



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 P.O., Bangalore - 560 064. INDIA

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

JNC/DST/SERB/2015-2016/FE

22/09/2015

Request for Quotation

Sub: Procurement of High Temperature 800K Interface Cryostat.

JNCASR is interested to procure High Temperature 800K Interface Cryostat as per the broad specifications shown in Annexure – I . You may send the Technical specifications of the system you would be proposing and the commercial aspects of the same in two separate sealed covers on or before 4.00.P.M. on **05.10.2015**. A Technical committee of the Centre will evaluate the technical configurations and shortlist the Vendors for further considerations. If required a Techno-Commercial Meeting will be arranged with the shortlisted Vendors. For short listing the Vendor we consider both technical features and commercial advantages.

You may send the technical and commercial bids in two separately sealed covers addressed to the **Stores & Purchase Officer, JNCASR, Bangalore 560 064**. 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, subject to 3(a).
- 3(a) 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.

(Dr. P. Chiranjeevi)
Stores & Purchase Officer.



ANNEXURE-1

1. Cooling technology – Closed Cycle Cryocooler
2. Temperature range – 4.2-800 K
3. Temperature stability - 0.1 K
4. Cooling down to 4 K within 100 minutes from room temperature
5. Cryogen free
6. Fully customizable (can be used the optical windows for other spectroscopy measurements)
7. 4K cold head (0.2 @ 4.2 K)
8. Custom made temperature sensor configuration
9. Window materials upgradable
10. Multiple optical access points
11. Sample holder upgradable
12. Temperature controller
13. Compatible with any commercial turbo pump (eg: Pfeiffer, Agilent, Edwards)
14. Compatible with both air and water compressors
15. Can operate in any orientation
16. Easily mountable in a optical bench
17. Compatible for the resistivity, Hall, specific heat, magnetic, seebeck measurements
18. Sample holder for electrical and optical measurements
19. In-built or custom made electrical wiring for the resistivity and other measurements
20. Bladder option to control the helium expansion
21. Stable stand to hold the machine
22. Heater to heat upto 800 K with control and sample sensors

डॉ. पी. चिरंजीवी / Dr P. Chiranjeevi
प्रभारी, भंडार एवं क्रय / In-Charge, Stores & Purchase
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