

Tender Notification for the procurement of a Stainless steel Glovebox with two glove ports at IISc (Last Date for submission of tenders: 4<sup>th</sup> June' 2020)

REF: PH/ASIN/321/2020-21

8<sup>th</sup> May, 2020

Dear Sir/Madam,

Kindly send best/lowest quotation for the following items on **C.I.P. Bangalore basis**. The quotation should clearly indicate the terms of delivery, delivery schedule, E.D., transportation charges, if any, payment terms etc. The tender should be submitted in two separate documents - one containing the technical bid and the other containing the commercial bid. Kindly submit both the documents, duly signed, latest by 4<sup>th</sup> June' 2020 by post or email.

**Please enclose a compliance certificate along with the technical bid.**

**Specifications of Item:** Stainless steel Glovebox with two glove ports, with the following specifications:

1. Water and oxygen concentration inside glovebox (during operating conditions) < 1ppm.
2. Dimensions similar to 1200x720x900mm.
3. Polycarbonate/safety glass front screen/panel.
4. Two glove-ports of diameter 220mm (or similar) with ambi-dexterous Butyl gloves, should be appropriately sealed.
5. Manual vacuum chamber A (antechamber) on the side, stainless steel, diameter similar to 400mm, length 600mm, tray inside. A 3-way valve to allow purge-in and purge-out function should be included.
6. Mini vacuum chamber B (antechamber) on the side, stainless steel, diameter similar to 150mm, length 400mm, hinged doors, tray inside. A 3-way valve to allow purge-in and purge-out function should be included.
7. External touch-screen control panel.
8. Automatic regeneration sequence through control panel.
9. Purification filter unit for water with capacity greater than 0.8 kilogram, and for oxygen with capacity greater than 20 liters.
10. Separate high-accuracy oxygen and water content analyzers (sensors).
11. HEPA filter with rating H13 or H14 (or better).
12. Charcoal absorber for solvents, with charcoal weight greater than 1 kilogram.
13. Operation in positive pressure, with allowed differential pressure around 15 mbar.
14. Circulation unit greater than 20m<sup>3</sup>/hr.
15. Feedthroughs: 2 electrical, 1 USB-3.0
16. Height adjustable shelves (quantity 3) to be provided on the inside back wall of system.
17. 220V, 50Hz power supply.
18. 1 year warranty
19. Installation of glovebox in lab.

20. The vendor should have a track record of having previously supplied at-least three similar equipment (gloveboxes) in India in the past three years (please furnish the details). It would be desirable to provide 2-3 reference letters from customers in India.
21. Please quote cost of a) CIF-Chennai with ICD Bangalore, and b) CIP Bangalore (by air) separately.

**Options (please quote separately for each option)**

1. Cost for upgrade to 3-port glovebox (with suitable larger dimensions).
2. Electrical feedthrough inside the manual vacuum chamber A.
3. One USB-C feedthrough.
4. Gland (or cable) feedthrough inside main chamber.
5. Vacuum pump with pumping volume larger than 15 m<sup>3</sup>.
6. Cost of additional two years warranty (for a total of three years).

**Terms and conditions:**

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. The payment will preferably be through confirmed irrevocable Letter of Credit.
3. Any discount for payment terms: wire transfer in advance, should be mentioned in the quotation.
4. The lead time for the delivery of the equipment should not be more than 4-6 months from the date of receipt of our purchase order, or opening of irrevocable letter of credit (whichever is later).

Yours Sincerely,



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