

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

An Autonomous Institution of the Department of Atomic Energy, Government of India (A Deemed University)

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Ref:TIFR/PD/CA21-105/210800

October 08, 2021

ENQUIRY

To

=> By Speed Post/Courier

The Bidders / Suppliers

Dear Sirs

Please let us have your Quotation for the following:

S.No.	Item Description	Qty	UOM
1	Laboratory Furniture in "Plinth Mounted Design" and Laboratory Bench type Fume Hoods (TIFR, Hyderabad) Technical Specifications: A),SEFA-8 standards Heavy Duty Under Cabinets Drawers B),Electrical Trunk Box - G.I construction; duly powder coated C),Electrical Sockets - Legrand or Equivalent make (6 Module Plate) SEFA-8 standards Heavy Duty Under Module, comprising of one drawer, one cabinet with shutter and adjustable height shelf. Cabinet shutter will be in double skin construction and shall be provided with heavy duty, knuckle and barrel type SS hinges and positive catch arrangement. The under module shall be fabricated out of heavy gauge special grade Galvanized Iron sheet in weldless construction and shall be finished with pure epoxy coating for extraordinary corrosion resistance. 1.,Const. Bypass type Bench Fume Hood (Size: L 1800 x D 915 x H 2300 mm) (Quantity 2) Consisting of the following: (As specified in Annexure - II) i),Fume Hood Superstructure ii),Fume Hood Worktop iii),Service Valves iv),Electrical Fittings v),Fume Hood Understructure vi),Fume Hood Under-Cabinet (Chemical Storage Purpose) vii),Accessories	2.00	NO
2	Wall Mounted Spot Extractor (Quantity 1) Premier make spot extractor in PP construction with 385 mm dia dome with ceiling bracket in CRC pipe construction with necessary provision to connect exhaust duct. - On-site welding of 1 No. spot extractor supports to ceiling chequered sheet	1.00	NO
3	PP/FRP BLOWER 3000 CFM:- 1 No. Fan for 2 Nos. Fume Hood, 1 No. Chemical Storage Cabinet 1 No. Spot Extractor (Quantity 1) - MOC - PP + FRP - Type - Direct Drive - Impeller - PP + FRP - Casing - PP + FRP - Motor - 3 HP, 3 Phase, 1440 rpm, NFLP (Crompton, Havells, Bharat Bijlee or Equivalent)	1.00	NO
4	Chemical Storage Cabinet with Glass Doors (CSC) Size: L 900 x D 450 x H 1830mm	1.00	NO

S.No.	Item Description	Qty	UOM
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(Quantity 1)

Outer body in GI epoxy powder coated construction

- Inner Skin / Baffles in 5mm Thk. PP construction sheet on shelves.

- Special arrangement for ventilation from each shelf,

- Double skin metallic with Glass doors with Lock, Butt Hinges, Positive Catche and SS handles

- 100mm dia. Duct damper in PP construction

5	Supply Installation of exhaust ducting in PP/ FRP (Round Shape) construction (3mm + 2mm) complete with necessary bends, reducers, T-connections, supports, flanges, gaskets, nut, bolts etc. (Quantity 25, unit = square meter)	1.00	NO
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NOTE :

Technical specifications as per attached Annexure B.

Please submit the quotation along with Certificate of Local Content as per attached Annexure - A duly signed and stamped on Letterhead.

Please mention your GST Registration numbers on the quotation, proforma Invoice and Bills. Quotation should indicate make, delivery period, guarantee/warranty exact taxes applicable, etc.

The payment will be made only after delivery of the supply, satisfactory installation, commissioning and performance of the item/equipment. No Advance payment will be made except in case of furnishing valid Bank Guarantee from any nationalized/scheduled bank the B. G. shall be valid till the complete delivery is made at the site.

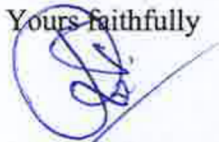
Quotation should be submitted in sealed envelope duly superscribing our enquiry reference and due date.

TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research purpose vide notification no. 47/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

Quotation sent by hand delivery / courier are to be deposited in the Tender Box kept at the Main Gate after obtaining stamp, date and signature of the Security Officer.

Due Date for submitting your offer is 18/10/2021.

Yours faithfully



J. RATHNA
Administrative Officer (D)



Specification. Annexure - B.

Laboratory Furniture in "Plinth Mounted Design" and Laboratory Bench type Fume Hoods (TIFR, Hyderabad) -

Technical Specifications:

- A) SEFA-8 standards Heavy Duty Under Cabinets & Drawers
- B) Electrical Trunk Box - G.I construction; duly powder coated
- C) Electrical Sockets - Legrand or Equivalent make (6 Module Plate)

SEFA-8 standards Heavy Duty Under Module, comprising of one drawer, one cabinet with shutter and adjustable height shelf. Cabinet shutter will be in double skin construction and shall be provided with heavy duty, knuckle and barrel type SS hinges and positive catch arrangement. The under module shall be fabricated out of heavy gauge special grade Galvanized Iron sheet in weldless construction and shall be finished with pure epoxy coating for extraordinary corrosion resistance.

1. Const. Bypass type Bench Fume Hood (Size: L 1800 x D 915 x H 2300 mm) (Quantity 2)

Consisting of the following: (As specified in Annexure - II)

- i) Fume Hood Superstructure
- ii) Fume Hood Worktop
- iii) Service Valves
- iv) Electrical Fittings
- v) Fume Hood Understructure
- vi) Fume Hood Under-Cabinet (Chemical Storage Purpose)
- vii) Accessories

2. Wall Mounted Spot Extractor (Quantity 1)

Premier make spot extractor in PP construction with 385 mm dia dome with ceiling bracket in CRC pipe construction with necessary provision to connect exhaust duct.

- On-site welding of 1 No. spot extractor supports to ceiling chequered sheet

3. PP/FRP BLOWER 3000 CFM:- 1 No. Fan for 2 Nos. Fume Hood, 1 No. Chemical Storage Cabinet & 1 No. Spot Extractor (Quantity 1)

- MOC - PP + FRP
- Type - Direct Drive
- Impeller - PP + FRP
- Casing - PP + FRP
- Motor - 3 HP, 3 Phase, 1440 rpm, NFLP (Crompton, Havells, Bharat Bijlee or Equivalent)

4. Chemical Storage Cabinet with Glass Doors (CSC) Size: L 900 x D 450 x H 1830mm (Quantity 1)

Outer body in GI epoxy powder coated construction

- Inner Skin / Baffles in 5mm Thk. PP construction sheet on shelves.
- Special arrangement for ventilation from each shelf,
- Double skin metallic with Glass doors with Lock, Butt Hinges, Positive Catche and SS handles
- 100mm dia. Duct damper in PP construction

5. Supply & Installation of exhaust ducting in PP/ FRP (Round Shape) construction (3mm + 2mm) complete with necessary bends, reducers, T-connections, supports, flanges, gaskets, nut, bolts etc. (Quantity 25, unit = square meter)

Annexure - II (6 Feet fume hood)

Technical Specification of Fume Hood

Type of Hood: Constant Bypass type Bench Fume Hood

Overall Dimension: Width 1800 x Depth 915 x Height 2300mm

Inner Dimension: Width 1600 x Depth 645 x Height 1200mm

Fume Hood Superstructure consisting of,

- Structure frame in 2.0mm thick GI construction
- Inner lining, rear baffles and top baffles in 6mm thk. Phenolic resin construction
- Outer panels in 1.2mm thick GI construction.
- Aerodynamic Shape front posts, in GI construction
- Flip-on type Airfoil in 1.6 mm thick SS construction duly Teflon coated

- Streamlined shaped exhaust duct collar in PP const.
- **Combination type**, frameless design sash in toughened glass const. with full length sash handle in anodized Al const.
- Sash movement mechanism with counter weight.
- Twin LED tube type light with fittings

Fume Hood Worktop

In Black Natural Granite construction, having raised rails on all four sides, with 1 No. oval shaped cup sink, in PP const., on left rear side.

Service Valves

Having body in forged brass const., extended spindle in Aluminum construction, color coded knobs in plastic const. angular shaped serrated nozzles, in epoxy coated forged brass const. 2.0 mtr. long flexible tubing with end fittings for following services:

Services – Tube construction

Compressed Air - PU-4
 Vacuum - SS braided Teflon Hose
 Nitrogen - PU-4
 Potable Water - Nylon braided PVC Hose

Electrical Services with internal wiring (All in NON-FLP const.)

- Controller for Blower & light (Touch Pad)
- 16A, 2 Pole MCB - Legrand or eq. Make
- 16A, 3 Phase MCB for 3 ph supply - Legrand or eq. Make
- 5/15A 3-pin Socket with switch/ MCB - Legrand or eq. Make
- 25 RMT Electrical cables for the Fume Hood to Blower connection (Qty. 25 Mtr.)

Fume Hood Understructure

Fabricated out of heavy gauge rectangular shape hollow pipes in MS construction, duly finished with corrosion resistant specialty coatings

Fume Hood Under-Cabinet (Chemical Storage Purpose)

Detachable design Chemical purpose twin cabinets fabricated out of GI sheet, consisting of,

- Special arrangement for air ventilation inside the cabinet
- Twin doors in double wall const.
- Flushed type recessed handle.
- Butt type Hinges in S.S. Const.
- 1 No. Removable shelf.
- Recessed base frame in heavy duty GI const.
- FRP Lining inside the chemical storage cabinet
- PP Tray for chemical storage
- Twin castors for easy removal of the cabinet.

Accessories

300 mm dia. Duct damper in PP const. complete with predrilled flanges on both sides, manual operation handle and extended spindle, suitable for motorized drive.

Square Type Design (Vertical + Horizontal) Scaffold Grill (1630 x 750mm) in Vertical rod design, fabricated out of 12.0mm dia., Epoxy rods, having 150mm pitch between two rods.

Ceiling Enclosure Panels in GI const; duly powder coated

Annexure - A

Certificate for Local Content

*We [name of manufacturer] hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under 'Class-I Local Supplier' Category. As being 'Class-I Local Supplier', we are eligible for Purchase Preference under 'Make in India' Policy vide Gol Order No.P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020)

OR

*We [name of manufacturer] hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and come under 'Class-II Local Supplier' Category.

The details of the location (s) at which the local value addition made is /are as under:

- 1.....
- 2.....
- 3.....

*Strike out whichever is not applicable

Date:

Seal & Signature of the Bidder

NOTE:

- Self-certification that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
- In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India policy, if applicable.