

**CIVIL ENGINEERING DEPARTMENT
A.M.U., ALIGARH**

Notice for Quotation

D. No. 578 /CED

Dated: 21.02.2019

Sealed quotations are invited from authorized Dealers/Companies/Manufactures for the following article (s).

1. Acoustic Doppler Velocimeter (10Mhz ADV) with the following specification:-

Occy Range	±0.001 to 4.0 m/s (0.003 to 13 ft/s)
Velocity Resolution	0.0001 m/s (0.0003 ft/s)
Velocity Accuracy	±1% of measured velocity + 0.25 cm/s
Acoustic Frequency	10.0 MHz
Sampling Volume Location	10 cm (3.93 in) from the center transducer
Sampling Volume Size	0.25cc
Minimum Depth	0.02 m (0.79 in)
Temperature Sensor	Resolution: 0.01° C, Accuracy: 0.1° C
Tilt Sensor	Accuracy: 1.0°
Communication Protocol	RS-232
Operating/Storage Temperature	-20° C to 50° C (-4° F to 122° F)
Physical Specifications	
-Probe Head Dimensions	(L)13.3 cm (5.22 in); (W) 6.1 cm (2.39 in); (H) 2.3 cm (0.90 in)
-Standard Cable Length	1.5 m (4.92 ft)
-Weight in Air	0.90 kg (1.98 lbs)
-Weight in Water	0.30 kg (0.66 lbs)
Sampling Rate	1, 2, 5, or 10Hz
Optional Extension Cables	1.5, 3.5, or 8.5 m

2. UV-VISIBLE SPECTROPHOTOMETER SPLIT BEAM (Hach or Equivalent)

EPA Approved Pre-programmed UV-Visible Spectrophotometer with TNTplus® reagent vials

Technical Specification:

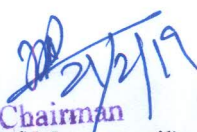
Operating Mode: Transmittance (%), absorbance and concentration (wavelength, time)
Source Lamp Tungsten (visible range), deuterium (UV range)
Wavelength Range 190 - 1100 nm
Wavelength Accuracy ±1 nm
Wavelength Reproducibility < 0.1 nm
Wavelength Resolution 0.1 nm
Wavelength Selection Automatic, based on method selection
Spectral Bandwidth 2 nm
Photometric Measuring Range ±3 Abs
Photometric Accuracy <1% at 0.5-2.0 Abs at 546 nm
5 mAbs at 0.0-0.5 Abs
Scanning Speed 900 nm/min (in 1 nm steps)
Photometric Linearity 0.5% - 2 Abs
≤1% at >2 Abs with neutral glass at 546 nm
Stray Light KI-solution at 220 nm & < 3.3 Abs/< 0.05%
Display TFT 7 inch WVGA color touch
Data Logger 5000 data points (result, date, time, sample-ID, user-ID)
Preprogrammed Methods > 250
User Programs 200
Sample Cell Compatibility Rectangular: 10, 20, 30, 50 mm, 1 inch; round: 13 mm, 16 mm, 1 inch
Optional 100 mm rectangular cell with additional adapter
Operating Conditions 10 to 40°C, max. 80% relative humidity (non-condensing)
Storage Conditions -25 to 60°C max. 80% relative humidity (non-condensing)
Instrument Enclosure
Rating IP 20 with closed lid
Interfaces USB type A (2), USB type B, Ethernet, RFID module

3. Upgradation/Computerization of available Compression Testing Machine 300 kn capacity (Model AIM-302)

Made from AIMIL-Ltd (India), with providing and installation of software, load cell, Displacement Gauges, including all necessary arrangements and repairs.

The Technical Specification/Configurations of each item should be as per requirement.

Quotations should reach to the under signed office on or before 28.02.2019 by 10:00 A.M.


अध्यक्ष/Chairman
(Prof. Mohammad Muzzammil)
सिविल इंजीनियरिंग विभाग
Chairperson
Civil Engg. Deptt.
अलीगढ़ (A.M.U.), अलीगढ़