

Request for quotation (RFQ) from Indian OEM or its authorized Indian Distributor for the procurement of a ventilated gas cabinet for semi-automatic handling of hazardous gases (specifically hydrogen sulfide and hydrogen selenide) (Last Date for submission of tenders: 25<sup>th</sup> June' 2021)

REF: PH/ASIN/002/2020-21

4<sup>th</sup> June, 2021

A request for quotation from Indian OEM or its authorized Indian Distributor for a gas cabinet on **FOR Bangalore basis with value quoted in INR**. The quotation should clearly indicate the terms of delivery, delivery schedule, E.D., transportation charges, if any, payment terms etc. Kindly submit the quotation latest by 25<sup>th</sup> June' 2021 by email.

With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-PP (BE-II) issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 04th June 2020, will be followed. Per this order, the government has defined a 'Class-I local supplier' as "a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%". A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%". Only 'Class-I' and 'Class-II' local suppliers are eligible to participate in this open domestic tender. Any 'Non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

Please enclose a compliance certificate along with the bid. This certificate should have a table that should describe your compliance in a "Yes" or "No" response against each of the items in the specifications listed below. If "No" the second column should state the extent of deviation. The third column should state the reasons for the deviation if any. Please enclose a compliance statement along with the technical bid. Bids with no statement of compliance will be considered invalid, and will be disqualified.

**Specifications of Item:** Ventilated gas cabinet for semi-automatic handling of hazardous gases (specifically hydrogen sulfide and hydrogen selenide) with the following specifications:


1. Space for keeping two gas cylinders of height 55 inches and diameter 9 inches (or similar). The outside dimensions of the 2-cylinder gas cabinet will be approximately 24" width x 72" height x 18" depth.
2. Material of construction of gas cabinet: All-welded, powder-coated cold rolled (CRS) steel (or better).
3. Semi-automatic gas handling for one hazardous gas cylinder with more detailed specifications below.
4. One 5-valve semi-automatic gas panel to handle hazardous gas, and automatic shut-off.
5. Automatic shut-off capability: emergency shut-off valve at the inlet pneumatically operated with external solenoid, upon external event (gas detection or fire sensor trip).
6. Manual purge capability.
7. Semi-automatic controller of cabinet and gas panel. Controllers will be mounted on top of the gas cabinet.
8. Pressure monitoring via gauge or other means.

9. Excess flow switch.
10. Venturi vacuum generator or similar, to enable ventilation. Nitrogen will be provided to feed the venturi on the gas panels, feed the pneumatic supply on the controllers and serve as a purge gas.
11. Airflow in gas cabinet should be designed to meet the minimum air velocity requirements across the face of the access port. Static pressure at the exhaust duct  $\sim 0.15$ " water, and airflow  $\sim 160$  SCFM.
12. All access ports and doors should be self-closing and lockable. Gaskets should be provided on all doors and windows to control airflow: lockable wire window, automatic door closure and adjustable air inlet louvers.
13. Sprinkler head should be mounted in the gas cabinet for connection to external water supply.
14. At-least a 6" diameter exhaust duct that extends 4" from the top of the gas cabinet.
15. Gas cabinet and panels should be SEMI S2 approved. A copy of SEMI S2 certificate for the particular model being supplied must be included in the quote.
16. Working voltage: 220V, 50Hz.
17. All gas cabinets should meet or exceed all provisions of the Uniform Fire Code.
18. Warranty:  $\geq 1$  year.
19. The vendor/principal should have a track record of having previously supplied and installed at least 20 similar equipment (ventilated gas cabinet for semi-automatic handling of hazardous gas) in India in the past five years (please furnish the details). It would be desirable to provide 2-3 reference letters from customers in India.
20. Please include pictures of exact model being offered.

**Terms and conditions:**

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. Quote to be from Indian OEM or its authorized Indian Distributor and in commercial terms quote should be FOR-IISc Bangalore basis in INR.
3. The payment will be through "net 30 days after delivery and installation" for domestic purchases, and advance payment/LC for foreign purchases as per IISc rules.
4. The lead time for the delivery of the equipment should not be more than 3-4 months from the date of receipt of our purchase order
5. The offer shall be valid at-least 60 days from the date of opening of the bid.
6. The vendors quoting should ideally be registered with IISc, and the quote should ideally carry the vendor registration number in the bid.
7. The covering letter in the bid should clearly mention whether the vendor is a 'Class I' local supplier or a 'Class II' local supplier, failing which the vendor will be automatically disqualified. The vendor should indicate the percentage of the local content and provide self-certification that the items offered meet the minimum local content requirement. They should also give details of the location(s) at which the local value addition was made. Any 'Non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

Yours sincerely,

 Akshay Singh