 to 1999.9  $\mu\text{S}/\text{cm}$ , 2-19.99  $\text{mS}/\text{cm}$ ; 20-199.9  $\text{mS}/\text{cm}$

TDS: 0 to 50,000  $\text{mg}/\text{L}$  as NaCl

Temperature:  $-10$  to  $105^{\circ}\text{C}$

### Resolution:

Conductivity: 0.1  $\mu\text{S}/\text{cm}$ , 1.0  $\mu\text{S}/\text{cm}$ , 0.01  $\text{mS}/\text{cm}$ , 0.1  $\text{mS}/\text{cm}$

TDS: 0.1  $\text{mg}/\text{l}$ , 1.0  $\text{mg}/\text{l}$ , 0.01  $\text{g}/\text{L}$ , 0.1  $\text{g}/\text{L}$

Temperature:  $0.1^{\circ}\text{C}$

### Accuracy:

Conductivity:  $\pm 1\%$  of full scale

TDS:  $\pm 1\%$  of full scale

Temperature:  $\pm 0.3^{\circ}\text{C}$  at  $0 - 70^{\circ}\text{C}$ ,  $\pm 1.0^{\circ}\text{C}$  at  $70 - 110^{\circ}\text{C}$

Conversion Factor for TDS: Adjustable automatic or user-adjustable

Temperature Compensation: Automatic

Display: LCD/LED

Instrument Drift:  $<40\mu\text{V}/^{\circ}\text{C}$

Environmental Requirements:  $0 - 50^{\circ}\text{C}$  at 85% non-condensing relative humidity

Power requirement: AC 220 - 240 V, 50-60 Hz

Automatic Functions: Automatic buffer recognition, self-diagnosis, stability control, validation, service, calibration, diagnosis, GLP / ISO compliant.

**Warranty:** Three years from the date of installation.

**Installation & Servicing:** The equipment should be installed by certified engineer of the firm. The service engineer of the firm shall be visiting as frequently as necessary for repair and maintenance of equipment during 3 year warranty period.

**Accessories and Spare Consumables:** The instrument should include all essential accessories including conductivity cell, electrodes, probes, standard solutions, dust cover, electrode stand, batteries, power cord, operating manual, etc. and spare consumables for satisfactory continuous operation during three year of warranty period.