



**Indian Institute of Technology Bhilai**  
**District-Durg, Chhattisgarh, India – 491002**  
[www.iitbhilai.ac.in](http://www.iitbhilai.ac.in)

Enquiry No. IITBh/Goods/MSME/2024-25/644

Dated: 07-03-2025

**Notice Inviting Quotation (NIQ)**

**Sub: Inviting Quotation for Supply and Installation of Tubular Furnace 1450° C at IIT Bhilai.**

Department of MSME, Indian Institute of Technology Bhilai, would like to procure the following item. Bidders are advised to submit duly filled bids in the following format:

S. No.	Quotation Required For	No. of Units	Total Price in Rupees
1.	<b>Supply and Installation of Tubular Furnace 1450° C</b> (Specifications as per Annexure-1)	01	
2.	Packing & Transportation Charges, if any		
3.	Any other charges, if any (Mention clearly)		
4.	GST in Rs.		
	Total of 1 to 4		

**Note:** GST should be quoted as per the Government norms, In case due to any error/ oversight, the GST quoted by the bidder is less than the actual rate as per tariff, the bidder will not be permitted to rectify the error/oversight. The orders/ contract will be placed for the total amount including the (lower) rate/s quoted by the bidder, with reduced basic amount to the extent of difference in tax amount, so that the total amount (basic + actual rate as per tariff), remains same(quoted basic + quoted rate). The difference amount payable, if any, between the quoted rate and actual rate as per tariff shall be borne by the bidder.

**We are inviting the detailed quotations for the above items in sealed envelopes to be submitted on or before 17-03-2025 by 12.00 PM at Department of MSME, IIT-Bhilai.**

**Terms and Conditions:**

1. The bidder who is meeting the above specifications and quoting the lowest rate for supply of required items will be awarded the contract.
2. Total value wise evaluation will be applicable to decide the lowest bid.
3. Prices should be in Indian Rupees and should be inclusive of all Taxes, Duties & FOR IIT Bhilai.
4. The items shall be required to be delivered to the office of Dr. Ashutosh Kumar, Department of MSME through Stores & Purchase Section of IIT Bhilai at the risk and cost of the bidder, if applicable.
5. Your Quotation must be valid for minimum of 90 days from the date of opening of tender.
6. The items should be as per the standard quality of material as mentioned in technical specifications.
7. The required items should be shared with the indenter before supplying the same to IIT Bhilai. Any request for a change should be acceptable to the supplier.
8. Warranty should be of 01 year from the date of supply & installation.

9. Delivery & Installation should be completed within 15 days from the date of purchase order.
10. GST Number should be clearly mentioned in your offer, failing which your offer may not be considered.
11. Advance payment is not admissible. Payment shall normally be made within 30 days subject to receipt and acceptance (as per Work Order Terms) of the ordered materials/items.
12. Any other information that you may like to obtain, you are free to contact IIT Bhilai through mail at [sp@iitbhilai.ac.in](mailto:sp@iitbhilai.ac.in) before submission of quote.
13. IIT Bhilai reserves the right to accept and/or to reject the bid without assigning any reason.
14. If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.
15. Tender may please be submitted in (closed and sealed Envelope) addressing as below, on or before 17-03-2025 by 12:00 PM in sealed cover only, super scribed with Enquiry No. & last date of receiving & subject as mentioned in NIQ.

**Stores and Purchase Section**  
Indian Institute of Technology, Bhilai  
Village-Kutelabhata, District-Durg,  
Chhattisgarh, India 491002

## Technical Specifications:

Grade	Standard
Working Temp (°C)	1400
Design Temp (°C)	1450
Control Accuracy	±5°C
Hot Zone (mm)	ID: 50; L:250
Uniform Hot Zone Length	80
Control Zone	Single
Construction in steel with anti corrosion coating	Dual Body Fan cooling
Work Tube	Replaceable
Work Tube Type	95% Alumina Tube: OD: 100mm, ID: 90 mm, L:1000 mm
Insulation	Non-carcinogenic Fibre Insulation
Heater type	Free radiating
Heater	SiC
SS Flange for Gas Purging	Double Viton O-ring SS flanges with KF 25 port for gas connection, 1/4" port for gas purging with ball valves, and a vacuum pump with analog vacuum gauge
Ceramic Fiber Radiation Shield	Radiation Shield for use during gas purging
Avg. heating rate	5°C/min or better
Thermocouple type	R
TC Protection Sheath	Ceramic Sheath
Control Panel	Programmable profile controller of 30 steps Phase angle fired Soft start soft stop Power tuned Solid state relay
Spares	Sample placement rod
Safety Features	TC Break Over current