

Tender Number: Dir/182/Tender/Instrument/CRNN (2014) dated August 11, 2014

Tender for Chemical Fume Hood

Tenders are invited for a chemical fume hood in the synthetic chemistry laboratory. All tenders should reach to **The Director, Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, JD-2, Sector-III, Salt Lake City, Kolkata-700098** before **August 29, 2014** in one sealed envelope. The envelope should be labelled as **“Regarding Purchase of Chemical Fume Hood”**.

Required Specifications for Chemical Fume Hood with Base Storage Cabinet

Overall Fume Hood Dimension: 1800 mm L × 850 mm D × 1500 mm H [minimum].

Working Dimension: 1600 mm L × 700 mm D × 800 mm H [minimum].

Base Storage Cabinet: Provision required.

Airflow Type: For non Air Condition laboratories.

Construction and Material: Made of good quality mild steel covered with a sheet, that is chemical, heat, fire resistant and easily cleanable.

Ducting: Required [approximately 15-18 feet length], the fume extraction system should comprise a blower with dynamically balanced impeller fitted at the top of the fume chamber, PVC make ducting.

Baffle Arrangement: Airflow uniformity throughout the chamber with smooth and immediate exhaust of fumes.

Centrifugal Blower: Silent high efficiency remote blower is required. Blower capacity should be 1 H.P. 1 number or ½ H.P. 2 numbers. It should confirm international face velocity norms. The construction should be chemical and heat resistant.

Sash: Glass with opening for unobstructed usage in the fume hood.

Worktop: Table top with mild steel covered with marble, which should be chemical and heat resistant.

Sink, Tap Water, Drainage: At least one sink made of porcelain required inside the hood with inlet and outlet arrangement.

Gas Lines (Nitrogen, Argon etc): Provision required.

Lighting: Lighting system with explosion proof fluorescent lamp [40 W, 2 numbers].

Air Flow Monitor: Required and/or with provision from company for routine inspection.

Scrubber: Required.

Electrical Connections: Minimum two 15 A combined with 5 A electrical plug points, should be installed in the left and right side walls of the cabinet.

Base Storage Cabinet Type: Should be compatible for chemical storage. Proper ventilation is required. The construction should be compatible to chemicals.

For queries, please contact Dr. Prasun Mukherjee at CRNN, University of Calcutta on any working day and normal office hours before the submission of the tender documents.

Terms and Conditions

1. Only experienced suppliers (sole manufacturers or authorized distributors) should submit quotation. The submitted quotation should accompany valid documentary evidence that relates to the experience of the company in related field.
2. Please attach all technical details of the instrument and provide a list of similar installations done in India.
3. The quotation should be clearly written and the specifications of the quoted item should be properly mentioned, which should follow the points mentioned under specifications of the requested item.
4. A non-refundable charge of Rs. two thousand only (Rs. 2000/-) is applicable with the submission of the tender documents. This should be paid by demand draft payable in Kolkata, India, drawn in favour of “Centre for Research in Nanoscience and Nanotechnology, University of Calcutta”.
5. If the quotation is being submitted on behalf of a principal company, a valid authorization certificate of dealership should be submitted. The dealer should also provide a certificate stating the permission to quote the product under consideration to CRNN, University of Calcutta. Any photocopies submitted in this regard should be self attested with company stamp.
6. The company should provide valid documents related to the permanent account number, sales tax, value added tax and trade license (for the current financial year 2014-2015), with self attested photocopies and company stamp in the documents.
7. Price should be mentioned in Indian currency and include all other charges until it reaches the destination, including taxes. Installation charges (if any) should be included within the quoted price.
8. Delivery and installation time frames should be properly mentioned in the quote. The instrument should be delivered within sixty days from the date of placing the order.
9. The product under interest will be used for educational purposes. Any educational discount should be included and clearly mentioned in the quotation.
10. Quotes should be valid for at least three months.
11. Standard warranty details should be clearly explained. Minimum warranty period should be one year.
12. Payment will be made in full basis only after the successful installation and operation of the product.
13. The purchasing authority reserves the provision of minor modifications in the specifications, only if it feels as an absolute necessity.
14. The university reserves the right to accept or reject any or all the submitted quotations without assigning any reason whatsoever.