



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING
EDUCATION CELL
NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ODISHA**

Advertised Tender Enquiry

Department: Biotechnology and Medical Engineering

Tender Notice No: NITR/PW-SR/BM/2019/154

Date: 16/10/2019

To

Important Dates

**Through
CPP Portal
(E-procurement)**

| Event | Date | Time |
|--|-------------------|-----------------|
| Pre-bid Conference | NA | NA |
| Last Date of submission of bid | 06/11/2019 | 11:00 AM |
| Date of opening of techno-commercial bid | 07/11/2019 | 11:00 AM |

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 query, you may contact

Attention:-

Prof. Kunal Pal
Department of Biotechnology and Medical Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ODISHA
Phone : (0661) – 246-2289/2280
Mobile No.: +918249247377
E-mail: palk@nitrkl.ac.in/
kpal.nitrkl@gmail.com

Yours sincerely,

Name: Prof. K. Pal
Project Code: SR/19/BM/038

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. | Colorimeter (Spectrophotometer) with accessories (Detailed specification as per Annexure – I) | 01 unit |

2. Specifications and allied Technical Details

| |
|----------------------------|
| As per Annexure – I |
|----------------------------|

3. Format of Quotation

It is a two-part bid with separate techno-commercial 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 opening of techno-commercial bid.

6. Some important dates:

| | | | |
|------|---|-------------------------|-----------------------|
| i. | Pre-bid Conference | Date: NA | Time: NA |
| ii. | Last date for submission of bid | Date: 06/11/2019 | Time: 11:00 AM |
| iii. | Opening of Techno-commercial bid | Date: 07/11/2019 | Time: 11:00 AM |

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

8. **Technical Evaluation Criteria:** As per the detailed equipment technical specifications given in Annexure –I. If required, the bidder may be asked to provide clarification regarding the technical aspects.

Other Qualification criteria:

- i. Complete technical specification of the instruments and its necessary parts and accessory items required for running the instrument
- ii. A complete design along with the clear indication/markings of the specification mentioned in the technical bidding document (wherever possible) of the instrument
- iii. Make, model and specification of the Portable computing data acquisition system
- iv. Make, model and specification of the air conditioning system
- v. Specification of the software for running the instrument
- vi. Scanned copy of the technical brochure and website reference of the same must be included in the bid.
- vii. There must be a local maintenance center with the availability of the spares in India.
- viii. A declaration from the Principal stating that the spares will be made available for the equipment for at least 5 years from the date of installation.
- ix. 3 numbers of Scanned copy of PO (not older than 7 years) of Benchtop colorimeter of similar or higher specification supplied within India (at least ONE from premier Government Institution and R & D Organization)
- x. 3 numbers of signed and stamped Installation certificate/ POs where machine has been installed in countries other than India (not older than 7 years) must be provided.

- xi. A duly signed detailed User List (at least 10) with the concerned person's valid contact details, in India and abroad where the instrument is still in the operational condition must be provided.
- xii. A copy of the Authorization Certificate issued by the Principal in favour of the Indian agent along with a certified copy of the Agency Agreement between the foreign Principal and Indian agent. Both these certificates must be up-to-date.
- xiii. A letter in the official letterhead of the principal declaring the Indian agent as their authorized agency to bid must contain the official tender enquiry number as depicted in the CPP portal, must be included with the technical bid. (This must not be clubbed with Authorization Certificate)
- xiv. A duly signed separate compliance sheet of the specification (at every point) mentioned in the technical part along with the deviation (if any). This compliance sheet will not be considered as the technical specification of the instrument.
- 9. Financial Bid Evaluation Criteria:** The comparison will be made for the award of contract on the overall price basis.
- 10.** (a) All prices to be quoted on FOR basis (NIT Rourkela) in INR.
(b) GST: GST should be charged at applicable rates against DSIR certificate.
- 11. Bid Security (EMD) and Tender Cost: EMD (Earnest Money Deposit)** in the shape of DD (Demand Draft) for **INR 45,000/- (Rupees Forty five thousand only)** and Tender cost (Non-refundable) in the form of DD for **INR 500/- (Rupees Five hundred only)** in favour of **"Director, NIT Rourkela" payable at Rourkela** from any Scheduled Commercial Bank except Co-operative and Gramin Bank. And DD for the EMD (Earnest Money Deposit) should remain valid for a period of 45 days beyond the bid validity period from the date of the opening of the tender. The EMD (Earnest Money Deposit) 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 Deposit) and the tender cost should reach physically through **speed post/ registrar post / courier**, containing in an envelope & superscripted with subject, tender reference number addressing to **Registrar, NIT Rourkela -769008, Odisha; on or before 07/11/2019 at 11:00 AM.**
- 12. Performance Security: INR 75,000/- (Rupees Seventy-five thousand only)** in shape of Demand Draft (DD)/Bank Guarantee in favour of Director, NIT Rourkela and payable at Rourkela. And Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the suppliers 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.
- 12.** Please send your quotations through <https://eprocure.gov.in/eprocure/app>
- 13.** For technical details, you may contact

Prof. Kunal Pal

Project Code: SR/19/BM/038

Department of Biotechnology and Medical Engineering.,
National Institute of Technology, Rourkela – 769 008

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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 – 769008, Odisha, 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 Bid should be uploaded in <https://eprocure.gov.in/eprocure/app> Please follow the guideline 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 Bids received after the deadline of receipt indicated in Para 1.4 above shall not be taken into consideration.
- 1.8 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered nonresponsive.
- 1.9 (In respect of high value plant, machinery etc. of a complex and technical nature). The bids may be submitted in two parts, viz., techno-commercial 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 are acceptable.

2. Conditions of the bid

- 2.1 The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance and all other incidental charges. 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 actuals. 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 **90 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 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.

Technical Specification of Colorimeter (Spectrophotometer) with accessories

1. Colorimeter (Spectrophotometer) with accessories:

- a. Instrument type: Benchtop Instrument
 - b. Specular Component : Reflectance- SCI&SCE; Transmittance- SCI&SCE
 - c. Illumination source: Pulsed Xenon lamp or Combined LED Lamp
 - d. Measurement probe: Dual diode or photodiode array/ CMOS sensor,
 - e. Spectral separation device: Grating
 - f. Wavelength range: 360 nm-700 nm or better
 - g. Wavelength pitch/ Reporting interval: 10 nm
 - h. Photometric range: 0-150% or higher
 - i. Repeatability on the white tile using double flash (CIELAB)*: $\leq 0.03 \Delta E^* \text{ CIE } L^*a^*b^*$ on white tile
 - j. Aperture plates: Reflectance- Changeable between LAV, MAV, and SAV
 - k. UV cut off filters: At least 400 nm cut off and 420 nm cut off
 - l. Calibration box/ plates in accordance to NIST/ CIE/ ASTM standards: To be provided
 - m. Sample types to be analyzed: Liquid (Opaque), Liquid (Transparent), Solid powder, Films, Pastes, Gels, Ointments
 - n. Sample Holders and transmission clamps: To be provided as per the sample types mentioned.
 - o. Software for spectrum measurement and data analysis: To be provided
 - p. Color space: CIE LAB, XYZ, Hunter Lab (At least)
 - q. Color difference formula: Color Difference for $L^*a^*b^*$, Hunter L a b, XYZ (At least)
 - r. Power supply: AC 100 to 240 V, 50/60 Hz, AC Adapter to be provided
- 2.** Portable computing data acquisition system for instrument interfacing: Processor: 8th Gen Intel Core i3/i5/i7, Clock speed 3GHz or higher, Display: 15 inch or more, Memory & Storage: 8GB DDR4 RAM with HD Graphics, Storage: 1TB HDD with DOS OS for smooth running of equipment.
- 3.** Air conditioning system for keeping the instrument in a pollution and dust-free environment with the following specification: Reputed brand, Split, Inverter, 2.0Ton, Voltage stabilizer

Note:

- 1. The price the of the Main Instrument alongwith all the accessories, delivery, insurance, installation and 2-day training should be quoted under the single head "Colorimeter (Spectrophotometer) with accessories" in the BOQ form.**