



Indian Institute of Technology Bhilai
District-Durg, Chhattisgarh, India – 491002
www.iitbhilai.ac.in

Enquiry No. IITBh/Goods/MSME/2024-25/634

Dated: 05-03-2025

Notice Inviting Quotation (NIQ)

Sub: Inviting Quotation for Supply and Installation of Vacuum Slurry Mixer and Coating Machine with Dryer 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.	Supply and Installation of Vacuum Slurry Mixer and Coating Machine with Dryer (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 12-03-2025 by 3.00 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. Arvind Singh, 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 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 12-03-2025 by 03:00 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:

Voltage Input	AC220V / AC110V AC 50Hz, Single phase
Power	150 W
Stirring Speed	0 ~ 320 RPM; the inverter speed control with controller
Vacuum	≤-90~-95Kpa Vacuum: Built-in vacuum pump, the vacuum degree is higher than or equal to -80kPa.
Mixing Time	0 ~ 9999 minutes
Oscillation Mode	Adjustable-speed
Accessories Volume	50, 100, 150 ml, and 200 ml stainless steel vacuum drum Drum/jars are equipped with single-shaft blade stirring paddles The Drum/jars are equipped with dual-shaft planetary stirring paddles
Dimensions(L*W*H)	About 330*310*510mm or better
Weight	About 20kg or better

Description:

The automatic film coater is designed to produce consistent thick film with a heating cover. It has a unique driving system to produce smooth coating on all types of materials. The flat vacuum chuck is built in to hold substrate sheet on plate faster and easy, which is particularly useful when coating on thin substrate and make uniform tape casting. Heating cover with digital temperature controller can dry film after coating up to 200°C within ±1°C.

Features:

- Pushing speeds can be varied between 0 and 120 mm/sec to establish the most suitable application.
- Aluminum alloy flat vacuum plate with built in vacuum pump and allow you to put on or release substrate quickly.
- Built-in pushing bar for using micrometer adjustable applicator or frame film applicator.
- Adjustable position switch allows you set up a stroke from 10 - 300 mm.
- The heating cover is built in with digital temperature controller for drying film within 200°C within ±1°C.

Specifications:**Film Coater:**

- Coating Speed: 0 – 120 mm/sec, Variable
- Coating Speed Accuracy: 10 mm/sec
- Stroke Length: 10-300 mm, adjustable by adjustable position switch.
- Max Coating Dimension: 300(L) × 150(W) mm

- Vacuum Chuck:
- Platform: Aluminum Alloy Flat Plate with built-in vacuum chuck
- Vacuum Chuck: To hold the substrate.
- Chuck Size: L 415mm x W 200mm x H 30mm

Cover Heater:

- A built-in cover heater, heater is pre-installed on the top cover.
- Maximum Temperature: 200°C (130°C recommended)
- PID Temperature control
- Temperature accuracy: $\pm 1^\circ\text{C}$
- Vacuum Pump:
- Vacuum Pump: Inbuilt Oil Less Vacuum Pump
- Film Applicator:
- One micrometer adjustable Film applicator is included.
- Applicator width: 150mm
- Coating Thickness: 0.01 – 3.5 mm, adjustable
- Traverse pusher for pushing the Film Applicator
- Power in put: 220V AC, 50 Hz
- Dimensions: Approx. L560 × W420 × H370 mm
- Weight: 65 kg or better