

**Foundation for Innovation and Technology Transfer
(FITT)**

REF: FT/2024/03/84
Date: 11th March, 2025

Notice Inviting Quotation

Technical specifications for a PLC controlled metering bar coater module	
Sl. No	Technical Specifications
1	Metering bar module for a coater with 200 mm width for coating paper sheet, paper board, or polymer film.
2	The metering bar should have following features: <ul style="list-style-type: none">- At least two metering rods (wet film thickness 4-20 micron)- Adjustable speed (continuous) up to 25 m/min- Adjustable pneumatic pressure- Easily changeable blade- Microcontroller controlled (PLC operation, with touch screen, or alternatively, through digital control.
3	Accessories: Sample holder and metering rod set (4 Pieces) for paper / paper board / polymer film
4	A heatable coating pan with digitally controlled temperature
5	Easily changeable rod, blades, metering bar and other attachments.
6	Coater can run multiple coating methods with addition of suitable attachments. Coating method options should include Gravure, Blade, Metering bar, Air knife, Film and Size press.
7	Allowance for a quick exchange from one Coating method (System) to another one, ideally in less than 5 min
8	Easy to clean, all relevant rollers, rods, blades, etc. can be easily taken out for cleaning
9	Angle adjustment from rods, air knife and so on (if attachment included) are controlled and positioned by high resolution motor
10	Coater can run sheets and roll to roll(optional)
11	Coater should include diagnostic functions

Terms & Conditions Details

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

Opening of the tender: The bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened 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.

Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.

Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “technical bid” and “financial bid”) respectively.

Last date of submitting the bids will be 21st March, 2025 before 5:00 pm to :

The quote should reach the following address on or before last date.

Prof. Gaurav Goel

Professor, Department of Chemical Engineering

IIT Delhi, Hauz Khas, New Delhi- 110016

E-mail: krishan.kumar@chemical.iitd.ac.in ; krishan.iitd@gmail.com

Please quote prices for FOB New Delhi, inclusive of all taxes and duties.

Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Please specify all of your terms and conditions clearly, including delivery period.

Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.