



**P. G. DEPARTMENT OF CHEMISTRY
NORTH ORISSA UNIVERSITY**

Sriram Chandra Vihar, Takatpur, Baripada-757 003, Odisha, India

Website: www.nou.nic.in

(DST-FIST and UGC-DRS Supported)

No. 2536/chem./NOU

Date: 14.3.2020

TENDER CALL NOTICE

Sealed tenders are invited from registered manufacturers/authorized dealers/ Order suppliers having valid GSTIN, Income Tax clearance, PAN Card for purchase and supply of Fluorescence Spectrophotometer, under **DST-FIST Programme** of the Department of Chemistry along with earnest money deposit(EMD) of Rs. 5000/- or 1% (whichever is higher) of the total cost of the equipment (refundable) in the shape of DD .The details of the tender paper along with the terms and conditions shall be obtained on payment of Rs.200/- (Non refundable) in the shape of DD from the Programme Coordinator, DST-FIST, Department of Chemistry, North Orissa University during the office hours on all working days (or can be downloaded from www.nou.nic.in). All DD should be made in favour of Programme Coordinator, DST-FIST, Department of Chemistry, North Orissa University, payable at Baripada. The Tender papers will be opened on Dt.07.4.2020 at 11.30 AM.

The details of specification of items/ equipments are as follows:

1. Fluorescence Spectrophotometer

Specifications:

1. Monochromator Czerny-Turner or equivalent
2. Source Pulsed Xenon lamp. The source should be on only during sample reading to avoid continuous exposure causing photo-degradation of sensitive samples. Peak power equivalent to 75 kW.& long life System must have room light immunity to sample compartment for smooth analysis
3. Grating Excitation: 1200 lines/mm, blazed at 370 nm
Emission: 1200 lines/mm, blazed at 440 nm
4. High performance PMT
5. Spectral bandwidth Excitation and Emission: 1.5 – 20 nm
6. Sensitivity Raman Band of water: > 500:1 RMS, 500 nm excitation > 750:1 RMS, 350 nm excitation
7. Resolution 1.5 nm Filters Excitation: computer selectable including 2 bandpass, 2 cutoff, a shutter and open beam position

8. Wavelength range 190-1100 nm
9. Wavelength accuracy ± 1.5 nm
10. Should provide user friendly software which must operate on Microsoft Windows XP.
11. The system must include minimum two quartz cuvettes.
Sensitivity-detect picomolar amounts of fluoresce in both standard and micro cuvettes
12. The system must equip with a solid sample holder and a liquid sample holder for the measurement of both solid and liquid samples.
13. The system must equip with anisotropic set up with manual polariser.
14. The system must equip with temperature controller assembly with peltier.
15. Room light immunity is preferred as per our application requirement.
16. Warranty –3 years from the date of installation
17. Must have to operate in Indian standard condition (220- 240 V and 50 Hz)

Accessories:

1. Suitable on-line UPS with 60 minutes power back-up
2. Branded and good quality suitable PC with B/W laser jet printer

Terms and Conditions for the Instrument

1. Due regard shall be given to the following factors in addition to the evaluated price of the material under consideration.
 - i. Efficiency and running cost
 - ii. Durability of material
 - iii. Reliability and guarantee of quality
 - iv. Necessity of repairs and alterations
 - v. Technical qualifications, financial standing and general reputations of the manufacturer/ supplier
2. Orders will be placed by us when required.
3. Delivery should be made within 04 to 06 weeks from the date of receiving the order failing which penalty @1% of the order will be imposed for each week of delay or part there of.
4. The rate finalized by this tender shall remain valid ordinarily during the financial year. However North Orissa University reserves the right to go in form fresh tenders on the basis of the market condition.
5. Payment will be made after successful installation and demonstration of the equipments.
6. Financial bids will be considered only after fulfilling the technical bids.
7. Free delivery at North Orissa University by the supplier.
8. Warranty for three years and annual maintenance cost after 3 years to be mentioned.
9. After sales service to be provided by the bidder.

10. Free Training/ Demonstration of the Equipments.
11. High quality/ branded Equipments are required for research purpose.
12. Party should offer AMC charges after expiry of standard warranty periods as mentioned in different instruments
13. Programme co-ordinator has the rights to cancel the tender without citing any reason.