



CENTRE FOR NANO AND SOFT MATTER SCIENCES

Prof. U.R. Rao Road, Jalahalli, BENGALURU 560 013.

Autonomous Institution under the Dept. of Science & Technology, Govt. of India

REQUEST FOR QUOTATION

PI2/000150/19-20

Date : 02.03.2020

The Centre invites Quotation bid for the following item.

| Sl No | Description of Item | Qty |
|-------|--|-------|
| 01 | Hot stage with High precision temperature controller (Technical Specifications attached) | 1 No. |

NOTE:

- The sealed quotation should be submitted on or before 12 March 2020 through Speed Post / Courier / Registered Post.
- The quotation should be addressed to the **Administration and Finance Officer, Centre for Nano and Soft Matter Sciences**, PB No: 1329, Prof. U.R Rao Road, Jalahalli, Bangalore-560013. The same should be accompanied with and
- Earnest Money Deposit of Rs.50,000/- is to be remitted through SBI Collect facility online and proof of remittance should be submitted along with the quotation.

Procedure for paying through SBI Collect :-

SBI Collect-Karnataka-Govt. Department-Centre for Nano and Soft Matter Sciences-MISC Fee- Tender Application Fee (Purpose).

The EMD will be refunded to unsuccessful bidders without any interest thereon. Overseas bidders may remit an equivalent EMD to the Centre's Bank A/C No.10838600274, Bank Name : State Bank of India, Jalahalli branch, IFSC Code : SBIN00963 SWIFT Code: SBININBB177.

- If the equipment is imported, the cost should be quoted on Ex-Works /CIP Bangalore basis. The packaging details must be included in the quotation.
- A brochure giving technical details of the product should be enclosed.
- Discount if any should be clearly mentioned.
- Delivery schedule, warranty details must be clearly indicated.
- Taxes & duties should be separately shown.
- EMD of Rs. 50,000 may be submitted.
- The quoted price should be valid for a minimum period of **3 months** from the date of quotation.
- Terms of payment:**
 - For Imported Equipment:**
 - 90% through Letter of Credit with usance period of 30 days on proof of dispatch of consignment. The balance 10% payment will be released after expiry of the applicable

Warranty period or on submission of Performance Bank Guarantee for an equivalent amount (10% of the Invoice value), having validity up to three months from the date of expiry of the applicable Warranty per

OR

- (b) 100% by wire transfer on receipt of consignment against submission of Performance Bank Guarantee equal to 10% value of the equipment, having validity up to a period of 3 months after expiry of Warranty. Or 90% by wire transfer on receipt of consignment and balance 10% after expiry of Warranty.
- (ii) **For Indigenous Equipment:** The payment in INR shall be made through NEFT/RTGS after successful installation and against submission of Performance Bank Guarantee equal to 10% value of the equipment, having validity up to a period of 3 months after expiry of Warranty. Complete details such as the bank account number/IFSC/SWIFT/Bank Address, etc. should be provided along with the price bid.
- l. **Opening of quotation:** The firm shall be at liberty to authorize a representative to be present at the opening of the quotation at the time and date which will be informed by E-mail. A proper letter of authority should be produced before the meeting.
 - m. Firms representing the Principal supplier should submit authorized dealership certificate from the principal company along with the quotation. The dealership certificate should be valid for at least one year from the date of submission of quotation.
 - n. **Banking charges:** All banking charges applicable outside India will be on suppliers account.
 - o. **Warranty and replacement:** The Supplier shall ensure that the Items/Equipment supplied shall comply fully with the specifications laid down, for material workmanship and performance. The Warranty period should be specifically mentioned.
 - p. The Centre reserves the right to accept or reject any quotation or part thereof without assigning any reasons.
 - q. Sealed envelopes containing the quotation should be superscripted with "Quotation for PI2/000150/19-20. Quotation received after the due date shall not be considered.
 - r. GST if applicable should be at concessional rates as applicable under provisions of OM No. 45/2017 relating to Scientific Research Institutes. Necessary Certificate will be issued at the time of placing order.

Yours sincerely
Sd/-

Administration and Finance Officer

Equipment: Temperature controlled hot stage

Technical Specifications:

1. Heater: Integrated dual heaters incorporated into both top and bottom parts of the sample chamber-should result uniform heating of the sample with minimal gradient
2. Temperature range: Room temperature to 375 deg C. The system should work over this entire temperature range in air cooling mode and without the requirement of water circulation or any such forced cooling attachments
3. Temperature resolution: 0.1 deg C
4. Heating/Cooling rage: Min 0.1 deg C /min, Max 20 deg C/min
5. Sample change area (nominal): 48 mm x 20 mm
6. Optical port aperture size: 3 mm and protected by a heat filter to minimize/eliminate heating of the microscope objective/condenser
7. Minimum Objective working distance 11 mm
8. Chamber height: 2 mm
9. Interfacing: RS232 (serial)
10. Built-in facility to interface the controller with a PC for data acquisition and control. Vendor should provide the required mnemonics.
11. Temperature Controller
User friendly front panel operation for all the functions of the controller with digital display of programmed temperature, actual temperature and the rate
12. Operating power requirement: 220/230 V, 50Hz
13. Warranty: minimum period of 1 year
14. Laptop for interfacing with the controller having USB to serial (RS232) converter

Specifications for Laptop:

- Processor: Intel Core i5 8th Gen processor , 8GB DDR4 SDRAM RAM
- Operating System: At least Windows 10 Home
- Display: 14-inch FHD (at least 1920 x 1080 pixels)
- Storage: at east: 1TB HDD
- Laptop weight: <1.5 kg
- Warranty: At least 1 year
- Preinstalled Software: Windows 10 Home, MS Office Home
- Ports: 1 USB 3.1 Type-C, 2 USB 3.1, 1 HDMI, 1 SD card reader, 1 Audio-output