

NOTICE INVITING TENDER (E-PROCUREMENT MODE)

NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

MAHATMA GANDHI AVENUE

DURGAPUR –713 209, WEST BENGAL, INDIA

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Contact No.: 9434788182

NOTICE INVITING TENDER NO.: NITD/MME/DST-FIST/2020/2	Date: 05/11/ 2020
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National Institute of Technology Durgapur is in the process of purchasing following item as per details as given as under.

Items	To supply and installation of a Arc melting cum casting unit at Department of Metallurgical & Materials Engineering, NIT Durgapur.
Earnest Money Deposit to be submitted	2,50,000/-
Installation and Commissioning	Required, Department of Metallurgical & Materials Engineering, NIT Durgapur.
Warranty	03 year comprehensive on-site
Performance Security/ Performance Bank Guarantee (PBG)	The successful bidder must submit before release of payment a valid bank guarantee on any nationalized bank amounting 10 % of the order value towards Performance Security with full warranty period + 60 days.

Tender Documents may be downloaded from ITI e-Wizard Portal of MHRD <https://mhrd.euniwizarde.com> Aspiring Bidders who have not enrolled / registered in e-Wizard should enrol/ register before participating through the website <https://mhrd.euniwizarde.com> . Bidders are advised to go through instructions provided at ‘Instructions for online Bid Submission’.

Tenderers can access tender documents on the NIT DURGAPUR website (<https://nitdgp.ac.in>) Tenders@NITD.

(For searching in the ITI E-wizard site, kindly go to Department Select option and select ‘NIT DURGAPUR’. Thereafter, filling CAPTCHA and Click on “Search” button to view all NIT Durgapur tenders). Select the appropriate tender, fill them with all relevant information, and submit the completed tender document online on the website <https://mhrd.euniwizarde.com> as per the schedule given in the next page. No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-Wizard portal).

SCHEDULE

Name of Organization	National Institute of Technology
Tender Type (Open/Limited/EOI/Auction/Single)	Open
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/Auction/Service/Buy/Empanelment/ Sell)	Buy
Source of Fund (Institute/Project)	DST-FIST, Institute
Is Multi Currency Allowed	YES
Date of Issue/Publishing	05/11/2020
Document Download/Sale Start Date	05/11/2020
Bid Submission Start Date	05/11/2020
Date for Pre-Bid Conference	-
Venue of Pre-Bid Conference	Department of Metallurgical & Materials Engineering, National Institute of Technology Durgapur, Durgapur – 713209, West Bengal, India
Document Download/Sale End Date	26/11/2020 (17.00 Hrs)
Last Date and Time for Uploading of Bids	26/11/2020 (17.30 Hrs.)
Date and Time of Opening of Technical Bids	27/11/2020 (11.00 Hrs.)
Form Fee	Rs. NIL /- (For Tender Fee)
EMD	2,50,000/- Account Name: SRCC NIT Durgapur Bank Name: Canara Bank, Durgapur NIT Campus Branch: NIT Durgapur, Durgapur-713209, Dist- Paschim Bardhaman, West Bengal, Pin- 713209 IFSC Code: CNRB0008569 Bank Account Number: 8569101003197 MICR Code: 713015203
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	90 days (From the date of opening of price bid)
Address for Communication	Dr. Madan Mohan Ghosh Associate Professor, Department of Metallurgical & Materials Engineering, National Institute of Technology Durgapur Durgapur – 713209, West Bengal, India
Contact No.	9434788182
Email Address	madanmohan.ghosh@mme.nitdgp.ac.in
ITI Helpdesk Contact No. and mail address	Helpdesk Number - 011-49606060/06122520545 helpdeskeuniwizarde@gmail.com Mr SK Tariq- 9355030608; ewizardtariq@gmail.com Mr. Saikat Pal - 8927976198 ewizardsaikat.pal@gmail.com

PROCEDURE FOR SUBMISSION OF E-TENDER

The bidders are required to submit soft copies of their bid electronically on the ITI e-Wizard Portal 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 submit their bids online on the ITI e-Wizard Portal. For more information, bidders may visit the ITI e-Wizard Portal <https://mhrd.euniwizarde.com>

1. REGISTRATION PROCESS ON ONLINE PORTAL

- a. Bidders to enroll on the e-Procurement module of the portal <https://mhrd.euniwizarde.com> by clicking on the link "Bidder Enrolment" as per portal norms.
- b. 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.
- c. Bidders must provide the details of PAN number, registration details etc as applicable and submit the related documents. The user id will be activated only after submission of complete details. The activation process will take minimum 24 working hours. After completion of registration payment, you can also send your acknowledgement copy on our help desk mail id ewizardhelpdesk@gmail.com for activation of your account.
- d. Bidders to register upon enrolment their valid Digital Signature Certificate (DSC: Class III Certificates with signing key and encryption usage) issued by any Certifying Authority recognized by CCA India with their profile.
- e. A bidder should register only one valid DSC. 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.
- f. Bidder then logs in to the site through the secured login by entering their user ID/password and the password of the DSC / e-Token.

2. Tender Document Search

- a. 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.
- b. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, a form of contract, location, date, other keywords, etc. to search for a tender published on the Online Portal.
- c. 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 '**Interested 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.
- d. 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.

3. Bid Preparation

- a. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.

- c. 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 needs to be submitted. Any deviations from these may lead to rejection of the bid.
- d. 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. Documents in PDF format with maximum Five (5) Mb file can be uploaded.

4. Bid Submission

- a. Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e., on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- b. The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- c. Bidders must pay required payments (Form fee, EMD, Tender Processing Fee etc) as mentioned before submitting the bid
- d. Bidder to select the payment option mode as specified in the Schedule (EMD/FORM FEE Section) to pay the form fee/ EMD wherever applicable and enter details of the instrument.
- e. 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.
- f. 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, the opening of bids, etc. The bidders should follow this time during bid submission.
- g. 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.
- h. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- i. 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.
- j. Kindly have all relevant documents in a single PDF file.
- k. The off-line tender shall not be accepted and no request in this regard will be entertained whatsoever.

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 the issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who has been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

6. Instruction to Bidders

- a. Process for Bid submission through ITI Ewizard portal is explained in Bidder Manual. Bidders are requested to download Bidder Manual from the home page of website (<https://mhrd.euniwizarde.com>). Steps are as follows:
(Home page ⇒ Downloads ⇒ Bidder Manuals).
- b. The tenders will be received online through portal <https://mhrd.euniwizarde.com>. In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- c. Possession of Valid Class III Digital Signature Certificate (DSC) in the form of smart card/ e-Token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://mhrd.euniwizarde.com>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available on the web site <https://mhrd.euniwizarde.com> under the link 'DSC help'.

Tenderers are advised to follow the instructions provided in the 'User Guide and FAQ' for the e-Submission of the bids online through the ITI e-Wizard Portal for e-Procurement at <https://mhrd.euniwizarde.com>

- d. The bidder has to **"Request the tender"** to portal before the **"Date for Request tender document"**, to participate in bid submission.
7. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
 8. Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
 9. No deviation to the technical and commercial terms & conditions allowed.
 10. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bids

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Contact No.: 9434788182

NOTICE INVITING TENDER NO.: NITD/MME/DST-FIST/2020/2	Date: 05/11/2020
Sub: NOTICE INVITING E-TENDER FOR “SUPPLY AND INSTALLATION OF A ARC MELTING CUM CASTING UNIT UNDER PROJECT DST-FIST, NITD	

Invitation for Tender Offers

National Institute of Technology Durgapur invites online Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer/agent for a ARC MELTING CUM CASTING UNIT with (warranty period as stated) on site comprehensive warranty from the date of installation of the material as per terms & conditions specified in the tender document, which is available on ITI e-Wizard Portal of MHRD <https://mhrd.euniwizarde.com>

TECHNICAL SPECIFICATIONS:

Arc melting cum casting unit:

1. Arc Melting system: Double-walled, water-cooled high vacuum chamber (volume > 0.018 m³)
2. Melting charges: up to 200 g. In very pure inert gas atmosphere (Ar, He) up to max. 2000 mbar.
Total leak rate: < 1x10⁻⁶ mbar l/s.
3. Suitable for metals with high melting points. Temperature of the arc: ~ 3500°C.
4. Ultimate vacuum: should not be less than 10⁻⁵ mbar using the turbomolecular pump before argon purging.
5. Melting only: Water-cooled crucible plate made of high-purity copper with standard or customized moulds.
6. Options which can be built in or retrofitted:
 - Casting option with turnable crucible which allows in situ casting after melting without opening the system.
 - Suction casting option for melting and casting rods or platelets by adjustable suction force to make nanocrystalline / amorphous rods
7. Crucible plates and casting inserts can be customized according to requirements
8. Motor-driven, water-cooled tungsten electrode diam. ~6.35 mm, freely movable above the crucible moulds.
9. All important control functions are integrated in the control panel above the electrode and allow safe and easy operation.
10. Electric drive for easy lifting of the chamber.
11. Sample manipulator for turning the samples in situ without opening the vacuum chamber.
12. Observation window with eye protection glass.

13. Compact system in movable rack with integrated high vacuum pumping system and high vacuum measuring gauge.
14. Powerful generator (10 – 400 A) with contactless ignition of the arc.
15. Safety functions:
 - Emergency stop button
 - Sensor for chamber lift
 - Sensors for protection glasses of observation windows
 - Cooling water flow control
 - Automatic cut-off of the generator in case of lack of cooling water, overheating, or removal of protection glasses

The following further requirements should be accomplished

S.N.	Requirements
1	The equipment must be able to melt ferrous, non-ferrous, noble and refractory metals and alloys from 200°C -3500°C under high vacuum and /or inert gas without contamination.
2	One water cooled copper crucibles should be provided with an ingot size ~200 g per charge. One separate customized water cooled copper moulds for various charge capacity in various shapes and sizes (attached photo in Annexure-I) must be supplied.
3	The melting chamber should be accompanied with turbomolecular and rotary pumps.
4	Vacuum gauge (s) should be provided to measure high vacuum in the chamber at all stages of melting.
5	The chamber should be equipped with integrated W-electrode and a convenient viewing port to observe melting, electrode movement and the arc.
6	Electrode holder, equipped with tungsten electrode, must be placed in a convenient position to move up, down and also for swiveling movement must be motor-controlled.
7	The arc melting generator should be of contactless HF high voltage ignition type, operating in current range of 10A to 400A (preferably steplessly variable).
8	The machine should operate in 440 V and/ 220 V input voltage.
9	The unit must come with adjustable suction force (electric throttle valve) and foot-switch.
10	The suction casting unit and melting crucible should be an integrated type, such that both the arrangements can coexist without disturbing each other.
11	Sample manipulator for remelting should turn samples in-situ without opening chamber.
12	For cold water circulatory (chiller) to crucible, chamber, generator etc, highly insulated SS tank of capacity more than 40L is necessary and mounted on a frame of sufficient strength.
13	The chiller should have power back (UPS) for at least 15 to 20 minutes.
14	The pump must be on a vibration free mount and a valve to regulate the water flow. A flow rate of 4-6 liters per minute and 4 bar pressure or better must be achieved.
15	The unit must have following safety features: cooling water flow control, eye protection windows and automatic power off in case of problem of water cooling or overheating.
16	Minimum three-year warranty for entire items and spare parts support for 10 years. Two year AMC (fourth and fifth year) which includes breakdown and periodic visits, after completion of the warranty period.
17	Vendor should provide a list of users in India which include at least three NITs/IITs, where similar equipment has been supplied with pamphlets/brochure for technical compliance. The installation certificates from the institutes must be submitted.
18	The vendor may be called for a presentation (with video demonstration) for technical compliance and further clarification.
19	The vendor will be responsible for installation, operation and initial training of users.

20	The following spares should be provided additional during delivery: W-electrode (2 pcs) and rubber O-ring (2 pcs).
21	The vendor should provide adequate spares and consumables to run the facility right after the installation, such that some alloys (e.g. low carbon steel) up to 200 g capacity can be melted:
22	The vendor must provide financial quote for ex- price NIT Durgapur (no other place), taking into account entire costs before handing over the operation.
23	The tender is subjected to cancellation if no vendor is found suitable or other reason (s).
24	Delivery period should be within 180 days after receiving the purchase order.

Validity of quotation required: 90 days

Delivery Period: 90 to 120 days from the date of placement of Official purchase order

Payment: 100 % on commissioning and on submission of PBG (Performance Bank Guarantee)

Place of Delivery: Department of Metallurgical & Materials Engineering, NIT, Durgapur

Installation / commissioning / demonstration requirement: Installation and commissioning at Department of Metallurgical & Materials Engineering, NIT, Durgapur.

A complete set of tender documents may be downloaded by prospective bidders from the website <https://mhrd.euniwizarde.com>

Documents to be submitted in the Technical Folder:

1. Digitally signed copy of the filled in Notice Inviting Tender (NIT)
2. Detailed technical specifications and literature/ drawings/ manuals of the goods/ services have to be supplied
3. Authorized dealership certificate from the original manufacturer, if applicable,
4. Scanned copy of EMD or Xerox copy of EMD exemption certificate as per “Terms & Conditions Details: Serial No.-3” whichever applicable .
5. List of Other Important Documents (OID)

Sl. No.	Category	Sub Category	Sub Category Description
1	Certificate Details	GST Registration Certificate	GST Registration Certificate
		Partnership Deed (If applicable)	Partnership Deed
		Permanent Account Number	Permanent Account Number Details
		Power of Attorney (If applicable)	Power of Attorney
		Registration Certificate	The trade licence/Establishment certificate
2	Purchase Order Details	Purchase Orders - 1	Purchase Orders - 1
3	Work Details	Work Completed Certificate Copies	Work Completed Certificate Copies(Should be at least 40 % of the total quoted amount and should be of similar type of supply/works)

Terms & Conditions Details

Sl. No.	Particulars / Specification
1	Due date: The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.
2	Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid . The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format. The Technical bid and the financial bid should be submitted Online.
3	EMD (if applicable): The bidder should submit an EMD amount online through RTGS/NEFT– in favour of SRCC NIT Durgapur, payable at Durgapur, in any nationalized bank. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. <i>Earnest Money Deposit (EMD / Bid Security (BS) has to be submitted by bidders except those who are registered with National Small Industries Corporation (NSIC)/ Ministry of Micro Small Medium Enterprises(MSME) or as per GFR 2017 guidelines. Scanned copy of EMD should be attached with the NIT Document in Pdf format.</i>
4	Refund of EMD: The EMD will be returned to unsuccessful bidders only after the tenders are finalized. In case of successful bidder, it will be retained till the successful and complete installation of the equipment and on submission of performance/security deposit.
5	Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at “Annexure: Schedule” in presence of representative each bidder if available. Only one representative of each bidder will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.
6	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.
7	Pre-qualification criteria: (i) Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed. (ii) An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Ref. Annexure-II) (iv) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid. (v) In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. (vi) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
8	Performance Security/ Performance bank Guarantee (PBG): The supplier shall require to submit the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount which is stated in the tender document, within 42 days from the date of receipt of the purchase order/LC and should be kept valid for a period of 60 days beyond the date of completion of warranty period or the same will be deduced from the bill/ invoice before payment is made. The same will be released on application by the supplier after the said interval (warranty period).
9	Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. • For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity,

	<p>wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.</p> <ul style="list-style-type: none"> • If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
10	Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
11	<p>Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following:</p> <ol style="list-style-type: none"> Item Nomenclature Order/Contract No. Country of Origin of Goods Supplier's Name and Address Consignee details Packing list reference number
12	<p>Delivery and Documents:</p> <p>Delivery of the goods should be made within a maximum of 120 days from the date of placement of official purchase order. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:</p> <ol style="list-style-type: none"> 4 Copies of the Supplier invoice showing contract number, goods' description, quantity, unit price, total amount; Insurance Certificate if applicable; Manufacturer's/Supplier's warranty certificate; Inspection Certificate issued by the nominated inspection agency, if any Supplier's factory inspection report; and Certificate of Origin (if possible by the beneficiary); Two copies of the packing list identifying the contents of each package. The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses <ol style="list-style-type: none"> Vendor must be ISO 9001: 2015 certified. Certificate copy must be submitted along with offer. If required, the vendor should arrange for demonstration of the equipment based on NIT Durgapur's request. Authorized dealership certificate from the original manufacturer, if applicable. <p>(All above Documents should be attached with the NIT Document in pdf format).</p>
13	Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.
14	<p>Prices:</p> <ol style="list-style-type: none"> The contract shall be for the full quantity as described above All duties, entry taxes, transport, insurance and other levies payable by the contractor under the contract shall be included in the total price F.O.R. NIT Durgapur. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustments on any account. <p>d) The base price includes all type of prices except GST etc.</p>
15	<p>Notices: For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.</p> <p>Purchaser H.o.D, MME, Dr. Madan Mohan Ghosh Associate Professor, Department of Metallurgical & Materials Engineering National Institute of Technology, Durgapur – 713209</p> <p>Supplier: (To be filled in by the supplier)</p>

	(All supplier's should submit its supplies information as per Annexure-II).
16	<p>Progress of Supply: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under:</p> <ol style="list-style-type: none"> 1. Quantity offered for inspection and date; 2. Quantity accepted/rejected by inspecting agency and date; 3. Quantity dispatched/delivered to consignees and date; 4. Quantity where incidental services have been satisfactorily completed with date; 5. Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date; 6. Date of completion of entire Contract including incidental services, if any; and 7. Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified). <p>Inspection and Tests: Inspection and tests prior to shipment of Goods and at final acceptance are as follows:</p> <ul style="list-style-type: none"> • After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser shall be present at the supplier's premises during such inspection and testing if need is felt. The location where the inspection is required to be conducted should be clearly indicated. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance. • The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. • In the event of the ordered item failing to pass the acceptance test, a period not exceeding one weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. • Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.
17	<p>Resolution of Disputes: The dispute resolution mechanism to be applied pursuant shall be as follows:</p> <ul style="list-style-type: none"> • In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996. The dispute shall be referred to the Director, National Institute of Technology Durgapur and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him and willing to act as such Arbitrator. The award of the said arbitrator so appointed shall be final, conclusive and binding on all parties to this order. • In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. • The venue of the arbitration shall be the place from where the order is issued.
18	Applicable Law: Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
19	Right to Use Defective Goods

	If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
20	Supplier Integrity The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.
21	Training The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the equipment.
22	Installation & Demonstration Installation and demonstration of the equipment within one month of the arrival of materials at the NIT Durgapur will be carried out at the site of installation. In case of any mishap/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. NIT Durgapur will not be liable to any type of losses in any form.
23	Warranty: (i) Warranty period shall be from date of installation of Goods at the NIT Durgapur site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site. (ii) The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately within 02 weeks arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for rectification of defects in the warranty period is 02 weeks. If the supplier having been notified fails to remedy the defects within 01 weeks, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract. (iii) The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty may also be mentioned. The comprehensive onsite warranty will commence from the date of the satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components. (iv) After the warranty period is over, Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next two years should be started. The AMC/CMC charges will not be included in computing the total cost of the equipment.
24	Governing Language The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.
25	Applicable Law The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.
26	Notices <ul style="list-style-type: none"> Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, FAX or e mail and confirmed in writing to the other party's address. A notice shall be effective when delivered or on the notice's effective date, whichever is later.
27	Taxes Suppliers shall be entirely responsible for all taxes, duties, license fees, road permits, etc., incurred

	until delivery of the contracted Goods to the Purchaser. However, GST in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.
28	<p>Duties</p> <p>NIT Durgapur is exempted from paying custom duty and necessary “Custom Duty Exemption Certificate” can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only.</p> <p>a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists) b) Forwarder details i.e. Name, Contact No., etc.</p> <p>NIT Durgapur is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.</p> <p>b) Quotation with details of Basic Price, Rate, Tax & Amount on which ED is applicable c) Supply Order Copy d) Proforma-Invoice Copy.</p>
29	<p>Payment:</p> <p>(i) For imported items Payment will be made through irrevocable Letter of Credit (LC) Cash Against Documents (CAD)/Against delivery/after satisfactory installation by T.T. Letter of Credit (LC) will be established in favour of foreign Supplier after the submission of performance security. The letter of credit (LC) will be established on the exchange rates as applicable on the date of establishment. For Imports, LC will be opened for 100% FOB/CIF value. 80% of the LC amount shall be released on presentation of complete and clear shipping documents and 20% of the LC amount shall be released after the installation and demonstration of the equipment at the INST site of installation in faultless working condition for period of 60 days from the date of the satisfactory installation and subject to the production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.</p> <p>(ii) For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at NIT Durgapur in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.</p> <p>(iii) Indian Agency commission (IAC), if any shall be paid after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&D registration for restricted items.</p> <p>(iv) All the bank charges within India will be borne by the Institute and outside India will be borne by the supplier.</p> <p>100% payment shall be made by the Purchaser within 6 weeks after successful installation, commissioning and acceptance of the equipment at NIT Durgapur in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.</p>
30	User list: Brochure detailing technical specifications and performance, list of industrial and Educational establishments where the items enquired have been supplied must be provided. (Ref. Annexure-III)
31	<p>Manuals</p> <p>(i) Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.</p> <p>(ii) The Manuals shall be in the governing language (English) in such form and numbers as stated in the contract.</p> <p>(iii) Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.</p>
32	Application Specialist: The bidder should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office. (Ref. to Annexure-III)
33	Site Preparation: The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter. The supplier shall visit

	the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre installation requirements.
34	Defective Equipment: If any of the equipment supplied by the bidder is found to be sub-standard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the bidder with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 30 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, NIT Durgapur may consider “Banning” the supplier.
35	<p>Termination for Default</p> <p>The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:</p> <ol style="list-style-type: none"> If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order, or within any extension thereof granted by the Purchaser; or If the Supplier fails to perform any other obligation(s) under the Contract. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract. <p><input type="checkbox"/> For the purpose of this Clause:</p> <ol style="list-style-type: none"> “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Indenter, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Indenter of the benefits of free and open competition;” <p><input type="checkbox"/> In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.</p>
36	<p>Spare Parts</p> <p>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ol style="list-style-type: none"> Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and In the event of termination of production of the spare parts: Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested. Vendor must ensure availability of spare parts for minimum of five years after commissioning. <p>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</p>
37	Downtime: During the warranty period not more than 5 % downtime will be permissible. For everyday exceeding permissible downtime, penalty of 1/365 of the 5 % FOB value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business houres.
38	Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises,

	immediately after completing the installation of the equipment for a minimum period of one days at the supplier's cost.
39	Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located in Durgapur
40	Compliance certificate: This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)
41	All other terms and conditions of GFR 2017 of the Government of India will be applicable.

ANNEXURE-I

Name of the Equipment: ARC MELTING CUM CASTING UNIT		
<u>GENERAL SPECIFICATION/ COMPLIANCE SHEET</u>		
Sl. No.	Specification/Detailed Description	COMPLIANCE (Y/N)
1	Arc Melting system: Double-walled, water-cooled high vacuum chamber (volume > 0.018 m ³)	
2	Melting charges: up to 200 g. In very pure inert gas atmosphere (Ar, He) up to max. 2000 mbar. Total leak rate: < 1x10 ⁻⁶ mbar l/s.	
3	Suitable for metals with high melting points. Temperature of the arc: ~ 3500°C.	
4	Ultimate vacuum: should not be less than 10 ⁻⁵ mbar using the turbomolecular pump before argon purging.	
5	Melting only: Water-cooled crucible plate made of high-purity copper with standard or customized moulds.	
6	Options which can be built in or retrofitted: <ul style="list-style-type: none"> ➤ Casting option with turnable crucible which allows in situ casting after melting without opening the system. ➤ Suction casting option for melting and casting rods or platelets by adjustable suction force to make nanocrystalline / amorphous rods 	
7	Crucible plates and casting inserts can be customized according to requirements	
8	Motor-driven, water-cooled tungsten electrode diam. ~6.35 mm, freely movable above the crucible moulds.	
9	All important control functions are integrated in the control panel above the electrode and allow safe and easy operation.	
10	Electric drive for easy lifting of the chamber.	
11	Sample manipulator for turning the samples in situ without opening the vacuum chamber.	
12	Observation window with eye protection glass.	
13	Compact system in movable rack with integrated high vacuum pumping system and high vacuum measuring gauge.	
14	Powerful generator (10 – 400 A) with contactless ignition of the arc.	
15	Safety functions: <ul style="list-style-type: none"> ➤ Emergency stop button ➤ Sensor for chamber lift ➤ Sensors for protection glasses of observation windows ➤ Cooling water flow control ➤ Automatic cut-off of the generator in case of lack of cooling water, overheating, or removal of protection glasses 	
Other Terms & Conditions		
16	Validity of quotation required : 90 days	
	Warranty : 03 years comprehensive on-site	
	Payment : 100 % on commissioning and on submission of PBG (Performance Bank Guarantee)	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder with date:

Name:

Designation:

Organization Name:

Contact No. :

E-mail Id:

ANNEXURE-II

<<Organization Letter Head>>

DECLARATION SHEET

We/I, _____ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to NIT Durgapur.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
Phone No.:	
Fax	
E-mail	
Contact Person Name	
Mobile Number	
TIN Number	
PAN Number	
(In case of on-line payment of EMD) RTGS/NEFT challan No (For EMD) with date: UTR :	

(Signature of the Tenderer with date)

Name:

Seal of the Company

ANNEXURE-III

LIST OF GOVT. ORGANIZATION/DEPTT

List of Government Organizations for whom the Bidder has undertaken such work during last two years (must be supported with work orders)			
Sl. No.	Name of the organization with address	Name of Contact Person	Contact No.

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.			
Sl. No.	Name of the organization with address	Name of Contact Person	Contact No.

Signature of Bidder with date

Name:

Designation:

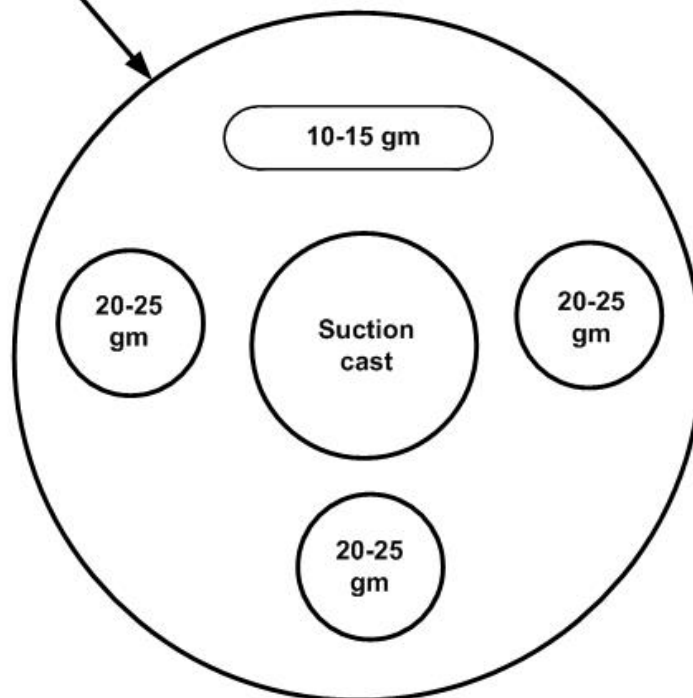
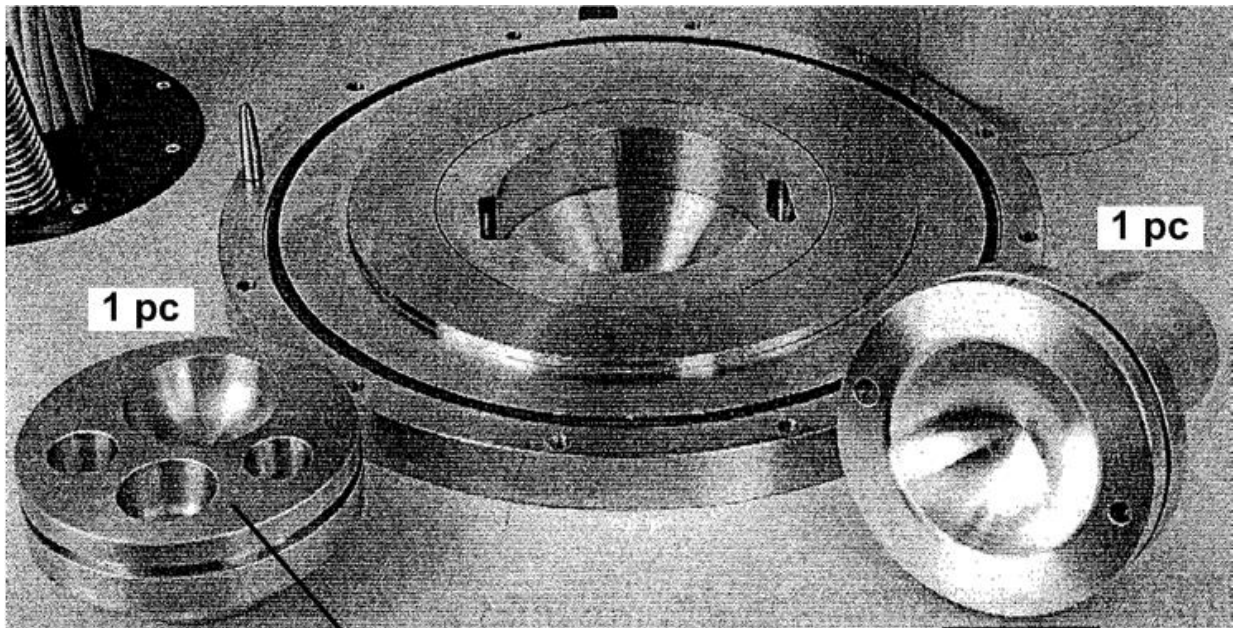
Organization Name:

Contact No. :

E-mail Id:

ANNEXURE-IV

Arc melting crucibles (200 gm (1 pc) and customized (1 pc))



Groove details

SUBMISSION OF BID

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below:

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	Documents	Content	File Types
1	TECHNICAL BID	Compliance Sheet as per Annexure – I	.PDF
2		Organization Declaration Sheet as per Annexure – II	.PDF
3		List of organizations/ clients where the same products have been supplied (in last two years) along with their Contact number(s). (Annexure-III)	.PDF
4		Technical supporting documents in support of all claims	.PDF
Envelope – 2			
Sl. No.	TYPES	Content	File Types
1	Financial Bid	Price bid should be submitted in .xls format	. xls