



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

**Advertised Tender Enquiry**

**Department: Ceramic Engineering**

**Tender notification no: - NITR/PW-SR/CR/2020/18**

**Date: 01/02/2020**

**To**

**Important Dates**

Bidding  
Through  
e-Procurement Portal of  
Ministry of HRD, Govt. of India  
(e-Wizard)

<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>11/03/2020</b>	<b>03:00 PM</b>
Date of opening of techno-commercial bid	<b>12/03/2020</b>	<b>03:00 PM</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, you may contact to:

**Attention:**  
**Principal Investigator: Prof. Arindam Paul**  
Department of Ceramic Engineering  
National Institute of Technology Rourkela  
Rourkela – 769 008, Odisha  
Phone: 0661 - 2462215  
Mob no.: 7008230161  
Email: [paula@nitrkl.ac.in](mailto:paula@nitrkl.ac.in)

Yours sincerely,

\_\_\_\_\_  
Name: Prof. Arindam Paul  
Principal Investigator  
Project Code: SR/19/CR/004  
Department of Ceramic Engineering  
NIT Rourkela

**Encl:**

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

## 1. Schedule of requirements

Item No	DESCRIPTION	Quantity
1.	<b>Benchtop Freeze Dryer (-110°C)</b>	01 Unit
2.	<b>Accessories (3 kVA Online UPS for Power backup of 5 Hrs)</b>	01 Unit

## 2. Specifications and allied Technical Details

As per the specification mentioned in Annexure I

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

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

4. The bid should be submitted through e-Procurement Portal of Ministry of HRD, Govt. of India (e-Wizard) <https://mhrd.euniwizarde.com/>
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>11/03/2020</b>	Time: <b>03:00 PM</b>
iii. Date of opening of techno-commercial bid:	Date: <b>12/03/2020</b>	Time: <b>03:00 PM</b>

7. **Warranty** (i) Comprehensive warranty for 01 years including spares and consumables must be provided.
8. **GST:** For indigenous items, GST will be 5% as the equipment will be used for research purpose and Institute will provide DSIR certificate for the same.

## 9. Technical evaluation criteria

- a) At least **five** user names and detail contact from IITs/NITs/reputed Indian Institutes/Govt. Research organizations must be provided where the similar equipment has been supplied in last **ten** years along with copy of purchase order.
- b) Detailed specifications, catalogues, list of users & technical details, pre-installation requirements, delivery period etc. to be given very explicitly without any ambiguity. The quotation must clearly specify make and model of the equipment. All relevant technical literature/brochures and specifications must also be provided adequately explaining and confirming compliance of the features of the model of the equipment being quoted with those given in the tender enquiry. If there are features in the quoted equipment which are better than what are indicated in the enquiry, they must also be clearly explained.
- c) Compliance Statement
- The compliance statement (in tabular format with column heads as mentioned below) along with the technical bid must be submitted by the bidder.
- I. NIT Rourkela's Enquiry specification
  - II. Specification of the equipment offered by the supplier

- III. Compliance to NIT Rourkela's specification (yes/No),
- IV. Details of deviation, if any, as per NIT Rourkela's specifications.
- d) Sufficient technical documents in support of claims made must be provided in the offer.
  - e) Statements like "conform/Comply/Yes" without supporting documents will not be considered for technical evaluation
  - f) Certificate from OEM or its Indian representative to have a complete after sales service set up unit in India. 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.
  - g) Customized equipment and accessories (Annexure-I) will not be accepted.
  - h) The bidder has to quote mandatorily for all the items.

**10. Financial bid evaluation criteria**

The comparison will be made for award of contract on the overall price basis.

- 11.** Bid Security (EMD) and Tender Cost: EMD (Earnest Money Deposit) need to be submitted through online portal only for **INR 30,000 (Thirty thousand only)** and Tender cost (Non-refundable) through online mode for **INR 1000/- (Rupees One Thousand only)**. The EMD (Earnest Money Deposit) of unsuccessful bidders should be returned to them at the earliest and latest on or before the 30<sup>th</sup> days after the award of the contract. EMD shall bear no interest. Any bid without accompanying with EMD & Tender Cost is liable to be treated as non-responsive and rejected.
- 12. Performance Security: INR 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. Performance Security should be submitted within 15 days from the date of receipt of Order. 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.
- 13.** Please go through the enclosed "bid document" carefully for other bidding instructions.
- 14.** Please send your quotations through \_ <https://mhrd.euniwizarde.com/>
- 15.** For technical details, you may contact

**Prof. Arindam Paul**  
Principal Investigator  
Project Code: SR/19/CR/004  
Department of Ceramic Engineering,  
National Institute of Technology,  
Rourkela – 769 008  
Phone: 0661 – 2462215  
Mobile No. 7008230161, 9178782203  
E-mail: [paula@nitrkl.ac.in](mailto:paula@nitrkl.ac.in)

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 – 769 008, Orissa, from the intending bidders for supply of the goods/stores/ equipment 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://mhrd.euniwizarde.com> 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 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 non-responsive.
- 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., 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 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. INSTRUCTIONS FOR ONLINE BID SUBMISSION**

The bidders are required to submit soft copies of their bid electronically on the e-Wizard Portal (<https://mhrd.euniwizarde.com>) using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the e-Wizard Portal, prepare their bids in accordance with the requirements and submitting their bids online on the e-Wizard Portal. For more information, bidders may visit the e-Wizard Portal <https://mhrd.euniwizarde.com>

## **2.1 REGISTRATION PROCESS ON ONLINE PORTAL**

1. Bidders to enroll on the e-Procurement module of the portal <https://mhrd.euniwizarde.com> by clicking on the link "Bidder Enrollment". Enrolment on the e-wizard Portal.
2. The bidders to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the e-Wizard Portal. Bidders to register upon enrolment their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
3. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. Foreign bidders are advised to refer "DSC details for Foreign Bidders" for Digital Signature requirements on the portal.
4. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
5. Bidders must ensure that they have the latest version of Java installed in their local system.
6. The scanned copies of all original documents should be uploaded in pdf format on portal <https://mhrd.euniwizarde.com>
7. After completion of registration payment, you need to send your acknowledgement copy on our help desk mail id [ewizardhelpdesk@gmail.com](mailto:ewizardhelpdesk@gmail.com) for activation of your account.

## **2.2 TENDER DOCUMENTS SEARCH**

1. Various built in options are available in the e-Wizard Portal to facilitate bidders to search active tenders by several parameters. These parameters include Tender ID, organization, location, date, value, etc.
2. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the Online Portal.
3. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the Online Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
4. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **2.3 BID PREPARATION**

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
3. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
4. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / PNG etc. formats. Bid

documents may be scanned with 100 dpi with black and white option.

## **2.4 BID SUBMISSION**

1. Bidder to log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder to select the payment option as Online" to pay the tender fee/ EMD wherever applicable and enter details of the instrument.
4. A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders to note that they should necessarily submit their financial bids in the prescribed format and no other format is acceptable. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
5. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
9. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

## **2.5 AMENDMENT OF BID DOCUMENT**

At any time prior to the deadline for submission of proposals, the institutions reserve the right to add/modify/delete any portion of this document by issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who have been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

## **2.6 ASSISTANCE TO BIDDERS**

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. e-Procurement support any queries relating to the process of online bid submission or queries relating to e-Wizard Portal in general may be directed to the **24x7 e-Wizard Helpdesk. The contact number for the helpdesk is 011-49606060, 23710092, 23710091, Er Sanjeet Kumar Jha (+91-8882495599), 9355030626. Amit Kumar Jha 9355030627, 9205898226**

## **Email Support:**

For any eProcurement Application Service Requests and Technical issues related to Document Uploads, Tender Publishing, Issue of Corrigendum, Encryption/Decryption Key issues, Bid Evaluation, Bidder Login issues, New Registration issues, Key Uploads, DSC Key installation, Bid Submission, system users may please mail to Sanjeet Kumar Jha [ewizardsanjeet.kumar@gmail.com](mailto:ewizardsanjeet.kumar@gmail.com)

### **3. Conditions of the bid**

- 3.1 The rates quoted should preferably be net (FOR Rourkela, Odisha 769008), inclusive of packing, forwarding, freight, Insurance and all other incidental charges including GST. 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.
- 3.2 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]**
- 3.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be reached within **120 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.
- 3.4 The bid should remain valid for a period of **120 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 3.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 3.6 The goods offered should strictly conform to the specification and technical details mentioned in **Annexure-I**.
- 3.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 3.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 3.9 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.
- 3.10 The successful bidder may be required to execute a contract, where applicable.
- 3.11 The bidder has to furnish up to date **GST and Income Tax Clearance Certificate** for **last three Financial Years**, i.e. for FY 2016-17, 2017-18 and 2018-19, along with the bid.
- 3.12 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.

- 3.13 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.
- 3.14 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.
- 3.15 The bid document/resultant contract will be interpreted under Indian Laws.



### Specifications for 'Benchtop Freeze Dryer (-110°C) along with Accessories'

Sl. No.	COMPLETE SPECIFICATIONS
1.	Compact Table top model, preferably chamber outer dimensions within 500 x 400 x 500 mm which may be placed on top of a table (Dimension and weight of the equipment must be provided).
2.	Digital read out of temperature.
3.	Microprocessor controlled and LED display of temperature.
4.	Operated on 230V/50 Hz power supply, Power consumption: 600W
5.	CFC free refrigeration system
6.	Condenser:- Condenser temperature: -110°C (at an ambient of 20°C) for faster drying process of aqueous, organic solvent, other volatiles which have very low freezing point.
7.	Seamless surface condenser with external cooling coil with large surface area without gasket or seals to avoid leakage. Cooling coil exposed in condenser chamber will not be entertained to prevent mechanical damage and difficult defrosting. Cooling media 507/R1150 (No mixture of gases will be considered).
8.	The condenser trap which should be made of highest quality rust free stainless steel AISI 316 grade to prevent corrosion at any case.
9.	Cold trap temperature: -110°C, Condenser dimension: 162 x 180 (mm).
10.	Total condenser volume 4L, Insulation should be 9 to 10 cm, Condenser capacity per 24 hours: 2.5 Kg or better. Total Condenser capacity: 3 Kg.
11.	Materials: Cabinet polyester coated steel
12.	Built-in front attractive Drain tap. Start delay for the compressors. Provision for connecting vacuum concentrator for future upgradation.
13.	Pump:- Direct driven double stage (2 Stage) High Vacuum pump. Capacity: 57 Litre per min, Ultimate-vacuum 0.001 mbar. Auto-Isolation cum anti suck back device valve to prevent back flow of pump oil during power failure to save the specimens. Oil mist filter to eliminate oil fumes from the room chamber. One litre of vacuum oil should be supplied extra along with the pump.
14.	Acrylic Drying chamber with Acrylic Base (Dia. 325 mm) fitted with gasket with 6x ¾" quick seal rubber valve and four adjustable horizontal shelves with collar.
15.	Various sizes of flask adapters (4 Nos) and ampoule tree for ampoule drying. Four Round bottom flasks (two 250 ml and two 500 ml) should be supplied along with the instrument.
16.	<b>3 kVA Online UPS for Power backup of 5 Hrs.</b> UPS system must be equipped with inbuilt isolation transformer.

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

### Other Terms and Conditions

1.	<b>Installation and Commissioning</b>		To be done by the supplier
2.	<b>Training</b>		To be done by qualified personnel of the supplier (at free of cost).
3.	<b>Warranty</b>		<b>Comprehensive warranty of 1 years.</b> The supplier will be responsible for supply any parts that may become faulty. The warranty will be effective from the date of successful installation of the equipment at NIT Rourkela. <b>Two years of AMC (after the completion of warranty period) must be given as free, by the supplier.</b>
4.	<b>General Points</b>	4.1	Please give detailed specifications, catalogues, list of users & technical details, pre-installation requirements, delivery period etc. very explicitly without any ambiguity. The quotation must clearly specify make and model of the equipment. All relevant technical literature/brochures and specifications must also be provided adequately explaining and confirming compliance of the features of the model of the equipment being quoted with those given in the tender enquiry. Without this, the quotation may be liable to be rejected. If there are features in the quoted equipment which are better than what are indicated in the enquiry, they must also be clearly explained.
		4.2	Compliance Statement All manufacturers/suppliers must submit the compliance statement (in tabular format with column heads mentioned below) along with the technical bid.  a] NIT Rourkela's Enquiry specification, b] Specification of the equipment offered by the supplier, c] Compliance to NIT Rourkela's specification (yes/No), d] Details of deviation, if any, as per NIT Rourkela's specifications.
		4.3	Offers must include sufficient technical documents in support of claims made.  Statements like "conform/Comply/Yes" without supporting documents will not be considered for technical evaluation.
		4.4	At least <b>five</b> user name and detail contact from IITs/NITs/reputed Indian Institutes/Govt. Research organizations must be provided where the similar equipment has been supplied in last <b>ten</b> years along with copy of purchase order.
		4.5	Certificate from OEM or its Indian representative to have a complete after sales service set up unit in India.
		4.6	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.
		4.7	Price should include installation and delivery of the Item to NIT Rourkela basis. Price should be quoted in foreign currency for imported items and in Indian rupee for indigenous item.

\* \* \* \* \*