

No. PGD/Chem/15/1028-29 dated 16-12-2015

**SHORT TERM RE-TENDER NOTICE FOR THE PURCHASE OF LIQUID  
NITROGEN PLANT & ICE FLAKING MACHINE**

Sealed offers (rates and terms & conditions) alongwith detailed literature and specifications are invited from manufacturers/authorized distributors/dealers etc. for supply of "**Liquid Nitrogen Plant & Ice Flaking Machine**" with following 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 and price quoted should be FOR Department of Chemistry, University of Jammu.
3. Rate should be valid upto 30<sup>th</sup> June, 2016.
4. Sale tax/custom duty/excise/entry tax or any other tax, if any, should be clearly mentioned.
5. Concession to educational institutions, if any, should be clearly mentioned.
6. Products conforming to particular standards (ISO, ISI etc.) should be clearly mentioned.
7. 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.
8. In case company/firm is registered with DGS&D/any other Government organization/undertaking and contracts awarded; should be clearly mentioned.
9. It is at discretion of the competent authority to reject one/all tenders/part of tender without assigning any reason, thereof.
10. 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.
11. 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. 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.
12. **Tenders are invited under two bid system**  
The supplier shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents mentioned below (a),(b),(c),(d) and sealed.



- (a) Income-Tax clearance certificate from the Income-Tax Officer concerned, certifying that the tenderer has cleared all the Income-Tax dues.
- (b) The names of the organizations and laboratories to which similar equipment have been supplied.
- (c) VAT Registration No.
- (d) Technical specifications offered by the supplier.

The second envelope (Commercial Bid) shall contain the Schedule, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Each page of the tender shall be signed in full and stamped with the seal by the supplier. Both the envelopes then should be put together, and shall be sealed in a third envelope which should be marked as, "**Quotation for Liquid Nitrogen Plant**" and "**Ice Flaking Machine**" alongwith enquiry number and date. The Technical Bid shall be opened first in the presence of tenderers who would like to be present during tender opening session. **The Technical Documents shall be opened in the office of the Head, Department of Chemistry, University of Jammu, in the Department of Chemistry, University of Jammu at 11:00 am on 29.12.2015.** 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 and shall be returned back to the tenderer. The date and time of opening the Financial bids shall be announced immediately after opening all the Technical bids.

***NOTE:** Tenders should be submitted in the separate envelopes for each item in two bid system stating the name of the item on cover.*

13. The delivery, installation and operational training of the instruments/equipment should be completed within 3 months from placing of the order in case of the imported equipment and within 2 months if the instrument/equipment is made in India. No extension shall be granted to the contractors/suppliers for the period of delivery, under any circumstances.
14. Best and final offer (Rates/Catalogues) alongwith requisite information should reach aforementioned address on or before **28.12.2015, within working hours (09:30 am to 05:00 pm) of University of Jammu.** In case of holiday on the last day, next working day will be taken into consideration.
15. System must be quoted alongwith the warranty as specified in technical specifications.
16. Technical specifications of the required instruments/equipments/articles are given herein:

#### **TECHNICAL SPECIFICATIONS FOR LIQUID NITROGEN PLANT**

1. Liquid nitrogen production capacity: 2.5 litres per hour (60 litres per day)
2. Nitrogen purity: 99%



3. Nitrogen gas generator: PSA based
  4. Liquid tank capacity: 200 litres total, cryogenically insulated
  5. Liquid vessel pressure: around 0.3 to 1 Bar
  6. Automation : fully automatic with standby mode whenever liquid tank fills up.
  7. Power supply: 400V, 3 phase, 50Hz
  8. Cooling system: air cooled system
  9. Warranty: full five year warranty on whole equipment including spares & consumables
  10. Maintenance and full technical support for smooth running of Liquid Nitrogen Plant for 5 years.
  11. Modular compact cabinet unit with Human Machine Interaction (HMI) screen for process display.
  12. Number of units of quoted equipments supplied in last 2 years. The copy of supply order/s should be attached along with offer.
  13. Noise level should be less than 70db.
  14. Brochure, model number and literature of quoted equipment should be submitted along with the offer.
  15. Scope of supply
    - a) Air compressor with motor & accessories
    - b) Gaseous nitrogen generator
    - c) Cryo-generator with liquid nitrogen tank
    - d) Electrical panel with PLC
    - e) Electrical cabling, piping to be included within the package
    - f) Installation and commissioning at site
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#### **TECHNICAL SPECIFICATIONS FOR ICE FLAKING MACHINE**

1. Capacity: 80 KGS/24HRS
  2. Mounting Floor Standing
  3. Ice Storage Bin: Built in 11 Kg
  4. Flakes: Provided
  5. Should be supplied with suitable servo voltage stabilizer
  6. Air cooled, stainless steel, adjustable feet.
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*Deep*