



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

Limited Tender Enquiry

Department: Life Science

Tender Notice No: NITR/PW/LS/2018/48

Date: 30/08/2018

- 1. Eppendorf India Limited,
1C & 2C Kaberi Abasan, 9,
Selimpur Road, Kolkata – 700031**
- 2. K.R. Instruments & Chemicals,
'AASHRAY', Flat - B1, 69C,
Selimpur Road, Kolkata – 700031**
- 3. KD Chemical & Scientific Works,
715/11 (46A), Mahatma Gandhi Road,
2nd floor (Back Side),
Thakurpukur, Senpara, Kolkata – 700063**
- 4. M/s Techromed Corporation,
Plot No: 8/591, Raghunathpur,
Bhubaneswar-754005, Odisha.**
- 5. M/s Niranjani Enterprises, C-402,
Baisnav Vihar, Bomikhal, Bhubneshwar-751010,
Odisha**
- 6. Maverick Technologies, 1st Floor,
Silver Square Mall, Above Westside Christian Basti,
G.S. Road, Guwahati-781005.**

Important Dates

Event	Date	Time
Pre-bid Conference	NA	NA
Last Date of submission of bid	24/09/2018	11:00 AM
Date of Opening of Technical and Financial Bid	25/09/2018	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:

Attention: - Prof. R. Dhiman
Department of Life Science
NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ODISHA
Phone: - 0661- 2462780
Mobile no- +91 8594828323
Email: dhimanr@nitrkl.ac.in

Yours sincerely,

Name: Prof. R. Dhiman
Professor-In Charge: Laboratory of
mycobacterial immunology

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.	UV-Vis Spectrometer	01
	Compact UV – VIS spectrometer to quantify undiluted nucleic acids at microliter volume (<1.5 µL) and other biomolecule analysis using standard volumes.	
	Optical system	Absorption single-beam photometer with reference beam
	Light Source	Xenon flash lamp
	Sample capacity	1.5ul to 2ml
	Receiver	CMOS photodiode array
	Wavelength range	200 nm to 830 nm
	Wavelength Selection	Method-dependent, freely selectable
	Spectral bandwidth	≤4 nm
	Wavelength increment	1 nm
	Systematic wavelength error	±1 nm
	Random wavelength error	≤0.5 nm
	Photometric measuring range	0.0 to 3.0 A at 260 nm
	Photometric reading accuracy	ΔA = 0.001
	Random photometric error	≤ 0.002 at A = 0, ≤0.005 (0.5%) at A = 1
	Systematic photometric error	±1 % at A = 1
	Cuvette compatibility	<ul style="list-style-type: none"> • Microliter cuvette for low volume measurements. • UV-Vis plastic disposable/standard Quartz Cuvettes
	Micro cuvette type	<ul style="list-style-type: none"> • Coating: Hydrophobic surface coating • Cuvette blank: ≤0.1A@230nm, ≤0.05A@260nm • Minimum vol: 1.5µL dsDNA, 3 µL Protein • Wavelength range: 180nm- 2000nm • Material: Quartz • Light path height: 8.5mm
	UV-Vis plastic disposable Cuvette type	<ul style="list-style-type: none"> • Light path length: 2mm & 10mm • Light path height: 8.5cm • Volume: 50-2000ul • Wavelength range: 220-1600nm
	Methods	<ul style="list-style-type: none"> • Absorbance with one or more wavelengths, scans • Nucleic acids, Proteins, OD 600, dye labeling • Evaluation via factor, standard and calibration curve • Dual wavelength with subtraction and division evaluation
	Method dependent evaluation	<ul style="list-style-type: none"> • Absorbance, concentration via factor and standard • Linear regression, Nonlinear regression with 2nd and 3rd degree polynoms • Linear interpolation (point to point evaluation) • Absorbance allocation via subtraction and division • Ratio 260/280, 260/230, molar concentration and total yield for nucleic acids • Frequency of incorporation of Cy3, Cy5 dyes and labeling density
	Display	5.7" VGA TFT display
	Interfaces	USB master for USB stick; USB slave for connection to PC; Serial RS-232 for thermal printer
	Memory	> 100 method programs on the instrument > 1000 results with data, evaluation results and used parameters
	Power supply	100 to 240 V ± 10% / 50 to 60 Hz ± 5 %
	Power consumption	Approx. 15 W in the operating step Approx. 5 W with dimmed display

2. Specifications and allied Technical Details: As per Annexure-I

3. Format of Quotation (tick appropriate box)

It is a one cover 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.	Pre- bid Conference:	Date: NA	Date: NA
ii.	Last date for submission of bid:	Date: 24/09/2018	Time: 11:00 AM
iii.	Opening of technical and financial bid:	Date: 25/09/2018	Time: 11:00 AM

7. **Warranty** of **03** 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 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. 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 25/09/2018 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

<p>Prof. R. Dhiman Department of Life Science National Institute of Technology, Rourkela – 769 008 Phone:- 0661- 2462780, Mobile no- +91 8594828323 Email: dhimanr@nitrkl.ac.in</p>
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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.
- 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 7 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 one part, viz., techno-commercial 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.

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 dispatched 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, 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.

Technical Specification for UV-Vis Spectrometer

A. UV-Vis Spectrometer

Compact UV – VIS spectrometer to quantify undiluted nucleic acids at microliter volume (<1.5 μ L) and other biomolecule analysis using standard volumes.	
Optical system	Absorption single-beam photometer with reference beam
Light Source	Xenon flash lamp
Sample capacity	1.5ul to 2ml
Receiver	CMOS photodiode array
Wavelength range	200 nm to 830 nm
Wavelength Selection	Method-dependent, freely selectable
Spectral bandwidth	≤ 4 nm
Wavelength increment	1 nm
Systematic wavelength error	± 1 nm
Random wavelength error	≤ 0.5 nm
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Photometric reading accuracy	$\Delta A = 0.001$
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Cuvette compatibility	<ul style="list-style-type: none"> • Microliter cuvette for low volume measurements. • UV-Vis plastic disposable/standard Quartz Cuvettes
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Interfaces	USB master for USB stick; USB slave for connection to PC; Serial RS-232 for thermal printer
Memory	> 100 method programs on the instrument > 1000 results with data, evaluation results and used parameters
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