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Tender Value in ₹		0.00		Product Category		Laboratory and scientific equipment	Sub category		NA	
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### NO.: PGD/CHEM/21/2540 DATED: 05.03.2021

### NOTICE INVITING TENDERS FOR THE PURCHASE OF GLOVE BOX

Offers (rates and terms & conditions) alongwith detailed literature and specifications are invited from manufacturers/authorized distributors/dealers etc. for supply of following instrument with terms and conditions mentioned below:

#### **TECHNICAL SPECIFICATIONS FOR GLOVE BOX**

S.No	Components	Specification
1.	Glove Box:	Inner Box Dimensions (mm): $900 \times 1200 \times 750 [H \times L \times W]$ or higher. All Three side welded, SS 304, Leak Rate $\leq 0.05$
		vol.%/h (ISO 10648-2). Stainless steel 304. Inside surface
		brushed finish, scratch & chemical resistant. Thickness
		3mm.Front mounted LED Light with PLC Controlled ON/OFF
2.	Day Operating Processor	facility. Automatic adjustable -5 mbar to +5 mbar. Automatic pressure
4.	Box Operating Pressure.	relief valve along with Foot pedal for Box Pressure control.
2	Front View Window:	Toughened Glass safety window Chemical& scratch resistance
3.	Front view window.	
4	Chalana	should not deform under pressure. Thickness :8mm
4.	Shelves:	Minimum Two adjustable storage shelves (SS Material)
5.	Feed Through (Leak	4 standard feed throughs (DN 40) on back wall sealed by blank
	Proof):	KF- caps Including One Electrical feed through
6.	Filters:	Inlet/Outlet 0.3-micron HEPA filters
7.	Main Antechamber:	Cylindrical (Stainless steel). Minimum Dia 370-400 mm,
		Length Minimum 600mm. Doors Anodized Aluminum
с. С		thickness 10mm. Inside Brushed Finish, spindle lock. Welded
		onto side panel. sliding tray(SS). Manual/Automatic
		Evacuation/Refills Cycles.
8.	Mini Antechamber	Cylindrical (Stainless steel) with hinged doors. Dia
		minimum150mm, Length Minimum 300mm welded onto side
		panel. Sliding form- fitting tray(SS). Manual Evacuation/
		Refills Cycles with 3-way ball valve
9.	Glove ports:	2ports, Anodized Aluminum Alloy, Dia. minimum 200mm. O-
		ring sealed against the gloves
10.	Gloves :	2 gloves. Material: Butyl gloves, Thickness: minimum 0.4mm
11.	Vacuum pump:	Rotary vane Vacuum pump or better, Oil re-circulation.
		Vacuum: 10 CFM or better. The pump ON/OFF should be

		controllable via the touch panel.					
12.	Programmatic Logic Control:	Controllable with independent and fully integrated PLC, Details of PLC and functioning should be provided. Graphical display of the box pressure, O2 and moisture levels should be available, in color, in the touch panel interface					
13.	Moisture Sensors:	Advance Ceramic sensor/Hyper Thin Film Sensor, Dew Point Range: -100 °C to + 20 °Accuracy: +/-3°C or better Repeatability - +/-0.5 °C, Measuring range: 0-3000 ppm or higher with calibration certificate National/International					
14.	Oxygen Sensors:	Fuel cell O2 analyzer, Range -0-10000 ppm (Auto range), Accuracy: +/-2% of range, Resolution: +/-0.1% of range with calibration certificate National/International					
15.	Purification Unit Regeneration:	Automatic PLC controlled with Ar/H2 Gas mixture, details to be provided.					
16.	Purification Unit:	Glove box & Purifier from single manufacturer. Capable of purity <1 ppm H2O and O2 by Circulation. removable capacity O2 Minimum 30L, H2O Minimum 1300gms or more. Purifier material: Cu Catalyst, Molecular Sieves, independent solvent absorption unit Activated Carbon Solvent trap (3.5 Kg or more), integrated with a gas circulation blower.					
17.	Blower:	Circulation Blower Minimum 45m3/hr. or Higher, Control by Manual ON/OFF					
18.	Purge:	Automatic Purge Valve with 200ltrs/min or higher Purge capacity					
19.	Tubing & Fittings	Stainless steel.					
20.	Stand:	Stand attached to Glove box, height 900-920 mm, with castors& adjustable leg support for easy moving					
21.	Power:	$240 \pm 10$ V, 50/60 Hz, details of receptacle/socket to be provided					
22.	Warranty:	Three year					
23.	Filled Gas Cylinders:	02 nos. with regulators					
24.	Gloves:	01 pair					
25.	O-ring for mini and ma chamber:	in 01 each					
26.	Weighing Balance:	Weighing balance should be quoted max. weight range 200g with the resolution of 1mg upto 3 places after the decimal					

### Terms and Conditions:

- 1. Tenders should be addressed to, "Head of the Department, Department of Chemistry, Baba Saheb Ambdekar Road, New University Campus, University of Jammu, Jammu 180 006".
- 2. Delivery of goods should be FOR Department of Chemistry, University of Jammu, Jammu.
- 3. General Sale tax/custom duty/excise/entry tax or any other tax, if any, should be clearly mentioned. Rates should be inclusive of custom clearance, insurance etc. It may kindly be noted that University of Jammu will not bear any cost/expenditure arising out of loss during transportation etc. Cost of equipment should include transportation charges and insurance charges upto FOR destination. University of Jammu is exempted from Custom Duty under DSIR registration. DSIR certificate shall be provided by the University of Jammu.
- 4. Firm shall be required to submit the End of Life of product. It shall be responsibility of the supplying firm/manufacturing firm to collect condemned instruments/its salvage whenever it is declared unserviceable/obsolete/end of life/beyond economic repair etc. Firm shall be required to submit EPR authorization issued by CPCB.
- 5. Firm shall be required to submit complete information/brochure/catalogue along with the offer.
- 6. Firm should submit an authorization certificate from principal firm for sale and service.
- 7. Concession to educational institutions, if any, should be clearly mentioned.
- 8. Products confirming to particular standards (ISO, ISI etc.) should be clearly mentioned.
- 9. In case any item is your proprietary product or if you are sole manufacturer/distributor of requisite item, a certificate to this effect should be enclosed.
- 10. It is at discretion of the competent authority to reject one/all tenders/part of tender without assigning any reason, thereof.
- 11. In case seller fails to complete in full, all deliveries of product in accordance with supply order; the seller shall be responsible for the liquidity damages. Thereafter the buyer, will have right to terminate supply order in the case of such delay beyond period mentioned by seller in the offer and buyer will have total discretion to buy product from the market/other supplier at the lowest rate.
- 12. An undertaking should be submitted by your concern that rates quoted in this offer are lowest/at par with rates quoted to other Govt./Semi-Govt. institution in the country and your concern/firm has not sold your product to any other organization in India at lowest price than the price quoted in this offer.
- 13. A user list of the institutions/organizations where the quoted equipment has been installed and working successfully must be provided.
- 14. Debarment of the bidding firms shall be governed by Rule No. 151 of GFR 2017; Ministry of Finance, GOI, as mentioned below:
  - (i) A bidder shall be debarred if he has been convicted of an offence—
    - (a) under the Prevention of Corruption Act, 1988; or

- (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.
- (ii) A bidder debarred under sub-section (i) or any successor of the bidder shall not be eligible to participate in a procurement process of any procuring entity for a period not exceeding three years commencing from the date of debarment. Department of Commerce (DGS&D) will maintain such list which will also be displayed on the website of DGS&D as well as Central Public Procurement Portal.
- (iii) A procuring entity may debar a bidder or any of its successors, from participating in any procurement process undertaken by it, for a period not exceeding two years, if it determines that the bidder has breached the code of integrity. The Ministry/Department will maintain such list which will also be displayed on their website.
- (iv) The bidder shall not be debarred unless such bidder has been given a reasonable opportunity to represent against such debarment
- 15. All the pages of soft copy of the offer should be endorsed along with the stamp/seal of the firm.
- 16. It may kindly be noted that in case a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.
- 17. Firm shall be required to submit the Bid security Declaration Form duly signed and stamped as per format attached at the end of NIT.
- 18. Successful bidders shall be required to submit performance security amounting to 03% of the quoted price pledged to the Head, Department of Chemistry, University of Jammu, Jammu in the form of bank guarantee from any of the commercial banks which should remain valid for sixty (60) days beyond the date of completion of all contractual obligations of the suppliers including warranty obligations.
- 19. Financial bids of only technically qualified tenderers shall be opened. If the Technical Bids are not in order or are deficient in some respect, the commercial bids in respect of such tenders shall not be opened.
- 20. Item must be quoted alongwith the warranty as specified in technical specifications.
- 21. Technical specifications of the required instruments/equipments/articles are given above.

Bid Security Declaration Form

Date:

\_\_\_Tender No.

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)

in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_\_ day of \_\_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)