

	<p style="text-align: center;"><b>INDIAN INSTITUTE OF TECHNOLOGY MADRAS</b> <b>Chennai 600 036</b></p> <p style="text-align: center;">Telephone: (044) 2257 4777 E-mail: nvrk@iitm.ac.in</p>	
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Dr. N.V. Ravi Kumar  
Project Coordinator

Ref: MET/RAVK/2018/2168/SPLX  
Dated: 12.02.2019

Limited Tender No: Ref: MET/RAVK/2018/2168/SPLX

**Due Date: 26.02.2019, 4:00pm**

**Pre-Bid meeting: - Not required.**

**Technical Bid opening meeting on Due Date: 26.02.2019, 4:30pm**

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, offers are invited for the supply of **“High Temperature Furnace”** conforming to the specifications given in **(Annexure-I)**:

**Instructions to the Bidder**

- I. **Preparation of Bids:** - The Limited tenders should be submitted under one bid system (i.e.) Technical-cum-Financial bid.
- II. **Delivery of the tender:** - The tender shall be sent to the below-mentioned addresses either by post or by courier so as to reach the following address before the due date and time specified in our Schedule:  
**Dr. N.V. Ravi Kumar**  
**Department of Metallurgical & Materials Engg,**  
**IIT Madras**  
**Chennai - 600 036.**
- III. **Opening of the tender:** - The offer/Bids will be opened by a committee duly constituted for this purpose.

**Prices:** - The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges to **Department of Metallurgical & Materials Engg.**

The offer/bid should be exclusive of taxes and duties. The percentage of tax & duties should be clearly indicated separately. IIT Madras is eligible for concessional GST and relevant certificate will be issued.

In case of import supply, the price should be quoted without custom duty. IIT Madras is exempted from levy of IGST on Imports and eligible for concessional custom duty (not exceeding 5%) and the price should be quoted on EX-WORKS and CIP basis indicating the mode of shipment.

- IV. **Agency Commission:** - Agency commission, if any, will be paid to the Indian agents in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent. The foreign Principal should indicate about the percentage of payment and it should be included in the originally quoted basic price, if any.
- V. **Terms of Delivery:** - The item should be supplied to our Departments as per Purchase Order. In case of import supply, the item should be delivered at the cost of the supplier to our Institution. The Installation/Commissioning should be completed as specified in our important conditions.
- VI. **Technical-cum-financial bid opening:** The bids will be opened on **26.02.2019, 4:30pm** at the Department of Metallurgical & Materials Engg, IIT Madras.
- VII. IIT Madras reserves the full right to accept / reject any tender at stage without assigning any reason.

Yours sincerely,

**Dr. N.V. Ravi Kumar**  
**Department of Metallurgical & Materials Engg,**  
**IIT Madras**  
**Chennai - 600 036**

## SCHEDULE

### Important Conditions of the tender

1. The due date for the submission of the tender is **26.02.2019, 4:00pm**.  
The offers / bids should be submitted in one bid systems (i.e.) Technical-cum-financial bid. Also, it should contain all Commercial Terms and Conditions including Taxes, transportation, packing & forwarding, installation, guarantee, payment terms, pricing terms etc. The bid should be put in cover and sealed. The Limited Tender for supply of "**High Temperature Furnace**" should be written on the left side of the cover.
2. If an Indian agent is involved, the following documents must be enclosed:  
Foreign principal's proforma invoice indicating the commission payable to the Indian Agent and nature of after-sales service to be rendered by the Indian Agent.
  - ✓ Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.
3. Original catalogue (not any photocopy) of the quoted model duly signed by the principals must accompany the quotation in the Technical-cum-financial bid.
4. Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal.
5. **Validity:** Validity of Quotation not less than 60 days from the due date of tender.
6. **Delivery Schedule:** - The tenderer should indicate clearly the time required for delivery of the item. In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.
7. **Risk Purchase Clause:** - In the 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 other sources on the total risk of the supplier under risk purchase clause.
8. **Payment:** -
  - i. No Advance payment will be made for Indigenous purchase. However 90% Payment against Delivery and 10% after installation are agreed to wherever the installation is involved. In case of import supplies the payment will be made only through 100% Letter of Credit i.e. (90% payment will be released against shipping documents and 10% after successful installation wherever the installation is being done).
  - ii. **Advance Payment:** - No advance payment is generally admissible. In case of specific percentage of advance payment is required, the Foreign Vendor has to submit a Bank Guarantee equal to the amount of advance payment and it should be routed through the Beneficiary Bank to the end user Bank. Otherwise, the Indian Agent of the foreign vendor has to submit a Bank Guarantee through a Nationalized Bank of India.

9. **Warranty/Guarantee:** - The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately. (For more details please refer our Technical Specifications).
10. **Late offer:** - The offers received after the due date and time will not be considered. The Institute shall not be responsible for the late receipt of Tender on account of Postal, Courier or any other delay.
11. **Acceptance and Rejection:** - I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.
12. **Do not quote the optional items or additional items unless otherwise mentioned in the Tender documents / Specifications.**
13. **Disputes and Jurisdiction:** -
  - a. **Settlement of Disputes:** Any dispute, controversy or claim arising out of or in connection with this PO including any question regarding its existence, validity, breach or termination, shall in the first instance be attempted to be resolved amicably by both the Parties. If attempts for such amicable resolution fails or no decision is reached within 30 days whichever is earlier, then such disputes shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Unless the Parties agree on a sole arbitrator, within 30 days from the receipt of a written request by one Party from the other Party to so agree, the arbitral panel shall comprise of three arbitrators. In that event, the supplier will nominate one arbitrator and the Project Coordinator of IITM shall nominate one arbitrator. The Dean IC&SR will nominate the Presiding Arbitrator of the arbitral tribunal. The arbitration proceedings shall be carried out in English language. The cost of arbitration and fees of the arbitrator(s) shall be shared equally by the Parties. The seat of arbitration shall be at IC&SR IIT Madras, Chennai..
  - b. **The Applicable Law:** This Purchase Order shall be construed, interpreted and governed by the Laws of India, Court at Chennai shall have exclusive jurisdiction subject to the arbitration clause.
  - c. Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Chennai in Tamil Nadu.
14. All Amendments, time extension, clarifications etc., will be uploaded on the website only and will not be published in newspapers. Bidders should regularly visit the above website to keep themselves updated. No extension in the bid due date/ time shall be considered on account of delay in receipt of any document by mail.

**Acknowledgement:** - It is hereby acknowledged that the tenderer has gone through all the conditions mentioned above and agrees to abide by them.

**SIGNATURE OF TENDERER  
ALONG WITH SEAL OF THE COMPANY WITH DATE**

SPECIFICATIONS (by IIT Madras)	COMPLIANCE (YES/NO)	REMARKS
<p><b>TECHNICAL SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Maximum operating temperature: 1800 °C</li> <li>• Continuous operating temperature: 1700 °C</li> <li>• Heating element: Molybdenum disilicide rods</li> <li>• Tube dimensions: Min 60 mm ID, max 90mm OD</li> <li>• Useful heating zone: 150mm along the length</li> <li>• Heating rate 3 °C/min and above</li> <li>• Thermocouple: B type or another type which can measure from room temperature to 1800 °C</li> <li>• Skin Temperature: Not more than 40 °C above ambient temperature</li> <li>• Temperature indication and control: PID Temperature Programmer with at least 4 ramp/dwell segments</li> <li>• Water cooled flanges attached to furnace should come with pump</li> </ul>		
<p><b>GENERAL FEATURES</b></p> <ul style="list-style-type: none"> <li>• Good laboratory practice and Good manufacture practice compliant rust-proof casing</li> <li>• High quality insulation</li> <li>• High quality ceramic working tube</li> <li>• Active cooling of casing and flanges</li> <li>• Integrated switching and control unit with machine base</li> </ul>		

## **Terms and conditions**

- (1) A compliance statement must be provided clearly mentioning if the proposed technical specifications are matched and any additional features that the company may offer may be clearly indicated.
- (2) Warranty of at least one year must be provided.
- (3) Details on annual maintenance contract upon installation may be provided.
- (4) Installation, calibration and onsite training for the equipment are mandatory.
- (5) Presence of technical personnel and services in Chennai is desirable.
- (6) Spares and consumables should be provided.
- (7) Calibration samples must be provided, if necessary.
- (8) Details regarding installation in India during the past three years specifically to central funded technical institutions, government national laboratories should be provided. Certification from customers from the aforementioned institutions and laboratories will carry value.
- (9) Necessary optional spares should be quoted separately.
- (10) CIP Chennai quote must be indicated.

### **The firms are also required to submit/upload copies of the following documents along with the bid**

- a) Copy of PAN card in the name of firm/proprietor
- b) Copy of GST certificate/ GST number of the firm/proprietor
- c) Copy of RTGS/Bank details
- d) Manufacturer's authorization form if applicable
- e) The bidder must be a registered company as per the Companies Act 1956/2013. Necessary certificate shall be attached. The authorization business partner must submit letter of endorsement from the OEM, if applicable.
- f) The bidder should not have been banned/suspended/blacklisted for any reasons by any government organizations/PSU/CSIR lab in the last 3 years. A self-certified letter must be submitted along with bid.