



**IIITDM**  
KANCHEEPURAM

## TENDER NOTICE FOR PROCUREMENT

Tender Enquiry No: **IIITDMK/25-26/SP/3DPrinter/024 Dt27/02/26**



**Global Tender Enquiry  
(E-Procurement Mode)**

**For**

**Supply, Installation and Commissioning of  
Multi Jet and Thermal Jet Extrusion based 3D  
Bio printer**

**GLOBAL OPEN TENDER**  
**Notice Inviting E-Tender (E-Procurement Mode)**

Date: 27.02.2026

IIITDM Kancheepuram invites online bids (e-tender) in two bids systems, from OEM/Authorized distributors/Authorized dealer for the following item.

Item	:	<b>Supply, Installation and Commissioning of Multi Jet and Thermal Jet Extrusion based 3D Bio printer (Specification/Quantity details enclosed as Annexure-1)</b>
Tender Enquiry No	:	<b>IIITDMK/25-26/SP/3DPrinter/024 Dt27/02/26</b>
EMD	:	<b>All participating vendors have to submit a EMD of Rs.2,25,000/-</b>

**CRITICAL DATE SHEET**

<b>STAGE</b>	<b>DATE &amp; TIME</b>
Bid Submission End Date & Time	26 <sup>th</sup> March 2026 - 15:00 HRS
Bid Opening Date & Time	27 <sup>th</sup> March 2026 - 15:30 HRS

**Important:**

All communications are to be addressed to in the name of The Registrar, IIITD&M Kancheepuram only and not in the name of any officer and mails has to be sent to official purchase email id [purchase@iiitdm.ac.in](mailto:purchase@iiitdm.ac.in)

## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

The bidders are required to submit soft copies of their bid electronically on the CPP Portal, using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the CPP Portal, prepare their bids in accordance with the requirements and submit their bids online on the CPP Portal.

**For more information, bidders may visit the Portal (<https://eprocure.gov.in/eprocure/app>)**

### **1. REGISTRATION PROCESS ON ONLINE PORTAL**

- a) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- b) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- c) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- d) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode /eMudhra etc.), with their profile.
- e) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- f) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **2. BID PREPARATION**

- a) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- c) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- d) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” are available to them to upload such documents. These documents may be directly submitted from the “My Space are while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

**Note: This information is provided for understanding the bid submission process in the CPP Portal and may be noted that the Institute is not responsible for any delay / problem for uploading of document in the CPP Portal.**

**Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120- 4200462, 0120-4001002, 91-8826246593.**

## GENERAL TERMS AND CONDITIONS

1. The Bidders are requested to give detailed tender in two bid format.
 

<b>Bid-I</b>	:	<b>Technical Bid</b>
<b>Bid-II</b>	:	<b>Commercial Bid</b>
2. The tender document can be downloaded from the CPPP Portal <https://eprocure.gov.in/eprocure/app> OR Institute website- <https://www.iiitdm.ac.in/tender>
3. The duly filled tenders should be submitted on or before due date **15.00 HRS, 26<sup>th</sup> March 2026**. Extension of due date will not be entertained.
4. **Tenders submitted without following the two bid offer system will summarily be rejected. IIITDM Kancheepuram shall not be responsible for any delay in online submission.**
5. **Bid -1: Technical Bid**  
The online Technical bids should be uploaded containing the scanned copy of the following documents in (.pdf file)

1.	The technical bid compliance sheet & Eligibility Criteria	(Annexure-1)
2.	All participating vendors have to submit a EMD of Rs. 2,25,000/- and the scanned copy of EMD payment proof along with the Bid must be uploaded.	(Annexure-2)
3.	Bid Security Declaration form	(Annexure-3)
4.	Manufacturer's Authorization & Warranty Support Declaration	(Annexure-4)
5.	Bidders shall quote only those products in the bid that are not obsolete in the market and have at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.	(Annexure-5)
6.	<b>Experience Certificate:</b> Should have Supplied Two similar equipment costing Rs.50.00 Lakhs and above excluding taxes to reputed organizations/ research institutions/ Universities etc. in India on or after 1/1/2018 <b>(PO copies without any alteration/modification and copies of installation report to be enclosed)</b> (Past Experience details to give it in <b>Annexure -7)</b>	(Annexure-6)
7.	Item Description Leaflet	(Annexure-7)
8.	Declaration Regarding Clean Track/No Legal Action	(Annexure-8)
9.	Annual Maintenance Contract	(Annexure-9)
10.	Acceptance of Tender Terms	(Annexure-10)
11.	No Relation Certificate	(Annexure-11)
12.	Land Border Declaration	(Annexure-12)

Bids should have a validity of **180 days**. The technical offer should not contain any information on price.

**Important:**

The Technical bid consisting of all annexures and other documents should be serially numbered and to be uploaded as a single pdf file and the page number details has to be furnished in the compliance sheet. The total number of pages uploaded to be mentioned in the relevant column.

**Earnest Money Deposit (EMD):**

- Bidders shall Deposit EMD in the following bank. The amount must be through online mode and it shall be received on or before the last date and time of bid submission and the payment proof of EMD shall be attached along with the technical bid. No other mode of payment is accepted.

**Steps for submission of EMD through SBI E-Collect:**

- Go to link - <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>
- Please select category as “Educational Institutions”
- Please select “IIITDM – KANCHEEPURAM A/C” from drop down list
- Please select “Earnest Money Deposit (EMD)” from Payment Category drop down list
- Kindly fill all tender details, contact details, EMD amount and make payment.
- After successful payment, the payment proof of EMD shall be attached along with the technical bid.
- In the case of payment failure/ mismatch of particulars leads to cancellation of bid.
- For the successful bidder, the EMD will be retained/ adjusted against the security deposit.
- For the unsuccessful bidders, EMD amount will be refunded within 30 days from the finalization of contract.
- The bidder shall enclose cancelled cheque/bank details to refund the EMD amount in case of unsuccessful bids at the technical evaluation process.
- EMD shall be forfeited if any tenderer withdraws their offer within the bid validity period.
- Note: If in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirements, under any Rules / Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/Guidelines/ Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim of exemption must be submitted along with the Technical Bid.

**6. Bid-2: Commercial Bid / Price:**

- The Institute is exempted from custom duty (as applicable to Research Institutes/University) vide Custom notification no. 51/96 dt 23.07.1996 based on the DSIR notification in this regard.**
- The Price may be quoted either in INR or in Foreign Currency.
- The Price quoted should be for FOR Destination (4<sup>th</sup> Floor, Lab Building, IIITD&M Kancheepuram, Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127).
- The price quoted should be exclusive of GST @ 18% (For Indian suppliers) and exclusive of concessional customs duty @ 5% plus surcharge and IGST @ 18% (for foreign suppliers) which will be added to the quoted price for arriving L1 bidder.
- This should contain only the price information along with commercial terms & conditions.
- Submission of commercial bids by any other means shall not be accepted by the Institute in any circumstances.

- vii. **The Institute is Government Funded Educational Institution offering UG/PG and PhD programmes. The Item is required for student laboratory purposes and prices may be quoted at applicable “Academic Pricing”.**

**7. Bank Charges:**

All Bank charges inside India, including the opening of LC, will be borne IIITDM Kancheepuram. The Bank 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.

**8. Technical Evaluation:**

1. All the technical aspects of the bids will be evaluated by a committee constituted by the Director. The scrutiny of bids will be done prima-facie on the basis of documents and information furnished by the bidder in the bid. Hence, the bidders are requested to upload all the required documents to avoid rejection of bid for want of information.
2. The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IIITDM Kancheepuram or from other Institutes, these feedbacks will be considered for technical evaluation, the bidders will also be called for technical presentations if it is required so.
3. The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.
4. Further, the Institute may verify from the end users specified in the technical bid about the execution and satisfactory functioning of the item quoted, if required.
5. Any information given in the bid found to be incorrect / false / suppressed fact will render the bidder ineligible at any stage during evaluation process or after issuance of PO and PO can be cancelled with no cost to the Institute.

**9. Preparation and Submission of Offers:**

- Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per **Annexure**.
- **One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.**
- In case a bidder is not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.

**10. Opening of Commercial Bids**

IIITD&M Kancheepuram will open commercial bids of only the shortlisted bidders who qualified at the technical evaluation stage.

## Commercial Evaluation:

- The bids shall be evaluated on the basis of final landing cost at F.O.R. Destination (4<sup>th</sup> Floor, Lab Building) at IIITD&M Kancheepuram, Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127
- The SBI TT Selling exchange rate as on the closing date of the tender will be taken into account for conversion of the foreign quote to INR.
- After arriving at final pricing of individual offers of all the short-listed firms, the lowest firm will be awarded with Contract/Purchase Order.
- The price mentioned in BoQ must be inclusive of transportation, Insurance, loading and unloading and any other local service required for delivering the goods for the desired destination as decided by IIITDM Kancheepuram. Loading and unloading is strictly in vendor scope. IIITDM Kancheepuram will not provide any manpower support towards the same.
- The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the BoQ will be final and the bidder has to comply with that, if awarded the tender.

## 11. Fraud and Corruption Integrity Clause:

IIITDM Kancheepuram 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:

- **“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- **“Fraudulent Practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- **“Collusive practice”** means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, non -competitive levels; and
- **“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. IIITDM Kancheepuram 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.

c. **Integrity Clause:** No official of a procuring entity or a bidder shall act in contravention of the codes which includes prohibition of making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.

## 12. Delivery Period / Timelines:

The deliveries and installation must be completed **within 16 weeks** from the date of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet this expectation, as this is linked to student’s Labs / classes.

**13. Supply & services:**

- i) The items covered by this document is required to be supplied and installed at 4<sup>th</sup> Floor, **Laboratory complex, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Off Vandalur-Kelambakkam Road, Melakottaiyur, Chennai – 600 127, Tamil Nadu.**
- ii) IIITD&M Kancheepuram will not provide any accommodation / transportation for the engineers / representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the principal supplier / agent to make their own arrangements.

**14. Restriction on Purchase on Grounds of Defense of India:**

The Institute follows Ministry of Finance and Department of Expenditure OM No.6/18/2019-PPD dated 23<sup>rd</sup> July 2020 and subsequent order dated 23<sup>rd</sup> July 2020 which are binding and the evaluation will be done accordingly (**Annexure-12**).

**15. Pre-installation:**

The BIDDER has to state in detail the Electrical Power/UPS/Air Conditioning 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 IIITDM Kancheepuram the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment.

**16. Installation and Training:**

- i) Bidder shall be responsible for installation/demonstration as applicable and for after sales service during the warranty and thereafter.
- ii) Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 30 days of the arrival of the equipment at site.
- iii) Necessary training at the Institute for the employees of IIITDM Kancheepuram to be provided.

**17. Performance Bank Guarantee:**

5% Security Deposit in the cost of Purchase Order Value as Performance Bank Guarantee for a period of warranty period plus two months.

**18. Amalgamation/Acquisition etc.:**

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition

**19. Warranty / Support:**

- The items supplied shall carry the warranty as per the requirement mentioned in the technical specification.
- The defects, if any, during the guarantee / warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

**20. Annual Maintenance Contract:**

- The party 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.

**21. Indemnity:**

The vendor shall indemnify, protect and save IIITD&M Kancheepuram 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 items supplied by them.

**22. Freight and Insurance:**

The items to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IIITD&M Kancheepuram site.

**23. Payment terms:**

**No advance payments are allowed.**

**INR Terms:** 80% payment shall be made against delivery and acceptance of the item by the Institute. The balance 20% is payable after installation, commissioning and demonstration of the whole system to the satisfaction of the Institute upon submission of PBG for 5% of the PO value to cover the warranty period plus 2 months.

**Foreign currency terms:** 100% LC will be opened with 80% payment against submission of documents and balance 20% after delivery, commissioning and demonstration of the whole system to the satisfaction of the Institute upon submission of PBG for 5% of the PO value to cover the warranty period plus 2 months.

**24. Penalty for delayed services / LD:**

- i) As time is the essence of the contract, delivery period mentioned in the purchase order should be strictly adhered to. Otherwise LD clause will be applied / enforced.
- ii) If the supplier fails to supply, and fix the item as per specifications mentioned in the order within the due date, the supplier is liable to pay liquidated damages of 1% of order value for delay of every week or part thereof 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) IIITD&M Kancheepuram reserves the right to cancel the order in case the delay is more than 04 weeks and the contractor is not eligible for any damage from the Institute and contractor will forfeit his claim for EMD.

**25. Force Majeure:**

- The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the IIITDM Kancheepuram either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- If a Force Majeure situation arises, the Supplier shall promptly notify the IIITDM Kancheepuram in writing of such conditions and the cause thereof. Unless otherwise directed by the IIITDM Kancheepuram in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**26. Fall clause:**

The commercial offer shall in no way exceed the lowest price at which the contractor sells the stores of identical description to any other person/organization during the currency of the contract

**27. Arbitration:**

All disputes of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc., shall be referred by either party (IIITD&M Kancheepuram or the bidder) after issuance of 30 day's notice in writing to the other party clearly mentioning the nature of dispute and will be referred to the arbitrator to be nominated by Director, IIITD&M Kancheepuram, India. The Venue for arbitration shall be Chennai, India.

**28. Acceptance of the terms and conditions of tender document:**

The bidders have to accept all the terms and conditions of this tender document and it is made known that the bidders quoting for this tender had impliedly accepted the terms and conditions of this tender.

**29. Interpretation of the clauses in the Tender Document:**

In case of any ambiguity / dispute in the interpretation of any of the clause in this tender document, interpretation of Director, IIITD&M Kancheepuram shall be final and binding on all parties. The IIITD&M Kancheepuram reserves the right to accept the offer in full or in parts or reject the offer summarily or partly without assigning any reasons.

**30. Jurisdiction:**

The disputes, legal matters, court issues, if any, shall be subject to Courts in the district of Chengalpattu, Tamil Nadu Jurisdiction only.

**31. The competent authority reserves the right to either accept or reject the tender without assigning any reason.**

Sd/-  
कुलसचिव / Registrar  
IIITD&M Kancheepuram

**ANNEXURE-1**
**TECHNICAL BID**
**Technical Compliance Sheet (to be filled and uploaded)**

<b>Name of the Agency</b>	
<b>Office Address:</b>	
<b>Name and Mobile No. of contact person:</b>	

**ITEM: Supply, Installation and Commissioning of Multi Jet and Thermal Jet Extrusion based 3D Bio printer (QTY: 01 No)**

S. No.	Description	Detailed Specification	Compliance Yes/No	Deviation (If Any)	Remarks
1.	Technology	1. The system must be provided with 3 minimum printheads upto maximum of 5 printheads. The system should be able to perform pneumatic extrusion, low temperature extrusion (4°C), Inkjet printing, Volumetric-based dispensing and high-temperature melt printing(250°C), utilizing either filament or droplet techniques. 2. The bio printer should have a built-in HEPA (H13/H14) or better filter system with UV-C germicidal LED LIGHT for the aseptic chamber.			
2.	Printheads	Specification for the printheads that should be compatible with the system 1. Pneumatic Control Printheads- 3 qty <ul style="list-style-type: none"> <li>• Size: Must be compatible with cartridge volume ranging from 3 ml.</li> <li>• Temperature Range: Must be between 30°C - 60°C or higher.</li> <li>• Temperature Precision Control: 0.5°C or better.</li> </ul>			

		<ul style="list-style-type: none"> <li>• Pneumatic extrusion should cause minimal shear stress on cells while enabling unlimited design freedom and the manufacturer should be able to demonstrate more than 85% cell viability for at least 2 cell lines in standard bio inks supplied by the vendor. The bidder should attach documentary evidence.</li> </ul>			
		<p>2. Temperature Control Printhead – 1 qty</p> <ul style="list-style-type: none"> <li>• Temperature Range 4°C to 65°C</li> <li>• Easy transition of temperatures within a short time.</li> <li>• Should be built on Peltier Technology for faster heating and cooling</li> </ul>			
		<p>3. High-Temperature Printhead for Thermoplastics and Equivalent Materials – 1 qty</p> <ul style="list-style-type: none"> <li>• Temperature range: RT to 250°C or higher</li> <li>• Should have exchangeable stainless-steel cartridges of 10ml or higher volume</li> <li>• Interchangeable nozzles with a range of 0.2mm to 0.8mm</li> <li>• Should be compatible with external pressure regulator for extrusion of higher viscosity materials.</li> </ul>			
		<p>4. The system should have the option of Electromagnetic Inkjet Printhead</p> <ul style="list-style-type: none"> <li>• Contactless drop-on-demand printing with low- viscosity materials allowing drop-on-demand printing of hydrogel materials like GELMA, alginate, etc.</li> <li>• Temperature Range: Room Temperature to 65°C or higher</li> <li>• Micro valve operating time: 1ms or better</li> <li>• Liquid handling of low-viscosity materials</li> </ul>			
		<p>5. The system should have the option of Syringe Pump/Piston-driven Printhead</p> <ul style="list-style-type: none"> <li>• Heating Capacity: Up to 65°C</li> <li>• The user should be able to control flow rate and deposition volume</li> </ul>			

		<ul style="list-style-type: none"> <li>• Volumetric rate in liquid handling of as minimum as 0.1 µl/s</li> </ul>			
		<p><b>6. Photocuring</b></p> <ul style="list-style-type: none"> <li>• Photocuring must be high-beam UV-Light LED Based.</li> <li>• The machine should have inbuilt photocuring modules of 365, 405, 485, and 520 nm wavelengths.</li> <li>• The machine should allow the flexibility of deciding the photocuring duration and frequency. The Photocuring light should be at a distance from the printhead nozzle to avoid material clotting at the nozzle head.</li> </ul>			
3.	Resolution	<p>XY Movement capability: 1 micron XY Resolution capability of the instrument</p>			
4.	Build Platform	<p>Universal Printbed to accommodate any type of Petri dish, Microwell plate, glass slides without need for any additional adapters. Should be Peltier-based temperature-controlled print bed. Temperature Range should be between 4°C to 65 °C or better.</p>			
5.	Build Volume	<p>The built volume of the print bed should be larger than the following dimensions in XYZ:</p> <ul style="list-style-type: none"> <li>• X: &gt; 120 mm</li> <li>• Y: &gt; 80 mm</li> <li>• Z: &gt; 50 mm</li> </ul>			
6.	Calibrations	Should be available in both Automatic and Manual format			
7.	Pressure	<p>1.The system should have an inbuilt oil-free air compressor to provide a pressure range up to 200 kPa and the system can withstand a pressure range between 0 to 700 kPa.</p> <p>2.The machine should also have the provision to connect an external compressor if required to extend the range up to 700kPa.</p> <p>3.The printer should have an equipped facility for using a wide range of hydrogels and bioinks with a Viscosity range from 0.001 to 400 Pa.Sor better.</p>			
8.	Touch screen	The system should come with a minimum 5" LCD/LED touch display as the user interface.			

9.	Size of the printer	The total weight of the standalone unit should not exceed 30 kg and the system should be compact and designed to fit comfortably inside a standard biosafety cabinet.			
10.	Pre-processing software	<p>Systems should be supplied with Advance 3D Bioprinting Perpetual License and the system should have pre-processing software with the following features:</p> <ul style="list-style-type: none"> <li>• Software should not be open source and should work in offline mode and should be multiuser licensed</li> <li>• The software alone should allow both designing 3D models as well as operating the working of the printer.</li> <li>• It should allow the user to design various 3D designs, scaffolds, lattices, and STL Files.</li> <li>• Software Create and save printing protocols.</li> <li>• Should be able to create print reports with all data related to the print such as temperature, pressure, protocols, etc.</li> <li>• Should be able to edit and visualize the parameters during printing and should Simulate toolpath movement before printing</li> <li>• Should be able to edit and modify G-Code.</li> <li>• Software should be from the same OEM and use of 3rd party software is not permitted.</li> <li>• The software should have the provision for future upgrades to GMP/21 CFR Part 11 Compliance.</li> </ul>			
11.	Certification	The system should be CE-compliant (Attaching necessary document at the time of bidding is mandatory)			
12.	Consumables	<ol style="list-style-type: none"> <li>1.Empty cartridges without end and tip caps, 3 mL (100 pieces)</li> <li>2.Device to mix cells with biomaterials, Cell Mixer</li> <li>3.Female/Female luer lock adaptor (50pieces)</li> <li>4.Sterile high-precision conical bioprinting nozzles, 50 pieces 25G</li> <li>5.Sterile high-precision conical bioprinting nozzles, 50 pieces 22G</li> </ol>			

		6. Petri Dishes 7. Air Adaptor Connector (3 pieces) 8. Sterile high-precision blunt needles 22G, 50 pieces 9. Sterile high-precision blunt needles 25G, 50 pieces 10. PCL Polymer 11. Thermo-Plastic Nozzle 0.2mm 12. 45ml Syringe of Alginate based Ink 13. GelMA Medium MA, 0.25 LAP 3 x 3ml Startup reagents from same OEM should supply Various Biomaterial like Pluronic Bioink, Alginate Based Bioink etc.			
13.	Essential Accessories	Oil-Free, HP Air Compressor: to be used along with above 3D Bioprinter to increase the desired pressure.			
14.	Installation & Training	The installation and demonstration of a complete system are to be carried out by the supplier at free of cost. Location of the chamber will be on the 4 <sup>th</sup> floor at IIITDM Kancheepuram.			
15.	Warranty	3 Years from the date of Installation <b>(Comprehensive Onsite Warranty)</b>			
16.	Post Warranty – AMC	Refer Annexure 10			

**Note: The total cost will be taken into account for arriving L-1.**

## ELIGIBILITY CRITERIA

SI. No	Description	Compliance Yes/No/N.A.	Page No.
1.	<b>Technical Sheet</b>	The technical bid compliance sheet & Eligibility Criteria <b>(Annexure-1)</b>	
2.	<b>EMD</b>	All participating vendors have to submit a EMD of <b>Rs.2,25,000/-</b> and the scanned copy of EMD payment proof along with the Bid must be uploaded. <b>(Annexure-2)</b>	
3.	<b>Bid Security Declaration</b>	Bid Security Declaration form <b>(Annexure-3)</b>	
4.	<b>Authorization Letter from OEM</b>	<p style="text-align: center;"><b>(Declaration from OEM to be enclosed for the following)</b></p> <ul style="list-style-type: none"> <li>Manufacturer's Authorization &amp; Warranty Support Declaration <b>(Annexure-4)</b></li> <li>Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of life by the OEM before this period. <b>(Annexure-5)</b></li> </ul>	
5.	<b>Experience Certificate</b>	<ul style="list-style-type: none"> <li><b>Experience Certificate:</b> Should have Supplied Two similar equipment costing Rs.50.00 Lakhs and above excluding taxes to reputed organizations/ research institutions/ Universities etc. in India on or after 1/1/2018 <b>(PO copies without any alteration/modification and copies of installation report to be enclosed)</b> (Past Experience details to give it in <b>Annexure -6)</b></li> </ul>	
6.	<b>Leaflet</b>	Product Leaflet <b>(Annexure-7)</b>	
7.	Declaration Regarding Clean Track/No Legal Action <b>(Annexure-8)</b>		
8.	Annual Maintenance Contract <b>(Annexure-9)</b>		
9.	Acceptance Of Tender Terms <b>(Annexure-10)</b>		
10.	No Relation Certificate <b>(Annexure-11)</b>		
11.	Land Border Declaration <b>(Annexure-12)</b>		
12.	<b>Bid Validity</b>	180 Days	
13.	<b>Total Number of pages uploaded in the technical bid</b>		

**Please Enclose Relevant Document Only.**

\*\*\*

**ANNEXURE-3**

(To be printed in the letter head of the bidder)

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**Bid Security Declaration form**

Date: \_\_\_\_\_ Tender No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported with EMD.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of two year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.
- c) The EMD will be forfeited.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No.:** \_\_\_\_\_

**ANNEXURE-4**

**Manufacturer's Authorization & Warranty Support Declaration**

(ON OEMs Letter head)

Date:

Tender No: \_\_\_\_\_

To  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

We, \_\_\_\_\_ [name of Manufacturer], who are official manufacturers of (Insert type of goods manufactured) having factories at (insert full address of Manufacturer's factories), do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee, warranty, availability of spare parts and AMC support in accordance with the Terms and Conditions of Contract with respect to the Goods offered herein.

Authorized representative of the Manufacturer

Authorized representative Bidder

Signature:

Signature:

Name:

Name:

Address:

Address:

Mobile No:

Mobile No:

**ANNEXURE-5**

**Manufacturer's Authorization for Product Continuity Certificate**

(ON OEMs Letter head)

Date:

Tender No: \_\_\_\_\_

To  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

We, \_\_\_\_\_ [name of Manufacturer] hereby certify that the product herein quoted with its design, model and all technical specifications mentioned \_\_\_\_\_ [insert name and or brief description of the goods] in the tender will remain and have sales and service support in the market for at least 5 years of residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

Authorized representative of the Manufacturer

Authorized representative Bidder

Signature:

Signature:

Name:

Name:

Address:

Address:

Mobile No:

Mobile No:

## ANNEXURE-6

### Past Experience details

**Experience Certificate: Experience Certificate:** Should have Supplied Two similar equipment costing Rs.50.00 Lakhs and above excluding taxes to reputed organizations/ research institutions/ Universities etc. in India on or after 1/1/2018 **(PO copies without any alteration/modification and copies of installation report to be enclosed)**

Name of the organization	Name of Contact Person and Designation, email ID and Phone number	Purchase Order Number, date and Value	Copy of Purchase Orders and Installation and (Page no.) along with value

**Note: Without submission of relevant Purchase orders, experience will not be considered.**

**Signature of Bidder**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization Name: \_\_\_\_\_

Contact No.: \_\_\_\_\_

**ANNEXURE-8**

**DECLARATION REGARDING CLEAN TRACK/NO LEGAL ACTION**

(to be provided on letter head of the firm)

I hereby certify that the above firm namely \_\_\_\_\_ is neither blacklisted by any Central/State Government/Public Undertaking/Institute nor any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

**ANNEXURE-9**

**ANNUAL MAINTENANCE CONTRACT**

We hereby certify that the Annual Maintenance Contract for the equipment, after expiry of warranty period will be charged as follows:

**For Comprehensive AMC**

- 1) 1<sup>st</sup> year \_\_\_\_ % of the equipment value
- 2) 2<sup>nd</sup> year \_\_\_\_% of the equipment value
- 3) 3<sup>rd</sup> year \_\_\_\_% of the equipment value.

**For Non - Comprehensive AMC**

- 1) 1<sup>st</sup> year \_\_\_\_ % of the equipment value
- 2) 2<sup>nd</sup> year \_\_\_\_% of the equipment value
- 3) 3<sup>rd</sup> year \_\_\_\_% of the equipment value.

We also certify that the spares for the equipment will be available for the equipment for \_\_\_\_ years.

**(This rate will not be part of the commercial bid evaluation for arriving L-1)**

Date:

Authorized Signatory

Place:

Name:

Designation:

Contact No.:

**ANNEXURE-10**

**ACCEPTANCE OF TENDER TERMS  
(To be given on Company Letter Head)**

Date: DD/MM/YYYY

To,  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender /  
Work:

Dear Sir,

1. I / We have downloaded / obtained the tender documents (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-11**

**NO RELATIONSHIP CERTIFICATE  
(To be given on Company Letter Head)**

1. I/We hereby certify that I/We\* am/are\* related/not related (\*) to any officer of IIITDM Kancheepuram. (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

Place:

Name:

Designation:

Contact No.:

**ANNEXURE-12**

(To be printed in the letter head of the bidder)

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**LAND BORDER DECLARATION**

Tender No: .....

Dated: .....

**CERTIFICATE**

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is not from such a country and is eligible to be considered.

**OR (whichever is applicable)**

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is from \_\_\_\_\_ (Name of Country) and has been registered with the Competent Authority. I/we also certify that this bidder fulfils all the requirements in this regard and is eligible to be considered.

**(Copy/ evidence of valid registration by the Competent Authority is to be attached with the bid document)**

Signature of the Authorized Person

Date: .....

Full Name: .....

Place: .....

Company Seal: .....