

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/PUR/CPMU/CIF/2016-2017/FE

03/02/2017

Request for Quotation

Sub: Procurement of Modular Fluorescence Spectrofluorometer.

JNCASR is interested to procure one number of Modular Fluorescence Spectrofluorometer as per 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 17.2.2017**. 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 both technical features and commercial advantages will be considered. You may send the technical and commercial bids in two separately sealed covers addressed to the **Senior Stores & Purchase Officer, JNCASR, Bangalore 560 064** with a superscription of the RFQ # JNC/PUR/CPMU/CIF/2016-2017/FE and date. Please indicate taxes and duties, delivery schedules, after sales support and any other technical information in support of your offer.

Other Terms & Conditions:-

1. Irrevocable Letter of Credit. 90% against supply, balance 10% against installation/acceptance and submission of Performance Bank Guarantee of 10% of Purchase value valid for one year from date of installation.
2. Warranty: Two years.
3. Installation and training must be carried out free of cost.
4. Delivery within six weeks from the date of Purchase Order. Liquidated damages will be levied for the delayed supplies as per Rules.
5. Mode of shipment FCA basis under INCO Terms 2010.
6. 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.
7. Technical cover should have all the technical details in the form of brochures, catalogues/published data for the tendered specifications. Further a compliance sheet for the specifications should be provided. All the commercial terms and conditions also should be part of this cover. A copy of the bill of materials without the price information also to be part of technical bid.
8. 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.

के. भास्करा राव / K. BHASKARA RAO

ज्येष्ठ भंडार एवं क्रय अधिकारी / SR. STORES & PURCHASE OFFICER

जवाहरलाल नेहरु उन्नत वैज्ञानिक अनुसंधान केन्द्र

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

TENDER SPECIFICATION FOR MODULAR FLUORESCENCE SPECTROMETER

1. Modular Research Spectrofluorometer with 450W or better ozone free Xe source with power supply unit should be offered.

Excitation Channel :

2. A double grating Czerny-Turner excitation spectrometer or with better design with 1200 g/mm gratings blazed at 300-350nm or better.

3. Emission Channel :

A Single grating Czerny-Turner spectrometer or better design with 1200 g/mm blazed at 500-550 nm for measuring emission up to 850nm should be offered.

3. The System should have continuously adjustable entrance and exit slits operated under computer control, photodiode reference detector, and excitation shutter, photon counting electronics and controlling software.
4. It is mandatory that optics in the spectrofluorometer system should be mirror based and system should be modular.
5. Signal to noise ratio : 15,000:1 or better
6. Wavelength Accuracy: minimum +/- 0.5 nm or better
7. One number of 4mL liquid cuvette, one number of Solid Sample Holder designed for viewing front-face fluorescence of thin films, powders, pellets, paper, fibers and microscopic slides having variable alignment angle should be offered. Solid sample holder accessory which allows front-face viewing option with swing-away mirror which allows researcher to switch between front-face and right-angle detection instantly should also be offered.
8. Suitable order sorting filters in the range of 370nm, 399nm, 450nm, 500nm and 550nm along with holders should be offered as optional.
9. Computer with Software for data collection, analysis and system control should be offered.
10. A branded desktop with software for fluorescence analysis should be offered.
11. Warranty - 2 Years
12. The system should be future upgradeable in the field itself for,
 - a) TCPSC and Time resolved micro second measurements with suitable excitation sources.
 - b) Temperature controlled measurements
 - c) Automated Polarizers for Anisotropy measurements
 - d) Quantum yield measurements
 - e) Phosphorescence measurements
 - f) NIR up-gradation with suitable detectors
13. A detailed compliance statement about your offer with respect to above mentioned tender specification should be enclosed with the technical documents.

Training - Onsite training has to be arranged by the vendor. The vendor should have a trained service engineer in Bangalore.

Training should include operation, software applications, analysis, handling and maintenance of system. **System should operate single phase**

