



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING
EDUCATION CELL
NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769008, ODISHA**

Advertised Tender Enquiry

Tender Notice No: NITR/PW/BM/2019/99

Date: 27/02/2019

Department: Biotechnology and Medical Engineering

To

Important Dates

| Event | Date | Time |
|--------------------------------|-------------------|-----------------|
| Pre-bid Conference | NA | NA |
| Last date of submission of bid | 27/03/2019 | 11:00 AM |
| Opening date of technical Bid | 28/03/2019 | 11:00 AM |

Through

**CPP Portal
(E-procurement)**

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

For any clarification

Principal Investigator: Dr. Nandini Sarkar
Department of Biotechnology and Medical Engg.
National Institute of Technology Rourkela
Rourkela– 769 008, Odisha, India.
Phone No. : 0661- 2462293
FAX No.0661-2462281

Yours sincerely,

Name: Dr. Nandini Sarkar
Principal Investigator:
Project Code: NITR/SR/18/BM/051

Encl:

- 1. Schedule of requirement, specifications, dates etc.**
- 2. Bid document containing detail terms and conditions.**

1. Schedule of requirements

| Sl. No. | Description of Goods/Service | Quantity |
|---------|---|----------|
| 01. | Fluorescence Spectrophotometer (Detailed specification as per attached Annexure – I) | 01 unit |

2. Specifications and allied Technical Details

* Attach User list along with the quotation

3. Format of Quotation (tick appropriate box)

It is a two-part bid with separate technical and price bids.

4. The bid should be submitted through <https://eprocure.gov.in/eprocure/app>

5. Quotations should be valid for a period of **90** days from the closing date of the bid.

6. Some important dates:

| Event | Date | Time |
|----------------------------------|-------------------|-----------------|
| Pre-bid Conference | NA | NA |
| Last date of submission of bid | 27/03/2019 | 11:00 AM |
| Date of opening of technical Bid | 28/03/2019 | 11:00 AM |

7. **Warranty** of **01** year must be provided from the date of installation.

8. **GST:** GST should be charge according to applicable rates.

9. **Bid Security and Tender Cost:** Bid Security in shape of DD (Demand Draft) for **INR 32,000/-** (Rupees Thirty Two Thousand Only) and Tender Cost (Non refundable) in the form of DD for **INR 500/-** (Rupees Five Hundred Only) in favor of **Director, NIT Rourkela Payable at Rourkela** from any Scheduled Commercial Bank except Co-operative and Gramin bank. DD for the Bid-Security should remain valid for a period of 45 days beyond the bid validity period from the date of opening of bids. Bid security of unsuccessful bidders should be returned to them at the earliest and latest on or before the 30th days after the award of the contract. EMD (Earnest Money Deposut) and Tender Cost should reach physically through speed post/ register post/courier, containing in an envelope & superscripted with subject, tender reference number addressing to **Registrar, NIT Rourkela- 769008, Odisha; Attention HOD (BM) on or before 28/03/2019 at 11:00 AM.**

10. **Performance Security:** Rs 80,000/- (Rupees Eighty Thousand Only) in shape of Bank Guarantee/Demand Draft (DD) in favor of Director, NIT Rourkela payable at Rourkela from any Scheduled Commercial Bank except Co-operative and Gramin bank. Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligation. And EMD (Earnest Money Deposit) amount of successful bidder will be returned after the receipt of performance security in case of award of contract to successful bidder.

11. Please go through the enclosed "bid document" carefully for other bidding instructions.

12. Please send your quotations through <https://eprocure.gov.in/eprocure/app>

13. For technical details, you may contact

Dr. Nandini Sarkar

Principal Investigator:

Project Code: NITR/SR/18/BM/051

Department of Biotechnology and Medical Engineering,

National Institute of Technology,

Rourkela – 769 008

Phone: 0661 – 2462293

NB: ***Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable)***



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BID DOCUMENT

1. Instructions to the bidders

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769 008, Orissa, from the intending bidders for supply of the goods/stores/equipments for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote their offer/rates in **BOQ** in clear terms without ambiguity.
- 1.3 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.4 The last date for receipt of the bid is marked in the enquiry.
- 1.5 The bids should be uploaded in <https://eprocure.gov.in/eprocure/app> Please follow the guidelines of the site.
- 1.6 If a prospective bidder requires any clarification in regard to the bidding documents, he may make a request the concerned officer or faculty member at least 15 days before the deadline for receipt of bids.
- 1.7 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.8 (In respect of high value plant, machinery etc. of a complex and technical nature). The bids may be submitted in two parts, viz., technical bid and financial bid.
- 1.9 The bidder has to sign in full at all pages of the scanned part of the bidding document. No over-writing in those pages is acceptable.

2. Conditions of the bid

- 2.1 The rates quoted should preferably be net, inclusive of packing, forwarding, freight, Insurance and all other incidental charges excluding taxes. In case these charges are quoted extra in addition to the quoted rates, the amount thereof or Ad Valorem rate must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are reimbursable at actual. If external agencies are employed, their receipts must be enclosed with the invoice.
- 2.2 Duties and Taxes are to be quoted separately. Ad Valorem rates thereof should be clearly indicated with reference to the relevant Acts and Rules.

It may be noted that the Institute is availing custom duty exemption in terms of notification no 51/96- Customs dt. 23.07.1996, Notification no.- 47/2017- Integrated Tax (Rate) dt. 14.11.2017 and Notification No.- 45/2017- Central Tax (Rate) dt. 14.11.2017 [vid Registration No.: TU/V/RG-CDE (227)/2016, dated: 13.11.2018]

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be reached within **60 days** from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.

- 2.4 The bid should remain valid for a period of **90 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in **Annexure - I**.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.9 If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT, Rourkela to recover liquidated damage from the firm at the rate of 1 percent of the value of undelivered goods per month or part thereof, subject to a maximum of 5 percent of the value of undelivered goods. Alternatively, it will also be opened to the Director, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.10 The successful bidder may be required to execute a contract, where applicable.
- 2.11 The bidder has to furnish up to date GST and Income Tax Clearance Certificate along with the bid.
- 2.12 Payment (*100 percent*) will be made by Account Payee Cheque/Bank Draft, within 30 days from the date of receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, where applicable, whichever is later/latest.
- 2.13 In case of Advance payment, the payment will be made on either in Foreign Demand Draft or Wire Transfer only. The proforma invoice copy need to be sent for advance payment.
- 2.14 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT, Rourkela shall be final.
- 2.15 The bid document/resultant contract will be interpreted under Indian Laws.

Specification for Fluorescence Spectrophotometer

Technical Specifications

Application:

To measure fluorescence and absorbance spectra of samples.

System:

The system should be with the following features:

| Functional Specifications | | |
|----------------------------------|--|--|
| 1. | The system should be two-in-one Fluorescence and Absorbance Spectrometer | |
| 2. | The instrument must be capable to plot Absorbance / Transmittance Excitation Emission Matrix (A-TEEM). | |
| 3. | Instrument Software should include data and results of fitting / processing of different acquisition parameters like excitation spectra, emission spectra, absorbance / transmission spectra etc; Full method details 2D/3D graphs; Instrument and user identification information; Full data and method traceability. | |
| 4. | The instrument must have facility of acquiring simultaneously fluorescence data at right angle and absorbance data at straight line through the sample (two specialized individual detectors for simultaneous absorbance and fluorescence measurement). | |
| 5. | The instrument must be a continuous Xenon arc lamp based system for highest sensitivity. | |
| 6. | The instrument must have in-built excitation and emission cut-off filters for automated elimination of second order light. | |
| 7. | The system must have Automatic Inner Filter Effect (IFE) Correction for quantitative fluorescence measurements at higher sample concentrations | |
| 8. | The system should have standard cuvette holder and 2 nos. cuvettes should be supplied | |
| 9. | The system should be supplied with suitable computer with preloaded software | |
| Technical Details | | |
| 1. | Wavelength Range for UV-Vis-NIR Fluorescence | 250 nm to 1100 nm or better |
| 2. | Wavelength Range for Absorbance | 250 nm to 1100 nm or better |
| 3. | Fluorescence Sensitivity | Water Raman SNR > 6,000:1 RMS or better, 350 nm Excitation, 5 nm slit |
| 4. | Spectral Acquisition Rate | 500,000 nm/min or better |
| 5. | Fluorescence Bandwidth | At least 1, 2, 3, 5, 10, 20 nm (excitation and emission, both channel) |
| 6. | Light Source | 75W Xenon Arc Lamp or better |
| 7. | Fluorescence Detector | CCD / Spectrograph |
| 8. | Absorbance Bandwidth | At least 1, 2, 3, 5, 10 20 nm |
| 9. | Absorbance Range | 0 to 2 Abs or better |
| 10. | Absorbance Accuracy | ± 0.02 Abs or better |
| 11. | Wavelength Accuracy | ± 1 nm |
