



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ODISHA

## Advertised Tender Enquiry

**Department: Mechanical Engineering**

**Tender Notice No: NITR/PW/ME/2020/218**

**Date: 24/12/2020**

### IMPORTANT DATES

**To**

Bidding through  
e-procurement module of  
CPP Portal

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

Event	Date	Time
Pre-bid meeting	NA	NA
Last date of submission of bid	<b>15/01/2021</b>	<b>03:00 PM</b>
Date of opening of techno-commercial bid	<b>18/01/2021</b>	<b>03:00 PM</b>

Dear Sir,

We intend to purchase the commodities specified below and invite quotations from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer/agent for one Laser beam machine (Laser cutting, Micromachining & Drilling System with accessories) in accordance with the terms and conditions detailed in the bid document.

The bid should include on site comprehensive warranty from the date of installation of the machine as per terms & conditions specified in the tender document. If you are interested, kindly send your offer with prices for **Laser beam machine (Laser cutting, Micromachining & Drilling System with accessories)** as soon as possible.

Table 1 shows the TECHNICAL SPECIFICATIONS of the equipment and its accessories.

For any query, you may contact

**Attention:**

Dr. Manoj Masanta  
Department of Mechanical Engineering,  
National Institute of Technology,  
Rourkela – 769 008  
Phone: 0661-2462530/8249105802  
E-mail: [masantam@nitrkl.ac.in](mailto:masantam@nitrkl.ac.in)

Yours sincerely,

\_\_\_\_\_  
Name **Dr. Manoj Masanta**  
Department of Mechanical  
Engineering, NIT Rourkela

**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	Supply, installation and commissioning of <b>Laser beam machine (Laser cutting, Micromachining &amp; Drilling System with accessories)</b>	<b>01 Set</b>

## 2. Specifications and allied Technical Details

**Table 1:** Specification of Machinery Fault and Rotor Dynamics Simulator and its attachments

<b>General Specifications</b>		
SI No	Specification	Requirement
1	<b>Laser beam machine (Laser cutting, Micromachining &amp; Drilling System with accessories)</b>	<p>Laser Source: Nano Second Fiber laser            Average Power: 100 watt            Mode of Operation: Pulsed            Wavelength 1064 nm            Pulse Frequency: 50 KHz to 200 KHz            Pulse Duration: 100 ns            Laser Beam Spot diameter: ≤ 100 microns            Inbuilt Guide Laser: 635 nm            Beam Delivery System with coaxial nozzle including shrouding gas arrangement            CNC based XYZ controller System            X Y table travel: 300 mm X 300 mm            Motorized Z axis movement: &gt;50 mm            Computer system: Integrated Computer System with suitable software for motion of CNC controller system and machining operations.            G Code operated CNC Software            SIMTRON/Siemens/Fanuc/Haas Controller Card            CNC USB Operation over 3.0            Graphic format support DXF, CRD.            Cutting Head: Lasermech/Precitec or equivalent            Laser Safety Enclosure for Class 4 Laser            Input power 230 V, single phase, 50 Hz            Operating Temperature: 10 to 50°C            Vision System: CCD            Suitable UPS with 20 minutes back up</p>
<b>Attachments to be provided with the simulator</b>		
<b>Training, Installation and Commissioning of the machine</b>		
2	Installation and Commissioning	<ul style="list-style-type: none"> <li>Installation, commissioning &amp; showing the performance of the equipment in terms of power output, capacity to perform cutting, drilling and micromachining with the desired accuracy in Mechanical Engineering Department, NIT Rourkela. Commissioning work include acceptance test/component trial.</li> </ul>

		<ul style="list-style-type: none"> <li>The commissioning will be treated as complete when we issue the certificate of acceptance. Installation, commissioning &amp; proving of the machine to its desired capacity and complete satisfaction.</li> <li>Electrical power supply requirements to be clearly specified</li> </ul>
3	Training	<ul style="list-style-type: none"> <li>The OEM shall have to provide onsite training to the technical staff and research students exclusively for operation, programming, maintenance etc.</li> </ul>

**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 date of opening of techno-commercial bid.

**6. Some important dates:**

i.	Pre-bid Conference	Date:	<b>NA</b>	<b>NA</b>
ii.	Last date for submission of bid	Date:	<b>15/01/2021</b>	<b>03:00 PM</b>
iii.	Date of opening of techno-commercial bid	Date:	<b>18/01/2021</b>	<b>03:00 PM</b>

7. **Warranty:** The complete machine must have comprehensive onsite warranty from the date of successful commissioning for period of 24 months.

**8. Techno-commercial bid evaluation Criteria:**

The vendor shall provide the following information with the bid to provide background information on vendor to Tender Committee. Weightage will be given to the vendors on point basis for the following details.

- a. The list of clients (contact details of a person phone/ mob no. with email ids should be attached) where the bidder had supplied the similar type of fabrication job (as mentioned in schedule of requirements) with successful delivery in last three years.
- b. Quality certificate from a recognized institution for their manufacturing/ assembly/ system integration facilities anywhere located in India or abroad.
- c. Delivery period from the date of placement of the Purchase Order.
- d. Customer support strength by the vendor.
- e. Possible quicker availability of the vendor when problem occurs.
- f. Mode of handling complains (whether by fault ticket/ complain given by email or by phone etc.).
- g. Necessary documents as mentioned in the bid document.
- h. Any other points may deemed fit by the committee at time of technical evaluation of bid documents.

**9. Other Qualification criteria:**

- a. Details of Technical Specification and other specifications so as to enable technical assessment of the proposal. Unpriced bid document exactly same as the price bid with full break up without the costs mentioned.

**10. Financial Bid Evaluation Criteria:** The comparison will be made for the award of contract on the overall price basis.

**11.** (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.

**12. Tender Cost:** Tender cost (Non-refundable) in shape of Demand Draft for **INR 500/- (Rupees Five hundred only)** in favor of "**Director, NIT Rourkela**" payable at Rourkela from any Schedule Commercial Bank except Co-operative and Gramin Bank. Tender Cost should reach physically through speed post /registrar post/courier, containing in an envelope & superscript with subject, tender reference number addressing to **Registrar, NIT Rourkela-769008, Odisha; on before 18/01/2021 at 03:00 PM**

**13. Bid Security:** It is mandatory to submit the "Bid Security Declaration" form as mentioned in **Annexure-I**, failing which the bid will be summarily rejected.

**14. Performance Security: 3% of contract value** should be deposited to the Institute within 15 days from the date of issue of Purchase Order, 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. And 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.

**15.** Please send your quotations through e-Procurement module of CPP Portal <https://eprocure.gov.in/eprocure/app>

**16.** For technical details, you may contact

<p><b>Dr. Manoj Masanta</b> NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, SUNDERGARH, ORISSA Mob:8249105802, Email: <a href="mailto:masantam@nitrkl.ac.in">masantam@nitrkl.ac.in</a></p>
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**NB: Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable)**



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ODISHA

## 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.
- 1.11 If any bidder does not fulfil technical specification, his/her eligibility will be cancelled even if his/her price got L1 status.
- 1.12 Bidders registered with any of the following agencies/ bodies as per Public procurement policy for Micro & Small Enterprises (MSE) order 2012 are exempted categories from payment of EMD provided that the registration Certificate issued by any one of these below mentioned agencies must be valid as on close date of tender. Micro small or medium enterprises who have applied for registration or renewal of registration with any of these agencies/bodies but have not obtained the valid Certificate as on close date of tender are not eligible for exemption.
  - i) Khadi and Village Industries Commission (KVIC)
  - ii) National Small Industries Corporation (NSIC)
  - iii) Any other body specified by Ministry of MSME/GOI

## 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 – Integrated tax (Rate) dt. 14/11/2017 & Notification No. - 45/2017- Central tax (Rate) dt. 14.11.2017, Notification No. - 45/2017- Union Territory Tax (Rate) dt. 14/11/2017 [Vide DSIR, Ministry of Science and Technology, Government of India, 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.
- 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 Purchase order / Work order shall be placed on the bidding firm(s). In case of deviation to this, if any, the bidding firm should produce any such sufficient documents/credentials i.e. Agreements, MOUs, Arrangements etc. with the third party/ OEM to satisfy the buyer. A consent letter from the third party/ OEM to that effect must be enclosed along with the bidding documents
- 2.12 The Institute generally dispatches payment within 60 days of receipt of stores (in good condition) against a valid tax invoice.

- 2.13 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.
- 2.14 State Bank of India is the sole Banking partner for NIT Rourkela for operation of LC (Letter of Credit)
- 2.15 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.
- 2.16 The bid document/resultant contract will be interpreted under Indian Laws.

**BID SECURITY DECLARATION**

Tender Ref. No. \_\_\_\_\_ Dated: \_\_\_\_\_

Tender ID: \_\_\_\_\_

To

**The Registrar  
National Institute of Technology, Rourkela  
Sundargarh, Odisha- 769008**

The undersigned, declare that I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration. I/We accept that I/We may be disqualified/ suspended from bidding for any tender /contract in your Institute (NIT Rourkela) for a period of Five Years from the date of notification of present tender, if I am /We are in a breach of any obligation under the bid conditions as under, if I/We

- a) Withdraw/modify/amend, impair or derogate the tender/bids, during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
  - (i) fail or refuse to execute the contract, if required, or
  - (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

**Signed:** (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

**Name:** (insert complete name of person signing the Bid Securing Declaration) Duly authorized to sign the bid for and on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing) Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)