



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR
GT ROAD, KALYANPUR, KANPUR – 208016
UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/ME/NS/Filament/2022/01

Global Tender Enquiry Ref. No.: IITK/75

Bid Submission End Date- 28.04.2022

Tender Document

For

“Purchase of Filament Maker Machine”

Tender document

Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Tender Ref. No.: IITK/ME/NS/Filament/2022/01

Bid Submission Start Date:01.04.2022

End Date: 28.04.2022 16:00 hrs

Sealed quotations are invited for Purchase of Filament Maker Machine in two bid system ie. Technical bid & Financial bid.

Both Technical bid and Financial bid in separate envelops must be kept in a big envelop which must be superscribed by **Name of Tender, Tender Reference number and bid submission end date.** Only Technically qualified bidders will be eligible for opening of financial bid.

The detailed specifications and address for bid submission is given below:

Filament Maker Machine Specifications:

Filament Maker Overview	Temperature max. Band heater Heating zones Purpose	Max temperature -450 °C Ceramic 4 For mixing, compounding & experimentation
	Compatible materials	PLA, ABS, PC, PS, PETG, TPU, TPE, PPS, PVA, BioPE, NEW PET, PA(6,12, 66), PEEK, PC, PS, PEKK, PAEK, PEI, PSU, PES, PTFE, PVD+, and many more
	Independent controls	Yes
Output	RPM range	2- 15 RPM
	Filament diameter range	0.5- 3 mm (0.02- 0.12 inches)
	Optical sensor accuracy	43 microns (1.69 mils)
	Nozzle extruder	Diameter 4 mm (0.16 inches)- Replaceable
Extruder System	Screw/Barrel alloy	High chromium and molybdenum steel alloy
	Hardening treatment	Nitrided
	Compression	3 stage
	Extruder design	Swappable
	Extrusion screw type	Mixing screw
Energy	Consumption average	300- 400 W
	Consumption max.	1300 W
	Voltage	110- 230 V
	Frequency	50- 60 Hz
Capacity	Hopper volume	2 liters
	Spool holder	1
	Spool size	Diameter 240 mm (9.4 inches)

		Width 120 mm (4.7 inches)
Size & Weight	Dimensions	506 x 216 x 448 mm
		19.2 x 8.5 x 17.6 inches
	Weight	Extruder (Without box) 24.5 kg (54 lbs)
		Extruder + box 27 kg
Connection	Firmware updates	Regular updates
	Extrusion data analysis	

Quotations must reach on or before the bid submission end date to the address given below:

Dr. Niraj Sinha

Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur 208 016, India
Email: nsinha@iitk.ac.in, arunkp@iitk.ac.in

Terms and Conditions:

1. All equipment must be compatible with Indian electrical standards and codes. Engineering documentation on the physical sizes and weights of all major and minor components must be submitted.
2. TENDER Specific Manufacturer Authorization Form from OEM Required.
3. IIT Kanpur is partially exempted from payment of GST (@5% only), IIT Kanpur will provide GST exemption certificate for the same (Govt. Notification and date of issue: 47/2017-Integrated Tax (Rate), dt. 14-11-2017).
4. Installation by OEM is preferred.
5. Quotes should have minimum validity of 90 days.
6. Please provide official email ID for conversation post quotation opening.
7. IIT Kanpur 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 reason.
8. Warranty should be clearly mentioned. Onsite warranty should be provided.
9. Supplier are advised to submit the quotation on F.O.R basis if participating in Indian currency or CIP & F.O.B basis both if participating in foreign currency.
10. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate
11. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Declaration for Local Content

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above
Rs.10 Crores)**

Date: _____

To,
The Director,
Indian Institute of Technology Kanpur,
GT Road, Kalyanpur, Kanpur -208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has ____% local content.

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

“False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”

**Yours Faithfully,
(Signature of the Bidder, with Official Seal)**