



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ODISHA**

**Advertised Tender Enquiry**

**Department: CHEMICAL ENGINEERING**

**Tender Notice No: NITR/PW-SR/CH/2019/141**

**Date: 07/09/2019**

To

**Important Dates**

**Through  
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>14/10/2019</b>	<b>11:00 AM</b>
Date of opening of techno-commercial bid	<b>15/10/2019</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 query, Kindly contact to:

Head, Department of **Chemical Engineering**  
Attn.: **Dr. B. Saha**  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, Odisha  
Phone: 0661 – 2462252  
Fax: 0661 – 2462999  
E-mail: [sahab@nitrkl.ac.in](mailto:sahab@nitrkl.ac.in)

Yours sincerely,

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Name: **Prof. B. Saha,**  
**ASSISTANT PROFESSOR**  
**CHEMICAL ENGINEERING DEPARTMENT**

Encl :

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

**1. Schedule of requirements**

<b>Sl. No.</b>	<b>Description of Goods/Service</b>	<b>Quantity</b>
O1.	Fluorescence inverted Microscope for bioanalysis 10 – 100 X; Three fluorescence color	<b>01</b>

**2. Specifications and allied Technical Details**

As per Annexure- I
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**3. Format of Quotation**

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

**4. The bid envelope should be submitted through**

<https://eprocure.gov.in/eprocure/app>

**5.** Quotations should be valid for a period of **120 days** from the date of opening of techno-commercial bid.

**6. Some important dates:**

- |      |                                   |                           |                        |
|------|-----------------------------------|---------------------------|------------------------|
| i.   | Pre-bid Conference:               | Date:- <b>NA</b>          | Time:- <b>NA</b>       |
| ii.  | Last date for submission of bid:  | Date :- <b>14/10/2019</b> | Time:- <b>11:00 AM</b> |
| iii. | Opening of techno-commercial bid: | Date :- <b>15/10/2019</b> | Time:- <b>11:00 AM</b> |

**7. Warranty** of 1 year must be provided.

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

**9. Bid Security and Tender Cost:** Bid Security in shape of **DD (Demand Draft)** for **INR 20,000/- (Rupees Twenty Thousand Only)** and Tender Cost (Non- refundable) in the form of DD(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. Demand Draft 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 return to them at the earliest and latest on or before the 30<sup>th</sup> days after the award of the contract. Bid security 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(CH) on or before **15/10/2019 at 11:00 AM.**

**10. Performance Security: Rs. 50,000/- (Rupees Fifty 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

Prof. B. Saha  
Department of Chemical Engineering  
National Institute of Technology, Rourkela – 769 008  
Phone: 0661 – 2462252  
Fax: 0661 – 2462999  
E-mail: [sahab@nitrkl.ac.in](mailto:sahab@nitrkl.ac.in)



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA**

**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, Odisha, from the intending bidders for supply of the goods/stores/equipment's 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 submission 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., techno-commercial 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 **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 **120 days** from the date of opening of techno-commercial bid. 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 which will be mandatory clause while technical bid evaluation.
- 2.12 Payment (100 percent after delivery) will be made by Account Payee Cheque /Bank Draft, on delivery and after successful completion of training, installation, configuration, testing, and implementation with existing infrastructure and proper verification of high performance computing cluster 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.

**Detail specification of Fluorescence inverted Microscope for bioanalysis 10 – 100 X; Three fluorescence color**

MICROSCOPY BODY	ON/OFF SWITCH SHOULD BE IN FRONT OF THE BODY WITH <b>100:0/0:100 CAMERA PORT WITH 0.7X RELAY LENS SHOULD BE PLACED AT SIDE OF MICROSCOPE BODY FOR EASE OF USE. SYSTEM SHOULD BE UPGRADABLE TO PSEUDO THREE-DIMENSIONAL OBSERVATION OF THICK SAMPLES WITH BOTH GLASS &amp; PLASTICS HOLDERS.</b>
MAGNIFICATION	100X-400X FOR OBSERVATION.
OPTICAL SYSTEM	INFINITY OPTICAL SYSTEM.
EYEPIECE TUBE	BINOCULAR TUBE WITH 45° INCLINATION ANGLE <b>F.O.V. 22MM.</b>
EYEPIECE LENS	10X (2PCS) WITH <b>BOTH SIDE DIOPTRER ADJUSTMENT F.O.V. 22MM OR BETTER</b> .INTERPUPILARY DISTANCE: 50-75MM
PHASE OBJECTIVES	ACHROMAT 10X PHASE N.A.0.25, W.D.5.2MM ACHROMAT 20X PHASE N.A.0.4, W.D. 3.1MM. PLAN FLUOR ELWD 40X N.A.0.6, W.D.3.6-2.8MM ACHROMAT ELWD 40X PHASE N.A. 0.55 W.D. 2.1MM PLAN FLUOR 100X OIL N.A.1.3, W.D.0.16MM
<b>ALL OBJECTIVES SHOULD BE GOOD ENOUGH TO REDUCE HALO.</b>	
NOSE PIECE	MUST BE <b>QUINTUPLE NOSEPIECE</b> TO ACCOMMODATE ALL OBJECTIVES.
COARSE / FINE FOCUSING	FINE 0.2MM PER ROTATION; COARSE 37MM OR MORE/PER ROTATION.
COARSE	MOTION TORQUE SHOULD BE ADJUSTABLE.
STAGE	PLAIN STAGE WITH ATTACHED MECHANICAL STAGE & UNIVERSAL HOLDER TO ACCOMMODATE DIFFERENT HOLDERS, SLIDE ETC.
CONDENSER	HIGH W.D. CONDENSER SHOULD BE QUOTED (MIN.75MM)
ILLUMINATION	WHITE LED ILLUMINATOR WITH <b>LAMP-LIFE OF AT LEAST 60,000 HRS.</b>
FLUORESCENCE	IN-BUILT LED FLUORESCENCE WITH NARROW BAND UV (EX361-389; DM415; EM430-490), BLUE FILTERS (EX465-495; DM505; EM512-558) & GREEN FILTER (EX510-560; DM575; EM580 & ABOVE). SHOULD HAVE FOUR POSITION FLUORESCENCE FILTER (or Higher) TURRET FOR THREE FILTERS & ONE BRIGHT FIELD POSITION.

IMAGE ANALYSER USB 3.0 (or better) BASED 5.5MP OR MORE CCD/CMOS CAMERA WITH AT LEAST 65% Q.E. FOR BETTER FLUORESCENCE IMAGING, FULL FRAME SPEED OF AT LEAST 15FPS, AT LEAST THREE WAY EXPOSURE CONTROL, WITH SOFTWARE FOR LIVE IMAGING, MEASUREMENT, VIDEO CAPTURING, IMAGE EDITING ETC. THERE SHOULD ALSO BE OPTION FOR FLUORESCENCE CHANNEL MERGING & TIME-LAPSE IMAGING. **SOFTWARE MUST BE UPGRADABLE TO ADVANCED VERSION TO SUPPORT 6D IMAGING, 2D/3D DECONVOLUTION ETC. (USER LIST OF SAME SHOULD BE PROVIDED WITH CONTACT DETAILS)**

MICROSCOPE, CAMERA & SOFTWARE SHOULD BE FROM SAME MANUFACTURER FOR BEST COMPATIBILITY & UPGRADABILITY.

**Details of the configuration and deviation must be provided along with technical bid.**

**Other Terms and Conditions**

1. At least 10 contacts of the above equipment and accessories (Annexure-I) or higher configuration from IIT/ NIT/IISER/reputed Indian institute/Govt. R&D organizations must be provided in last five years. Scan copies of the minimum five purchase orders of the above equipment and accessories (Annexure-I) or higher configuration must be enclosed along with the technical bid.
2. Minimum 5 number of Annual Maintenance service contract from users within India only should be provided.
3. Certificate from OEM or its Indian representative to have a complete after sales service set up unit in India.
4. If the bidder is not an OEM, the representative must submit a certificate from OEM for serving the same OEM in India at least for 5 years.
5. Warranty and Comprehensive Maintenance Contract (CMC):
  - (i) Comprehensive warranty for 1 years including spares and consumables. Warranty will be effective from the date of successful installation at NIT-Rourkela.
6. Price should include installation and delivery of the Microscope to NIT-Rourkela basis. Customs duty exemption certificate will be provided by the Institute.
7. **Release of EMD:** The EMD of the successful bidder shall be released after successful installation of the units.
8. **Validity of bids:** The rate quote should be valid for a minimum of 120 days.
9. Certification:
  - (i) CE and ISO certification is needed

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