

Global Tender No. IITH/BME/SUBHA/2025/S/EMAIL/T059G

Dated: 18.02.2025

Indian Institute of Technology Hyderabad invites bids for "**3D Printer Hardwarre- DLP or MicroSLA.**"

#### Schedule of Dates

Sr. No	Particulars	Date	Time
1	Bid Submission Start Date	18.02.2025	12:00 hrs
2	Bid Submission Close Date	25.02.2025	12:00 hrs
3	Opening of Technical Bids	26.02.2025	15:00 hrs

#### INSTRUCTIONS FOR ONLINE BID SUBMISSION

The Bidders are requested to forward the password protected Technical Bid and password protected Price Bid to the following email IDs on or before the due date. In all, there should be two attachments in favour of "The Director, Indian Institute of Technology Hyderabad, Kandi, Telangana, India 502285" .

- i) Technical Bid with all the Details and Annexures
- ii) Price Bid /Commercial Bid

The Passwords should be different for the Technical Bid and Price Bid. If the Technical Bid is exceeding the size limit for attachment, it can be split into different files (e.g. Tech Bid 1, Tech Bid 2 , so on and so forth)

Indentor Mail id: [subharath@bme.iith.ac.in](mailto:subharath@bme.iith.ac.in)

For Commercial Query:

[hos.snp@iith.ac.in](mailto:hos.snp@iith.ac.in)

[ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

[ar.stores@iith.ac.in](mailto:ar.stores@iith.ac.in)

[office.stores@iith.ac.in](mailto:office.stores@iith.ac.in)

After the due date & time of submission of bids, the bidders will receive mail from any of the above email IDs requesting to share the password of the Technical Bid. The password will be shared only on receipt of the mail from above IDs after the due date and not prior to that.

Once the bidders are technically qualified, the password for the Price Bid will be sought from the above mentioned email IDs.

Terms and Conditions are as follows:

**1. Preparation of Bids:** The tender should be submitted under two bid system (i.e) 1. Technical Bid & 2. Commercial/Financial Bid

**Technical Specifications:** It must be ensured that the offers must be strictly as per our specifications. At the same time, it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation must be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore, the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.

**Compliance Statements:**

- i) Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at ANNEXURE-‘B’. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- ii) The firms are advised to submit the compliance statements essentially along with their quotation failing which their offer will not be considered.

**2. Opening of the Tender:** The offers/Bids will be opened by the committee constituted for this purpose. The technical bids will be evaluated first by the committee and after meeting the technical offer if the committee recommends the financial bid will be opened.

**3. Delivery Period / Timeliness:** Delivery and installation should be completed within 1 month from the date of issue of purchase order.

**4. Bid Validity Period:** The prices must be valid at least for a period of 90 days from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later IIT Hyd may ask for the BIDDER’s consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request. A BIDDER agreeing to the request for extension will not be permitted to modify his bid.

Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

**5. AWARD OF CONTRACT:** IIT Hyd, shall award the contract to the bidder if it is technically and commercially qualified.

6. IIT Hyderabad reserves the right to vary quantities at the time of Award of contract.

a. IIT Hyderabad reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of IIT Hyd, the quantities in the contract may be enhanced by 25% within the delivery period.

b. Firms which have already supplied similar equipment to IIT Hyd and have not completed required installation/commissioning/after sales service/warranty replacements etc. such firms offer will not be considered for further evaluation and no enquiries thereafter will be entertained.

### 7. Cargo Consolidation and Customs Clearance:

IIT Hyd has appointed its own Freight Forwarder and Custom House Agent for all the imports. Please note that all the consignments have to be routed through their associates only. The address and contact details will be provided at the time of placing the Purchase Order.

### 8. Fraud and Corruption:

IIT Hyd requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

#### (a) The terms set forth below are defined as follows:

(i) “**Corrupt practice**” means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

(ii) “**Fraudulent practice**” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) “**Collusive practice**” means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, non -competitive levels; and

(iv) **Coercive practice**” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract

(b) IIT Hyd will reject a proposal for award if it determines that Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in question

### 9. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, IIT Hyd’s interpretation of the clauses shall be final and binding on all parties.

### 10. Prices:

Bid prices should be filled in the appropriate format. The bidder should quote prices for each and every item/accessories/service separately

### 11. Bank Charges:

All Bank charges inside India, including opening of LC, to IIT Hyd Account and all charges outside India to Beneficiary's Account only. In case the BIDDER seeks confirmation of LC such confirmation charges are to the Beneficiary's account.

**12. Currency of Payment:** The contract price will be paid in the currency/currencies in which the price is stated in the contract.

### Bidders Quoting in Foreign Currency

- (i) The mode of shipment must be clearly mentioned in the Price Bid viz Ex-works, FCA, FOB, CIP, etc.
- (ii) Courier mode of shipments will not be acceptable. The Shipments must be dispatched under Cargo Mode only.
- (iii) The mode of shipment once mentioned cannot be changed without the consent of IIT Hyd.
- (iv) Any financial implication leading to change of mode of shipment or any deviation from the bid submitted shall be borne by the bidder.
- (v) The charges towards insurance and transportation of the goods and agency commission must be clearly mentioned.
- (vi) The installation, commissioning and training charges (If any) must be mentioned, else the price quoted will be taken as inclusive of installation, commissioning and training.
- (vii) The institute will not be responsible in case bidders fail to include any of the above mentioned prices in their bid. The price mentioned in the Price Bid will be final and the bidder has to comply with that, if awarded the tender.

C. IIT Hyd is exempted from payment of Customs Duty under notification No.51/96 dated 23.07.1996. No other charges than those mentioned clearly in the quotation will be paid.

**13. Pre-installation:** The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IIT Hyd the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment. The BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

### 14. Installation:

- a) BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- b) Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site, unless otherwise instructed by the Institute
- c) After successful installation what will be the minimum down time of equipment/instrument in

case of breakdown. If the identified firm or person fails to put the system into working condition what is the further alternative course of action suggested to adhere to minimum down time should be covered in the Technical Bid.

**15. Inspection:**

- a) If required the inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.
- b) In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the IIT Hyd.

**16. Training:** Wherever needed, Scientist/Technical persons of the Institute should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

**17. Warranty / Support: 3 yr. Warranty as per OEM.**

**18. Reasonability of Prices:** The prices quoted must be the prices applicable for a premiere Educational and Research Institute of national importance. The bidder must give details of identical or similar equipment, if any, supplied to other IITs/ IISERs/ CSIR lab/ CFTI's during last three years along with the final price paid and Performance certificate from them

**19. Annual Maintenance Contract:** If applicable the bidder must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable. No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after warranty period.

**20. Indemnity:** The vendor shall indemnify, protect and save IIT Hyd against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by the bidder/OEM.

**21. Freight & Insurance:**

a) **Imports:** In case of imports the freight & insurance will be paid by IIT Hyd , as the consignments are shipped through the IIT Hyderabad nominated freight forwarder (applicable only cases of FCA/FOB shipments).

**22. Payment:** - No advance payments are allowed. 100% payment will be released after delivery, installation and demonstration of the equipment and submission of the invoice with satisfactory report.

### **23. Liquidity Damage for delayed Services**

- i) As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to, failing which, IIT Hyd will forfeit SD and also LD clause will be applicable/enforced.
- ii) If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 0.5% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- iii) IIT Hyd reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

**24. Force Majeure:** IIT Hyd may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that the delay, in performance or other failure to perform its obligations under the Contract, is the result of a Force Majeure.

Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.) acts of states, the direct and indirect consequences of wars (declared or undeclared) hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises.

### **25. Dispute Settlement:**

IIT Hyd and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the IIT Hyd or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration.

Arbitration may be commenced prior to or after delivery of the Goods under the Contract. The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

(a) In case of Dispute or difference arising between the IIT Hyd and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director IIT Hyd, if he is unable/ unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

(b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The venue of the arbitration shall be the place from where the purchase order or contract is issued.

**26. Jurisdiction:** The disputes, legal matters, court matters, if any, shall be subject to Hyderabad Jurisdiction only.

**For any technical query related to enquiry you may to contact**

Dr. Subha Narayan Rath, Department of BME – Email: [subharath@bme.iith.ac.in](mailto:subharath@bme.iith.ac.in)

**For Commercial query**

Mr. Ramesh Kumar - Assistant Registrar, Email: [ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in), [ar.stores@iith.ac.in](mailto:ar.stores@iith.ac.in)

Mr. M Venkatesh – Senior Assistant Registrar, Email: [ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

Ms. Chanchal Devi – Joint Registrar, Email : [hos.snp@iith.ac.in](mailto:hos.snp@iith.ac.in)

With CC: [office.stores@iith.ac.in](mailto:office.stores@iith.ac.in)

## **Technical Specifications:**

The printer should have a high lateral optical resolution, typically in the range of 10-20  $\mu\text{m}$ , to enable the fabrication of small microfluidic features.

The printer should be able to achieve a high fabrication resolution for microchannels, ideally in the range of 20  $\mu\text{m} \times 20 \mu\text{m}$  or smaller.

The printer should allow for the precise control of various print parameters, including optical irradiance, exposure time, projection region, and step distance, to optimize the printing process.

It must support various materials that can be printed at temperatures up to 100°C.

The printer should be compatible with resins suitable for microfluidic applications, such as the HTL resin.

It must function optimally within a temperature range of 15-30°C and in environments with 30-70% non-condensing humidity.

It should have an auto-calibrating high power UV LED light source with a wavelength range of 365nm to 405nm.

The printer must have protective mechanisms like automatic shutdown and door interlock.

It should offer multiple connectivity options, including USB, Ethernet, and Wi-Fi.

Suitable software should be provided for complete control of the machine and associated parameters.

The printing should be based on CAD-CAM based software to control the final product and should support various file formats. Otherwise, an easy integration with any common software should be available. The software types should be clearly mentioned for easy use.

The printer should enable batch manufacturing of multiple microfluidic devices in a single print run.

It should offer superior surface finish.

Easy to clean and sterilize.

Essential accessories like resin vats and build plates should be included, with optional add-ons such as different resin types and post-curing units.

Unique additional features are preferable and must be mentioned.

All required additional stuff must be mentioned and the quotation should be given.

## **General requirements:**

1. Necessary high end computer/laptop has to be supplied. The preferred specifications would be: Intel i7, Octacore processor (performance mark should be higher) or higher, 12<sup>th</sup> generation or higher, 16GB RAM, 512GB SSD or higher.
2. Operating systems supported Windows 11 (64-bit) or higher.
3. Power supply for both units and cables. Voltage option should be 220-240 V.
4. Necessary electronic cards/interfaces for data transfer to computer.



5. Support drivers and/or SDK for interfacing / operations.
6. All possible adapters and required accessories should be included.
7. Warranty terms to be mentioned.

**Following details must also be provided:**

1. Service: Response and repair time (regarding repairs covered by the warranty and repairs to be invoiced separately). Specify the service centers and the authorized service personnel's details.
2. Service agreement: Describe how the service agreements correspond with the warranty in the warranty period.
3. Trained technicians should install the instrument and ensure it is operating correctly and within specifications. Otherwise, proper manual should be provided to install it ourselves. Technical support must be warranted in installing and troubleshooting (in case of problems) with the recommended computer interfaces/OS.

**UNPRICED TECHNICAL BID**

**(Bidder should provide the following details on their Letterhead)**

Quotation No :

Date:

Name of the Bidder \_\_\_\_\_

Tender No. \_\_\_\_\_

Sr. No	Item Description	Country of Origin	Make & Model	HSN Code	Prices	Qty.
1						
2						
3						
4						

**Other Terms & Conditions**

1	Payment terms	:	
2	Delivery Period from the date of Issue of PO	:	
3	Warranty	:	
4	Any other additional terms	:	
n			

**FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS**

1	2	3	4	5	6
S. N.	Name of specifications/ part / Accessories of tender enquiry As per Chapter 4 of the Tender Document.	Specifications of quoted Model/ Item	Compliance Whether “YES” Or “NO”	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1					
2					
3					

Note : Bidders are required to fill this table as per the specifications given in the Chapter 4 of this Tender Document. The points need to be reproduced in the table at Column No 2 and then fill in the relevant details for each specification. Product Brochure should be attached.

Signature of the Bidder

Name

Stamp



Annexure – C

**PREVIOUS SUPPLY ORDER LIST FORMAT**

Order placed by <i>{ Full address of Purchaser }</i>	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactorily? <i>(Attach a certificate from the Purchaser/Consigner)</i>	Contact Person along with Telephone no., Fax no. and e- mail address.

Signature and Seal of the Manufacturer/ bidder .....

Place: Date

**Bidder INFORMATION FORM**

Company Name \_\_\_\_\_

Registration Number \_\_\_\_\_

Registered Address : \_\_\_\_\_

Name of Partners /Director : \_\_\_\_\_

City : \_\_\_\_\_

Postal Code : \_\_\_\_\_

Company's Establishment Year \_\_\_\_\_

Company's Nature of Business : \_\_\_\_\_

Company's Legal Status

(tick on appropriate option )

- 1) Limited Company
- 2) Undertaking
- 3) Joint Venture
- 4) Partnership
- 5) Others ( In case of Others please specify)

Company Category

- 1) Micro Unit as per MSME
- 2) Small Unit as per MSME



- 3) Medium Unit as per MSME
- 4) Ancillary Unit
- 5) SSI
- 6) Others (In case of Others please specify)

## CONTACT DETAILS

Contact Name :

Email Id : \_\_\_\_\_

Designation : \_\_\_\_\_ Phone No

Mobile No : \_\_\_\_\_

## BANK DETAILS

Name of Beneficiary : \_\_\_\_\_

A/c. No. CC/CD/SB/OD: \_\_\_\_\_

Name of Bank: \_\_\_\_\_

\_\_\_\_\_

IFSC NO. (Bank): \_\_\_\_\_

Branch Address and Branch Code: \_\_\_\_\_

## Other Details

PAN No. \_\_\_\_\_

GST No. \_\_\_\_\_

GeM Registration (If available) \_\_\_\_\_

**Annexure - E**

**ACCEPTANCE OF TENDER TERMS**

*(To be given on Company Letterhead)*

Date: DD/MM/YYYY

To  
The Director  
Indian Institute of Technology  
Hyderabad Kandi – 502  
285.Telangana, India

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' 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 (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 certify that all information furnished by the 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)

**Annexure - F**

**NO RELATIONSHIP CERTIFICATE**

*(On Company Letterhead)*

1. I/We hereby certify that I/We\* am/are\* related/not related(\*) to any officer of IIT Hyderabad. ( If Related provide the details of the employee)
2. I/We\* am/are\* aware that, if the facts subsequently proved to be false, my/our\* contract will be rescinded with forfeiture of E.M.D and security deposit and I/We\* shall be liable to make good the loss or damage resulting from such cancellation.
3. I/We also note that non-submission of this certificate will render my / our tender liable for rejection.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:





## ANNEXURE G

### CERTIFICATE BY BIDDER- DPIIT REGISTRATION

“ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a county, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp  
Of the Bidder



**Checklist for BIDDERS**

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non-relevant option

<b>Envelope-1(Technical-Bid)</b> (Following documents to be provided as single PDF file)				
Sl. No.	Documents	Content	File Types	Document Attached ( Yes /No )
1		UNPRICED TECHNICAL BID as per Annexure-‘A’	.PDF	( Yes /No )
2		Format of compliance statement of specification as per Annexure-‘B’	.PDF	( Yes /No )
3		Previous supply order format as per Annexure-‘C’	.PDF	( Yes /No )
4		Bidder Information form as per Annexure-‘D’	.PDF	( Yes /No )
5		Acceptance Of Tender Terms as per Annexure- ‘E’	.PDF	( Yes /No )
6		Relation Certificate as per Annexure- ‘F’	.PDF	( Yes /No )
7		Certificate For DPIIT Registration as per Annexure – ‘G’	.PDF	( Yes /No )
<b>Envelope-2(Financial-Bid)</b>				
Sl. No.	Documents	Content	File Types	Document Attached ( Yes /No )
1	Financial Bid	Price bid should be submitted in excel as per BoQ	.xls	( Yes /No )