

**Delhi Technological University**  
**Shahabadpur Daulatpur, Bawana Road, Delhi-110042**  
**Department of Applied Chemistry**

File No: DTU/AC/2019-20/431

Date: November 25, 2020

**NOTICE FOR INVITING QUOTATION FOR TURBIDITY METER**

For the procurement of the required item for Reaction Engineering Laboratory (SBSF-07) in Department of Applied Chemistry invites, on behalf of Delhi Technological University, sealed quotation from agencies within twenty days of this notice in HoD Office, Department of Applied Chemistry, Science Block, DTU addressing Dr. Raminder Kaur, for the supply of following item of specifications mentioned below.

S. No.	Name of the item	Quantity	Time allowed to supply	Last date of Receipt of the Quotation
1	Turbidity Meter	01	One month	20 days from the advertisement

**Technical Specifications Required:**

**Salient Features:**

- ❖ Principle of Operation: Nephelometric principle with 90° detection.
- ❖ Multi-Point Push-Button Calibration (Up to 3 or 4 points) for optimum full-range accuracy of  $\pm 2\%$  full scale.
- ❖ Consistent light source for greater accuracy.
- ❖ Auto-Ranging for fast response and best resolution (up to 0.01 NTU) over wide measurement range.
- ❖ Hassle-free, quick and easy Push-Button Calibration.
- ❖ Auto-Alert Calibration prompts at user-defined interval to ensure regularly scheduled recalibration for ISO (7027) and GLP compliance.
- ❖ Self-Diagnostic with message codes for easy troubleshooting.

**TECHNICAL SPECIFICATIONS**

<b>Turbidity Range</b>	0 to 1000 NTU
<b>Resolution</b>	0.01 to 19.9 NTU with 0.01 resolution 20.0 to 99.9 NTU with 0.1 NTU resolution
<b>Accuracy</b>	100 to 1000 NTU with 1 NTU resolution $\pm 2\%$ of reading $\pm 1$ LSD for 0 to 500 NTU $\pm 3\%$ of reading $\pm 1$ LSD for 501 to 1000 NTU
<b>Repeatability</b>	$\pm 1\%$ of reading or $\pm 0.01$ NTU
<b>No. of Calibration Points</b>	3 or 4 points (automatic)
<b>Response Time</b>	< 6 seconds for full step change
<b>Calibration Standards</b>	0.02 NTU; 20.0 NTU; 100 NTU; 800 NTU
<b>Standardization</b>	EPA-approved polymer-based primary standards
<b>Light Source Life</b>	> 1,000,000 tests
<b>Light Source</b>	White light (tungsten) or infrared emitting diode
<b>Power Requirements</b>	12 VDC, using AC adapters 110 VAC or 220 VAC, 50/60 Hz or AAA batteries
<b>Special Functions</b>	Auto-Ranging; Self-diagnostic

Interested vendors can submit their quotation along with terms and conditions and a copy of GSTIN No and PAN card within twenty days of this notice in the HoD Office, Department of Applied Chemistry, Science Block, DTU, addressing Dr. Raminder Kaur.

*Raminder Kaur*  
25/11/2020

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*S.G. Warkar*  
25/11/2020

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