

F. No.: CDRI (NIPER)/2017-18/106/17/195

Date: 08/03/2018

Sub : Laboratory Fume Hood

Tender Enquiry No.- CDRI (NIPER)/ 2017-18/106/17/195

Date of Opening - 23/03/2018 at 03: 30 P.M

Venue: NIPER, Raebareli, Shree Bhawani Paper Mill Road, Raebareli - 229 010 (U.P.), India

Dear Sir,

This Research Institute is interested in purchasing of the items mentioned below. You are therefore requested to forward a pro-forma invoice along with your terms & conditions of supply & payment. Please provide a copy of the technical literature and the specifications of these items in a sealed envelope. Before **23/03/2018 at 03:00 P.M** at **NIPER, Raebareli, Shree Bhawani Paper Mill Road, Raebareli - 229 010 (U.P.)**

Please read carefully the terms and conditions mentioned below and submit your pro-forma invoice/quotation accordingly.

Sl. No.	Item	Qty.	Cat. No.
1	Laboratory Fume Hood, Size : 6 Feet Width with base cabinet	02	NIL
	Technical Specifications		
•	6 feet x 3 feet x 5 feet (W x D x H) fumehood having Internal width (more than 1540 mm) x Internal Height (1345 mm or more).		
•	Fumehood with lower steel frame should be mounted on H-Frame Construction & should have facility of pushed in Underbench type.		
•	Fumehood External Walls should be made of Powder Coated Steel & Internal Walls should be made of Polyresin/Phenolic Resin		
•	The Fumehood Underbench Unit should be suitable for acid storage with polypropylene internal lining, pullout shelf with polypropylene trough and underbench unit ventilation. Factory fitted service lines and connections. Minimum capacity 20Kg.		
•	The fume hood should have control valves located on side walls of fumehood. It should have atleast four Service outlets inside the fume hood mounted at the back wall so as to have maximum utilisation of working space. It should preferentially have four electrical sockets (two on each side).		
•	SASH with Counter balanced mechanism with two weights handed with toothed belt with Toothed Belt on Pulley Drives. Glass of minimum 6 mm tempered Safety Glass panel with facility to move horizontally & vertically (Combination) and shall fixed with Anti Fall device for safety.		
•	Fumehoods should be VARIABLE AIRFLOW controlled & should have digital monitor. In the event of a fault (exhaust volumetric flow too low), there should be an optical (red LED) and acoustic (buzzer) alarm. The acoustic alarm should stop automatically after a set period for alarm duration or after the alarm has been acknowledged with the QUIT key. Under normal circumstances, the correct operating state should be indicated by an LED, and excessive exhaust volumetric flow should be indicated by LED lights.		
•	Working depth i.e. Interior depth from the back of the sash to the front of the rear baffle should be not less than 650 mm. A combination sash should be provided. The sash shall have horizontal sliding glass panels made of laminated safety glass in a vertical rising & epoxy powder coated.		
•	Safety feature- The interior illumination of the fume chamber should be through a 1x40W fluorescent light fitting. The illumination should consist of a white enamelled reflector hood with a completely fitted fluorescent lamp including a light source to VDE. An acrylic glass pane with prismatic structure should be inserted as a diffuser.		
•	Fume hood work surface shall be minimum 30 mm thick GRANITE/EPOXY with raised edge, preferably 1-1/4" made to contain spillage. Replacement of the work surface must be possible without disassembling the upper part of the fume hood. A cup sink made of PP (single moulded cup sink type) inserted flush with the work surface in black colour should be provided under the cold water service outlet		
•	Fume hoods must be tested as per American Design Standard: ASHRAE110-2005 /EUROPEAN NORMS EN 14175. Fume hoods should be designed for excellent ergonomics and maximum noise and economy of operation with respect to air-conditioned lab environment.		
•	Two units of Pull out storage systems for fume hood chemicals: Minimum 8 feet height. Cabinet body shall be made of 18 mm plywood covered with 0.9 mm high pressure Laminate (HPL) on both sides with 0.5 mm PVC edging strips. Cabinet's back made of 3 mm white MDF set into grooves. Each compartment shall be supplied with five hook-on baskets. Ventilated pull-out cabinet shall be provided. Rate of air circulation should be clearly mentioned.		
•	Cabinet for storage of Acid and Alkalis for use in fume hood: Cabinet body shall be made of at least 18 mm plywood covered with at least 0.9 mm high pressure Laminate (HPL) on both sides with 0.5 mm PVC edging strips. Trays made of polypropylene. Coated fittings. Hinged doors with Handle made of aluminium diecast, U handle, stainless steel.		
•	Other Aspects		
•	DIMENSION		
•	Outer Dimensions (WXDXH) in mm 1,800 X 900 X 2,400		
•	Inner Dimensions (WXDXH) in mm 1540X 900X1345		
•	Working height in mm 900		

•	STRUCTURAL DESIGN
•	Fume hood head Unit - Casework head unit Head unit of 1.5 mm steel, powder coated.
•	Rear panel - of 5 mm polyresin.
•	Baffle - 5mm polyresin with scaffold points.
•	Side panel- Double wall steel construction with internal lining.
•	Ceiling - With dazzle-free lighting and with pressure relief.
•	Service panel- Control and electrical installation integrated into side pillar front.
•	Front Sash - Frameless and should be suspended through toothed belts.
•	Fume hood interior
•	Worktop Epoxy.
•	Internal lining 3mm Polyresin.
•	Fume hood supporting construction
•	Self-supporting underbench unit or steel frame.
•	Minimum volume flow [cfm] (m³/h) 312 (530).
•	Fume hood supporting construction - Self-supporting underbench unit or steel frame.
•	Type and measuring Standards - Type according to DIN EN 14175-2
•	Measuring according to DIN EN 14175 – 3.
•	Tested according to ASHRAE 110-2005
•	Mechanical Services - Water, Vacuum, Nitrogen, Hydrogen, Compressed Air (CA)
•	Electrical- 4 sockets

Only one offer should be given against each item of NIT. Quotations giving multiple offers are liable to be summarily rejected.

TERMS & CONDITIONS FOR BIDS

1. Technical Compliance Sheet to mention Page number in Original Manufacturer's Brochure evidencing NIPERTender Specification Compliance with page numbers in OEM Specs; highlighting compliance to ITB specs: (BIDS without this will be rejected)
2. No FREE ITEMS TO BE GIVEN outside the scope of Tender Specs.
3. Price bids must be on
 1. **FOR NIPER, Raebareli, U.P. (India)** for all Indigenous Items including all Taxes and Duties.
 2. **FCA, International Gateway Airport & CIF New Delhi Airport** (Incoterms2000) for Imports.
4. Please mention our reference number on the envelop and address all correspondence to **Director NIPER, Raebareli, Shree Bhawani Paper Mill Road, Raebareli - 229 010 (U.P.)** only.
5. Samples, if called for, shall be submitted free of charge.
6. Please attach compliance sheet showing compliance to NIPER specification with Brochure from Manufacturer (Format at Sl.No.13).
7. Performa Invoice received after due date will not be considered under any circumstances. Defective materials must be replaced on F.O.R. NIPER Stores/ DDP basis (Inco terms 2000) within 30 days of preliminary inspection and intimation to the vendor.
8. **Your Quotation must be duly stamped and reach directly to NIPER from you only. If quotation is submitted by Indian representative/agent then they must have to produce an authority certificate of principal for submitting offer against this Tender and mention Agency Commission in the Quotation.**
9. The rate quoted should be as indicated for NIPER, Raebareli including Freight, Taxes and Duties etc. The rate should include packing and forwarding charges in the case of F.O.R. Raebareli quotation, Insurance should also be covered. The goods should be insured in your favour and for all risks on warehouse to warehouse basis. Tenders not adhering to these conditions are liable for rejection.
10. Warranty period i.e. ONE YEAR AFTER Installation must be complied.
11. The offer should be valid for at least Three (03) months from the date of opening of the quotations.
12. The RATE OF SALES TAX should be clearly indicated wherever, chargeable. This office is not eligible to issue C or D. The RATE OF GST/Tax must be clearly mentioned in the offer.
13. Specific mention should be made whether the delivery will be ex-stock or will have to be **imported** or obtained from the Works and how much time will be required for delivery after receipt of the order. **The delivery time will have to be strictly adhered to in case an order is placed against your offer.** Director, NIPER reserves the right to impose penalties and recover DAMAGES FOR DELAYED DELIVERY RESULTING IN LOSS TO NIPER (Max.10%).
14. In case any of the items mentioned above is on the current rate / running contracts with, D.G.S. & D, please quote the R.C. rates, the contract reference and also send a copy of the R.C. We are eligible to draw supplies against R.C.
15. **Technical compliance Statement(Format)**

16. <u>E</u> <u>V</u> <u>a</u> <u>I</u>	Item No. (SR. No. wise)	NIPER Specification (Parameter wise)	Bid Specification of M/s.	Remarks (with printed Manufacturer Brochure (OEM))
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ation & Comparison of Bids.

Bids meeting technical parameters and evaluated as responsive will be compared as follows:

1. INDIGENOUS OFFER

FINAL LANDED COST (F.O.R. NIPER Stores) less discount including Freight, Insurance, Taxes, Packing and Forwarding shall be the basis of Evaluation.

2. IMPORTED OFFER

FOB (Gateway International Airport) Plus 20%

(Loading) to cover Customs Duty, Freight, Insurance, Bank Charges(in India), Clearing & Forwarding charges at New Delhi, and cost rate variation thus giving the total landed cost at NIPER, Stores, Lucknow will be the basis of evaluation and price comparison. Cost Rate conversion to INR will be at the Exchange rate (RBI as on Bid opening date).

17. The quotations will be opened in the presence of the representatives, if any, of the quoting firms at **03.30 P.M.** on the date mentioned above at **NIPER, Raebareli, Shree Bhawani Paper Mill Road, Raebareli - 229 010 (U.P.)**.
18. Payments for supplies will be made direct to the suppliers by crossed Cheque on the State Bank of India, CDRI BRANCH, Lucknow only after receipt/issue of the stores/Installation of Equipment in good condition.
19. The acceptance of the quotation will rest with the competent authority of NIPER, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject, or partially accept any or all the quotations received, without assigning any reason. The quotations are liable to be rejected, if any of the above conditions are not complied with. Tenderers conditions printed on the tender or otherwise sent along with the tender shall not be binding on us.
20. Pre-Installation Requirements like Civil, Piping, Electrical, Air-conditioning, Gas etc. must be clearly mentioned in your Quotation.
21. Agency Commission will be paid in INR after acceptance of supplies/installation of equipment at NIPER, Raebareil. The percentage of Agency Commission must be mentioned in the Quotation.
22. If this equipment was sold in India (preferably North India) recently then details of the Supplier.

Customer Name and Address

Item Detail

Total Purchase Order Value

Contact Person

Phone: 0535 - 2001569, 2961202

E-mail: registrar@niperraebareli.edu.in

Yours faithfully,

Deputy Registrar