

Department of Materials Science and Engineering

Enquiry Number: IITK/MSE/VV/3 (Revised)

Date: 12/07/2018

We are interested to purchase “**Liquid nitrogen cryo cylinder**” for. The proposed equipment should comply with or be better than each of the specifications mentioned in the Technical Specifications Section. Please carefully note and comply with the following instructions. If any of the instructions are not followed, the submitted bid will be disqualified.

1. Please submit your bids in two separate envelopes named “Technical Bid” and “Price bid”. The Technical bid should contain the detailed technical specifications of the proposed equipment, photographs and other accessories offered. The Technical Bid should not contain any prices. The Price Bid should contain the technical specifications as well as prices in details.
2. The “Technical Bid” should contain one “Technical Compliance” statement, each page of which should have signature and seal of the prospective supplier. In this statement, each of the specifications mentioned in the Technical Specification should be re-written and the value (or range wherever applicable) offered in the proposed machine for the given specification should be specifically mentioned. This should be followed by stating whether the offered machine complies or does not comply with the concerned specification. Please mention the value of your product as per attached catalogue with the quotation(do not copy and paste of tender specification). If value offered by proposed equipment for any of the asked specification is not specified or comply/does-not-comply for each specification not specified or any ambiguity is left in the specifications, the bid will be disqualified.
3. The prospective supplier should be either original manufacturer or 100% subsidiary or authorized agent of the original manufacturer of the offered machine. The Technical Bid should contain an original certificate obtained from the principal company to this effect.
4. Warranty period should be clearly mentioned and more than one year warranty will be given extra credit during technical comparison. In IIT system we are not prefer advance payment, so payment after the installation will be also given extra credit.
5. The prospective supplier should have supplied the offered cylinder to at least 3 government or government-affiliated institutes, which should be either an IIT, IISc, NIT or a national laboratory like NML, NCL etc. The list of such personals having this machine and their contacts should be included in the Technical Bid.
6. Each of the envelopes should be appropriately marked as either “Technical Bid” or “Price Bid”. Enclose the two sealed envelopes in another bigger sealed envelope and send it to the address mentioned below.
7. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%). Prices quoted should be FOB (indicating port of shipment) and CIF (IIT Kanpur) values separately if requires import.
8. Institute is exempted from payment of Excise Duty under notification No. 10/97.
9. The bids should reach the undersigned before 12 pm on 24/07/2018.

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Technical specifications

- International standard, leak proof, Liquid Nitrogen cryo-storage system that allows quick, efficient sample retrieval with maximum storage capacity up to 2,000 sample vials (2.0 mL) combined with minimum liquid nitrogen consumption/evaporation.
- Capacity: 70 Litres or more
- Suitable and safe rack system for holding cyro-boxes.
- Excellent temperature uniformity
- Advanced vacuum insulation to minimize liquid nitrogen evaporation
- Visible and audible alarm that sounds when nitrogen level falls below safe range
- Static holding time: 110 Days or more
- Daily evaporation: 0.6 – 0.8 L/day or less
- Neck Diameter : 210 - 220 mm