

Indian Institute of Technology - Kanpur
Department of Biological Sciences & Bioengineering

Enquiry Number: BSBE/BA/DBT/NC1, dated: 19/08/2016

Sub.: Inquiry for the supply of the Refrigerated Table Top Centrifuge and UV/Vis Spectrophotometer.

Opening date: August 19th 2016 at 10:00 AM

Closing date: August 26th 2016 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the Refrigerated Table Top Centrifuge and UV/Vis Spectrophotometer as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the installation and warranty/CMC costs (see below).
- Validity at least for 90 days.
- Warranty period for the instrument: at least THREE years from installation (for both items #1 and #2).
- FOB (indicating port of shipment) and CIF (New Delhi) values separately if requires import.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address.

The quote (in duplicate) should reach the undersigned on or before 5:00 PM August 26th 2016. The envelope should be marked as "**Quote for the supply of the Refrigerated Table Top Centrifuge and UV/Vis Spectrophotometer**".

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Item No. 1 : Refrigerated Table Top Centrifuge (Quantity 1)

Specifications:

- Table top refrigerated centrifuge with 14,000 rpm & 20,913xg
- Total Capacity should be 3 L or more.
- Temp. range -9 to + 40 deg C
- Short spin key. Fast cool option & stand by cooling
- Facility to put "at set rpm" function.
- 10 acceleration & 10 breaking ramps
- More than 30 program memory
- Ability to spin 15 ml and 50 ml falcon tubes and oak-ridge tubes, Plates with fixed angle rotors and Swing Bucket Rotors

- Should be approved from I_vD (In Vitro Diagnostic).
- Should have facility to validate speed temp and time with certified device.
- Should have the standard of International safety parameter
- Should have inbuilt drainage system inside the chamber.
- Appropriate voltage stabilizer/UPS for the equipment should be included in the quotation (without any additional charge).

Rotors required:

- 6X85ml Fixed angle rotor (with 15 ml & 50ml falcon tube adapter)
- 4x250 ml Swing out rotor with 15 & 50 ml tube adaptors
- Plate buckets to run at least 16 Microtitre Plates, 4 Deep Well Plates at a time.
- **Warranty period (from date of installation): Minimum 3 years.**
- **Bidding companies should have several installations in and around Kanpur and must have service center based at Kanpur/Lucknow.**

Item No. 2: UV/Vis Spectrophotometer (Quantity 1)

Specifications:

- UV/Vis spectrophotometer with wavelength range from 200 nm to 830 nm, with spectral scanning feature.
- Optics must have the combination of xenon flash lamp with holographic aberration-corrected concave grating and receiver as CMOS photodiode.
- Instrument should operate moment switched on with no warming up time.
- Should be compact & stand-alone system to handle sample volume ranging from 50 µL to 4 mL.
- Future upgrade for low volume sample measurements should be possible
- System should also allow using conventional quartz/glass/plastic cuvettes in addition to low volume.
- Must allow rapid and reliable quantification of Nucleic acids and proteins, OD600, dye methods (to calculate the FOI (both nucleic acid & protein).
- Should allow acquire data at user-defined wavelengths from 200 nm to 830 nm and at user preferred path length.
- Detection limit for dsDNA: 2.5 ng/µL (with defined path length of 10 mm).
- Concentration via standard series must have curve fit evaluations viz., Regressions Direct operation on the device, with no requirement for PC.
- Measuring results (>1,000) can be saved directly on the device. >100 method programs in memory. Spectral band width: < 4 nm. Display: VGA TFT-Display 5.7".
- Only original Make will be accepted No cloned and China Make will not be entertained.
- Appropriate voltage stabilizer/UPS for the equipment should be included in the quotation (without any additional charge).
- **Warranty period (from date of installation): Minimum 3 years.**
- **Bidding companies should have several installations in and around Kanpur and must have service center based at Kanpur/Lucknow.**

Important: Please attach a summary table to highlight the compatibility of your equipment's set-up against specific features mentioned here. Quotations will not be considered if the table is missing.