



# जवाहरलाल नेहरु उन्नत वैज्ञानिक अनुसंधान केन्द्र

(मान्यता प्राप्त विश्वविद्यालय)

**JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH**

(A Deemed University)

जक्कूर, बेंगलूर - 560 064, भारत / Jakkur, Bengaluru - 560 064. INDIA

विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार / Department of Science & Technology, Government of India

JNC/TRC/KS/4395/2016-2017/FE

14/12/2016

## Request for Quotation

### Sub: Procurement of Low Temperature Freezer (Vertical type)

JNCASR is interested to procure one number of Low Temperature Freezer (Vertical type) as per broad specifications shown in Annexure – I. You may send Technical specifications of the system you would be proposing as well as commercial aspects of the same in single sealed cover addressed to the Senior Stores & Purchase Officer, JNCASR, Bangalore 560 064 with a superscription of the RFQ # JNC/TRC/KS/4395/2016-2017/FE and date on or before 4.00.P.M. on **30.12.2016**. Please indicate taxes and duties, delivery schedules, after sales support and any other technical information in support of your offer.

### JNCASR Payment terms:-

1. 100% Letter of Credit
2. 90% against documents through Bank
3. 10% against installation and commissioning and on submission of 10% Performance Bank guarantee valid for one year from the date of installation and acceptance.
4. Warranty minimum two years from the date of supply/installation/acceptance.
5. Delivery within eight weeks from the date of LC opening.
6. Mode of shipment FCA basis under INCO Terms 2010.
7. Installation and training must be carried out free of cost.
8. Bids submitted by vendors with very poor after sales service record at JNCASR will not be considered. To establish this JNCASR may review the services with reference to the service rendered by various suppliers at this Centre and at similar institutions.
9. Please note that JNCASR is exempted from Central Excise Duty under Government Notification No. 10/97 and Customs Duty under Government Notification No. 51/96.

  
(K. Bhaskara Rao)

Senior Stores & Purchase Officer.

जक्कूर, बेंगलूर - 560 064, भारत / Jakkur P.O, Bengaluru - 560 064. INDIA

Ph: Off: (080) 2208 2750 / 2755 ☐ Fax: (080) 2208 2784 ☐ E-mail: [purchase@jncasr.ac.in](mailto:purchase@jncasr.ac.in) ☐ Website: <http://www.jncasr.ac.in>



## SPECIFICATION FOR ULTRA LOW TEMPERATURE FREEZER (VERTICAL TYPE)

The Microprocessor Controlled Ultra low Temp. Freezer (Vertical type) should have the following features:

- Should have Programmable Temp. Range from  $-50^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$  in increment of  $1^{\circ}\text{C}$ .
- Freezer capacity should be 400 - 450 liter
- Should have Pull down Time: 5.7Hrs.
- Power consumption should not be more than: 525 watts/ 11.60Kwh per day
- Should have system Monitoring & Reporting Technology Software built -In for fault diagnosis or set point variance
- Freezer body should be made of Polished 304L SS Interiors
- Should have two Pass-through Access Ports
- Should have 5.1" Polyurethane foam Insulation
- Should have heated air Vent to prevent vacuum formation
- Should have Non- Volatile memory & Auto re-start.
- Should have Battery Backup
- Should have 4-digit password protection for temp. & alarm set-points.
- Should have Lockable security plates
- Should have Five Compartments with four adjustable height SS shelves
- Should have door latch with Positive, single-handed cam action latch with lock.
- The system should have option with the soft ware to control & monitor up to 30 freezers simultaneously.
- Noise Level less than 50 Decibel
- Should have optional  $\text{CO}_2$  and  $\text{LN}_2$  backup systems
- The Freezer should be Audible and Visual Alarms facility for the indication of high and low temperature conditions, power failure, low battery and also Automatic Restart with non - volatile memory ,returns set points to user programmed levels after power interrupt.
- CFC Free and HCFC free refrigerants with biodegradable oil compressor.
- Suitable stabilizer

*[Handwritten signature]*  
14/12/16

5. भास्करा राव / K. BHASKARA RAO  
इंडर एवं क्रय अधिकारी / SR. STORES & PURCHASE OFFICER  
आर. लाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र  
JAWHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH  
जक्कुर, बंगलूर - 560 064 / JAKKUR, BANGALORE - 560 064.