Indian Institute of Technology, Delhi (IIT Delhi)

Expression of Interest

IITD/BCHM/RP03885-1/2020

19.Jun.2020

IITD/BCHM(SP-3024)/2020

Department of Chemistry, IIT Delhi wishes to establish a Photoconductivity measurement setup. A complete photoconductivity setup is required with the desirable specifications as given below.

1) **Tungsten-halogen lamp**
   Specifications: Power ~200-300 W, should work on AC power supply, forced-air cooling and variable brightness control

2) **Diffraction grating monochromator**
   Specifications: Czerny–Turner configuration, spectral resolution ~ 10 nm, Wavelength range ~ 300 nm - 1100 nm

3) **Optical lens (1 unit each)**
   (a) Specifications: Wavelength range 300 nm - 1100 nm, Focal Length ~ 200 nm, diameter ~ 1 inch
   (b) Specifications: Wavelength range 300 nm - 1100 nm, Focal Length ~ 50 nm, diameter ~ 1 inch

4) **Mirrors (2 units)**
   Specifications: Diameter = 1 inch, Wavelength range ~ 300 nm - 1100 nm

5) **90° Off-Axis Parabolic Mirrors (1 units)**
   Specifications: Diameter = 1 inch, Wavelength range ~ 300 nm - 1100 nm

6) **Hand held Power meter**
   Specifications: Power range 50 nW - 500 mW, Wavelength range ~ 300 nm - 1100 nm

7) **3-mm Optical cage system for mounting the optical components**
   Specification: 45° mirror mount (2 units), Right-angle kinematic mount for Off-Axis parabolic mirrors (1 unit), Adjustable lens mount (2 units), one optical table to mound these accessories

8) **Semiconductor parameter analyzer/source measuring unit**
   Current source/measure from ~ 10 pA to 1 A
   Voltage source/measure from ~ 200 mV to 20 Volt

9) **Microprobe manipulator (4 unit) magnetic base and tungsten microprobe tip.**

10) **Software and computer accessories** to control the monochromator, source meter and data acquisition.

Services:

1. Complete comprehensive warranty preferably for 2 years.
2. Installation, operation and training of users for usage of equipment

Eligibility criteria:

1. Vendor must be original manufacturer or authorized dealer for the OEM
2. Successfully established user-base in India.

Requested material:

1. Vendor covering letter detailing their expertise and experience in setting up similar facilities in India or Abroad.
2. Technical specifications and application notes of the photoconductivity setup should be available with them. Please give as much details as possible for the products and also the services that can be provided.

Submission of proposal:

Vendors are requested to submit a proposal for the above mentioned items as a single PDF on NIC portal (E-Procurement).

Deadline for submitting proposal: **10.Jul.2020 3:00 PM**

Evaluation procedure: The purchase committee will invite all the vendors for **online** presentations on their submitted proposals. Date of interaction will be communicated individually to all vendors. Based on the proposal and technical specifications presented to the purchase committee, technical specifications of the final tender will be finalized and uploaded.

For queries related to this EOI, you may send an email to sapra@chemistry.iitd.ac.in

SCHEDULE

Name of Organization	Indian Institute of Technology Delhi
Tender Type (Open/Limited/EOI/Auction/Single/Global)	EOI
Tender Category (Services/Goods/works)	Goods & Services
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Goods & Services
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Others
Date of Issue/Publishing	**19/06/2020 (16:00 Hrs)**
Document Download/Sale Start Date	**19/06/2020 (16:00 Hrs)**
Document Download/Sale End Date	**10/07/2020 (15:00 Hrs)**
Last Date and Time for Uploading of Bids	**10/07/2020 (15:00 Hrs)**
Date and Time of Opening of Technical Bids	**13/07/2020 (15:00 Hrs)**
Tender Fee	Rs.____NIL_____/- (For Tender Fee)
EMD	Rs.____NIL_____/- (For EMD) (To be paid through RTGS/NEFT. IIT Delhi Bank details are as under: Name of the Bank A/C : IITD Revenue Account SBI A/C No. : 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016

	IFSC Code : SBIN0001077 MICR Code : 110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II)
No. of Covers (1/2/3/4)	01
Bid Validity days (180/120/90/60/30)	120 days (From last date of opening of tender)
Address for Communication	Department of Chemistry, IIT Delhi, Hauz Khas, New Delhi-110016
Contact No.	011-26591561
Email Address (**preferred mode of contact**)	sapra@chemistry.iitd.ac.in