



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY AND  
CONSULTANCY EDUCATION CELL  
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA**

**Advertised Tender Enquiry**

**Department: Life Science**

**Tender Notice No: NITR/PW/LS/2018/44**

**Date: 08/08/2018**

Through

**Important Dates**

CPP Portal

(E-procurement)

<b>Event</b>	<b>Date</b>	<b>Time</b>
Pre-bid Conference	<b>NA</b>	<b>NA</b>
Last Date of submission of bid	<b>30/08/2018</b>	<b>11:00 AM</b>
Date of Opening of Technical Bid	<b>31/08/2018</b>	<b>11:00 AM</b>

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:

Attention: - Prof. Sujit Kumar Bhutia  
Department of Life Science  
National Institute of Technology  
Rourkela – 769 008, Odisha  
**Phone: - 0661- 2462686**  
**Mobile no- +91 8895360221**  
**Email: [sujitb@nitrkl.ac.in](mailto:sujitb@nitrkl.ac.in)**

Yours sincerely,

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Name: Prof. SK Bhutia  
Principal Investigator

**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
1.	<p><b>Fluorescence Plate Reader</b></p> <p><b>General Specifications:</b></p> <ul style="list-style-type: none"> <li>• Microplate reader with detection modes Standard fluorescence intensity, TRF, Luminescence &amp; UV-Visible absorbance included</li> <li>• Should be possible to upgrade to TR-FRET, Fluorescence Polarization &amp; Alphascreen assays on the same system</li> <li>• Measurement Modes like Endpoint and Kinetic measurements, Sequential Multi Excitation measurements / Multi Emission measurements,</li> <li>• Well Scanning mode with 900 data points per well, 3-D profile of the well, individual reading and statistical analysis like average, Sum, Min, Max, etc</li> <li>• Should be compatible to all SBS format 6 to 384-well Microplates</li> <li>• Temperature control from ambient +3°C to 45°C</li> <li>• Read Times Flying mode: &lt;13 sec for 96 well plates &amp; &lt;18 secs for 384-well plates</li> <li>• Linear and orbital shaking modes with user-definable time and speed</li> </ul> <p><b>Fluorescence</b> Wavelength Range: 240 - 740 nm <b>Light source: High energy long life Xenon flash lamp</b> Detector: photomultiplier tube (PMT) Top and bottom reading should be possible <b>Wavelength selection: By optical Filters, with on-board 6-8 positions each on Excitation and emission filter wheel</b> <b>Sensitivity: Fluorescence intensity &lt; 0.2 fmol/well Fluorescein (Top and Bottom)</b> TRF mode &lt; 30 amol/well Europium</p> <p><b>Absorbance:</b> Wavelength Range: 220 - 1000 nm, OD range: 0 to 4 OD Light source: High energy long life Xenon flash lamp <b>Detector: CCD based advanced Spectrometer for ultrafast scanning</b> <b>Scan Speed: should be possible to scan full wavelength spectrum in less than 2 sec/well</b> Accuracy: ± 1% at 2 OD &amp; Precision: ±0.5% at 1 OD and ± 0.8% at &gt; 2 OD Path length correction to normalize to standard ODs at 10mm</p> <p><b>Luminescence</b> Wavelength Range: 240 - 740 nm Detector: Photomultiplier tube Top and bottom reading should be possible Wavelength selection by selective filter should be possible Sensitivity: &lt; 20 amol/well ATP, DL Ready certified Should be possible to have upto two onboard injectors to dispense reagents and initiate kinetic events</p> <ul style="list-style-type: none"> <li>- Injection at measurement position (6 to 384-well)</li> <li>- Variable injection speeds up to 420 µL / s</li> </ul> <p>Injectors should be quoted as price option.</p> <p><b>Control &amp; Data Analysis Software</b> <b>License-free software possible to install on multiple computers</b> <b>Compliant with US FDA regulation 21 CFR Part 11</b> Should be possible to create USERS, set passwords and select path for data storage Should be possible to create shortcut icons for frequently used protocols Versatile kinetic software features for endpoint, long-term and fast kinetic measurement Real-time kinetic monitoring should be possible Template manager for transferring standards, building complex data processing protocols and using default templates Calculation based on Standard Curves, User defined formulas, Ratio metric analysis, etc.</p> <p>(Should be supplied with desktop PC suitable configuration for the above instrument)</p>	01

2. **Specifications and allied Technical Details: As per the description of goods specified in schedule of requirements (1).**

3. **Format of Quotation** (tick appropriate box)

It is a single bid; please give all technical specifications and price bid in one envelope.

OR

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

4. The Bid should be submitted through e-procurement: <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:**

i.	<b>Pre- bid Conference:</b>	Date: <b>NA</b>	Date: <b>NA</b>
ii.	Last date for submission of bid:	Date: <b>30/08/2018</b>	Time: <b>11:00 AM</b>
iii.	Date of Opening of technical Bid:	Date: <b>31/08/2018</b>	Time: <b>11:00 AM</b>

7. **Warranty** of **01** years must be provided.

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

9. **Bid Security: Not Applicable**

10. **Performance Security: Not Applicable**

11. **Tender Cost:** Tender Cost (Non- refundable) in the shape of **Demand Draft** for **INR 1000/- (Rupees One thousand only)** in favor of **Director, NIT Rourkela** Payable at Rourkela from any Scheduled Commercial Bank except Co-operative and Gramin bank. 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(LS) on or before 31/08/2018 at 11:00 AM**

12. Please go through the enclosed "bid document" carefully for other bidding instruction

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

14. For Technical Details you may contact to

**Prof. Sujit Kumar Bhutia**  
**Department of Life Science**  
**National Institute of Technology, Rourkela – 769 008**  
**Phone: - 0661- 2462686, Mobile no- +91 8895360221**  
**Email: [sujitb@nitrkl.ac.in](mailto:sujitb@nitrkl.ac.in)**

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



**BID DOCUMENT**

**1. Instructions to the bidders:**

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769008, 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. In case the above date is declared a holiday for NIT, Rourkela, and the bids will be received up to the appointed time on the next working day.
- 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 14 days before the deadline for receipt of bids.
- 1.7 Bids received after the deadline of receipt indicated in para 1.4 above, shall not be taken in to consideration.
- 1.8 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.9 The bids may be submitted in two parts, viz., technical bid and financial bid.
- 1.10 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.
- 1.11 The bidder should quote for the **Fluorescence Plate Reader** and selection process will be based on both quality and cost.

**2. Terms and 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 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 exempt from paying Excise Duty vide Government Notification No. 10/97 dated 01.03.1997 [Registration No.: TU/V/RG-CD (227)/2011, dated 10.10.2011]. GST may be charged at applicable rates.**

- 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.
- 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, and after successful installation and demonstration where ever applicable, whichever is later/latest.
- 2.13 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.
- 2.14 The bid document/resultant contract will be interpreted under Indian Laws.

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