

**Tamil Nadu Centre of Excellence for Advanced  
Manufacturing (TANCAM), Chennai**

**Tender Ref.No: TIDCO/TANCAM/2025-26**

**TENDER  
FOR  
SUPPLY, INSTALLATION AND SETTING UP OF DESIGN AND ADDITIVE  
MANUFACTURING FACILITY FOR HEALTHCARE APPLICATIONS**

**19-A, Rukmani Lakshmipathi Rd, Egmore,  
Chennai, Tamil Nadu 600008**

**Website: [www.tancam.in](http://www.tancam.in)**

**Email: [md@tancam.in](mailto:md@tancam.in)**

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## NOTICE INVITING TENDER

Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM) invites tenders in Two bid system (Technical & Commercial bid in two separate covers) from eligible and qualified Original Equipment Manufacturers /Authorized Distributors of OEM/ Authorized dealers of OEM for the Supply, Installation, Commissioning & Training at site for the Design and Additive Manufacturing facility for Healthcare Applications.

The details are given below:

a)	Tender number	Reference number for inviting bids through this tender is <b>TIDCO/TANCAM/2025-26</b>
b)	Purchaser	Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM).
c)	Usage of Machine	The complete machine system will be used to design, prototype and print patient specific models, surgical assistive devices and surgical planning.
d)	Scope of Tender	Supply, Installation and Setting up of Design and Additive Manufacturing Facility for Healthcare Applications.
e)	Specification/ Details of machine	The detailed specifications of machine are specified in tender and placed at <b>Annexure-B</b>
f)	Tender website	Tender documents can be downloaded via the e-procurement portal: <a href="https://tntenders.gov.in">https://tntenders.gov.in</a> / <a href="http://www.tidco.com">www.tidco.com</a> / <a href="http://www.tancam.in">www.tancam.in</a>
g)	Locations of supplies	The machine(s) shall be supplied to the facility/locations as proposed by TANCAM. The Managing Director, TANCAM, reserves the full right to cancel the supply orders at any stage. The reasons for such cancellation shall not be disclosed.
h)	Earnest Money Deposit (EMD to be paid online	EMD shall be paid online through the e-procurement portal ( <a href="https://tntenders.gov.in">https://tntenders.gov.in</a> ) in the prescribed amount of <b>Rs. 5,00,000 (Rupees Five Lakhs only)</b> by the Bidder.
i)	Pre-Bid meeting	Pre-Bid meeting will be held on <b>05.12.2025 at 15:00 Hrs</b> (Details for meeting will be notified on the website)
j)	Cost of Tender Documents	Tender documents can be downloaded through the following website: <a href="https://tntenders.gov.in">https://tntenders.gov.in</a> / <a href="https://tidco.com">https://tidco.com</a> / <a href="http://www.tancam.in">www.tancam.in</a>

k)	Last date of submission of tender	<b>Bids must be submitted online on the e-procurement portal (<a href="https://tntenders.gov.in">https://tntenders.gov.in</a>) on or before 16-12-2025, up to 15:00 hours.</b>
l)	Date of opening of Technical Bid (Cover-1)	<b>The Technical Bid shall be opened on 16-12-2025 at 17:00 hours</b>
m)	Date of opening of Commercial Bid (Cover-2)	The date and time for opening of the Commercial Bid (Cover-2) will be intimated to technically qualified Bidders separately.

**Managing Director,  
TANCAM  
Chennai**

## **INSTRUCTIONS TO THE TENDERERS**

The Tender shall be submitted in accordance with these instructions, as under.

### **1. Abbreviations:**

Throughout this tender document, the word/ term:

- a. “TANCAM” means Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)
- b. “day” means Calendar Day
- c. “Working day” means Monday to Friday in week
- d. “tender” means tender number TIDCO/TANCAM/2025-26
- e. “Equipment” means the machines/equipment/software/accessories as given at Annexure-B.
- f. “EMD” means Earnest Money Deposit.
- g. “Purchaser” means TANCAM
- h. “Bid” means the document and financial details submitted by Bidder.
- i. “Bidder” means the eligible and qualified Original Equipment Manufacturers / Authorized Distributors/ Authorized Dealers.
- j. “Tenderer” means the eligible and qualified Original Equipment Manufacturers / Authorized Distributors/ Authorized Dealers.
- k. “OEM” means Original Equipment Manufacturer

### **2. Eligible Bidder:**

- a) The intending Bidder, in case of Original Equipment Manufacturers shall submit a self-declaration on their letterhead, along with the Technical Bid, confirming that they are regular in manufacturing & supplying the similar machines, as asked in this tender, for the last Ten (10) years.
- b) The Bidder organisation should be operational for at least 5 years.
- c) The original equipment manufacturer shall possess ISO Certificate for their establishment. The copy of the valid ISO Certificate shall be placed with the Technical Bid.
- d) The intending Bidder, in case of Authorized Partner of OEM shall possess valid authorized Partner license from Original Equipment Manufacturer who should have valid ISO Certificate and shall be engaged in regular manufacturing and supply of similar machine for the last ten (10) years. The Bidder shall enclose the copy of the same in Technical bid while submitting the tender.

### 3. Location of supplies:

- a) The details of location where the machine(s) supplied through this tender are as under:

S. No	Location	Address for supplies
1	Chennai/Tamil Nadu	Government Medical College Omandurar

- b) It may be noted that the Managing Director, TANCAM, reserves full rights to cancel the procurement process even after receiving offers from Bidders but before issuing the supply order. The reasons for such cancellation will not be disclosed.

### 4. Scope of Supplies:

- a) The material shall be supplied in compliance to the specifications mentioned in Annexure- B of the tender.
- b) The specifications of the machines as mentioned in the Annexure- B are the requirements of tender, however higher specifications of machines may be considered subject to their cost economics i.e. competitiveness in financial terms.
- c) After supplying the machines as specified in Annexure-B, the Bidder shall carry out installation and commissioning at the designated site. No additional cost shall be payable for installation and commissioning.
- d) After installation and commissioning, the Bidder shall provide on-site training to at least two persons designated by the Purchaser for ten (10) working days covering operations, maintenance, SOP documentation and troubleshooting. No extra cost shall be paid for this training.
- e) The Bidder shall offer on-site comprehensive warranty of machines for at least 3 years from the date of successful commissioning of machine at the designated location. The Purchaser is not liable to pay any extra charges on any account during warranty period.
- f) The Bidder shall quote the cost of a Maintenance Contract for an additional two (02) years (to take effect after expiry of the warranty period). The financial bid shall reflect this amount for planning purposes.

### 5. Delivery

- a) The Purchaser desires complete delivery of the machines within sixty (60) calendar days from the date of issue of supply order. Bidders may propose an earlier delivery schedule, but **in no case** shall delivery exceed ninety (90) calendar days from the date of issue of the supply order.
- b) The material shall be inspected upon receipt at site, and the Bidder shall be responsible for any damage occurring during transit of the machine/equipment.
- c) Part-shipments and trans-shipments shall not be arranged without prior written permission of the Purchaser. The Bidder shall obtain, in its name, insurance cover against loss or damage during manufacture, transit, storage and delivery/installation.

The Purchaser shall notify the Bidder of any loss/damage as soon as practicable but not later than 30 days from the date of arrival at destination.

## **6. Warranty**

- a) The Bidder shall offer an on-site comprehensive warranty for the machine(s) for **three (3) years** from the date of successful commissioning at the designated location. The warranty shall cover all parts (including consumables having limited life) and services. The Purchaser shall not pay extra charges during the warranty period.
- b) The Bidder shall be liable for compensations that arise from warranty obligations not attended to by the Bidder.
- c) Any defective parts within the warranty period due to design, material or workmanship shall be replaced by the Bidder at the installation site at no extra cost.
- d) During the warranty period, the Bidder shall depute expert(s) to site within **three (3) working days** of a written request to rectify defects; all costs associated with deputation shall be borne by the Bidder.

## **7. Two Years Additional Maintenance Contract**

The Bidder shall quote the cost of an additional Maintenance Contract for two (02) years to commence after the expiry of the warranty period. The financial bid shall be prepared accordingly. The Purchaser will decide on awarding the Maintenance Contract as per its requirements.

## **8. After Sales Services**

- a) The Bidder shall ensure to render after sales services during the warranty period to the satisfaction of Purchaser.
- c) The Bidder will depute their engineer within three working days to attend the service call received in writing from Purchaser.

## **9. Manuals:**

The Bidder shall supply the following manuals (hard or soft format) along with the machine:

- I. Installation Manual
- II. Operation Manual
- III. Maintenance Manual
- IV. Training Manual

## **10. Tender documents:**

- a) At any time prior to the deadline, the Purchaser may amend the Bidding Documents by issuing addenda through the e-procurement portal. Prospective Bidders are advised to regularly check the portal for updates or notifications.

## **11. Authorization for Submission of Tender:**

- a) The Bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the Bidder's letter

head) to sign on behalf of the Bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.

- b) The person signing the tender form or any other documents on behalf of the Bidder shall be deemed to warrant that he has authority to bind the Bidder. If it subsequently comes to light that the person so signed had no authority to do so, the Purchaser may without prejudice to any other civil & criminal remedies cancel the tender and hold the Bidder liable for all costs, charges and damages.

## **12. Earnest Money Deposit:**

- a) The Earnest Money Deposit (EMD) of **Rs. 5,00,000** shall be paid **only** through the e-procurement portal (<https://tntenders.gov.in>).
- b) Payments made by any other mode (Demand Draft, cash, etc.) will **not** be accepted. Bids submitted without the prescribed EMD through the portal shall be rejected.
- c) The Purchaser shall not be liable for payment of any interest on EMD.
- d) Requests to adjust or consider EMDs already furnished for other tenders/contracts shall not be considered.
- e) The EMD will be returned to the unsuccessful Bidders soon after the orders are placed on the successful Bidder. In case of successful Bidder, the EMD will be returned along with 1<sup>st</sup> part of payment as per payment terms.

## **13. Submission of Tender:**

- a) The Bidder to examine all instructions, forms, terms and specifications in the tender documents and to furnish with its bid all documents or information as required by bidding document.
- b) The language for all the correspondence and documents related to the tender shall be in English only. Moreover, the printed literature/technical details for the machine shall also be in English.
- c) Bids shall be submitted only through the e-procurement portal (<https://tntenders.gov.in>). No physical submission of covers is required.

Both covers (Technical & Commercial) must be uploaded separately on the e-procurement portal under their respective sections. Physical covers or hard-copy submissions shall not be accepted.

- d) If any of the documents are not uploaded in the prescribed format or are not properly marked as required on the e-tender portal, the Purchaser shall not be responsible for any misplacement, incomplete access of the bid.
- e) All the columns of the tender shall be duly, properly and exhaustively filled in. Any cutting/over writing etc. in the tender must be signed by the person who is signing the tender.
- f) Tenders received in physical submission/ letters/ fax/ email will not be considered.

## **14. Financial Bid Submission:**

- a) Bidder shall consider all costs including unloading at the location of Purchaser, cartage etc. for giving delivery of material at site(s) as detailed at Para 3 of

Instructions to Tenderers before quoting the rates. In this regard no claim whatsoever shall be entertained.

- b) The price quoted in financial bid shall be firm and shall include all applicable taxes. Any variation in the taxes, duties, levies etc. till commissioning of machines to the location(s) shall be to the Bidder's account.
- c) No extra payment shall be paid on account of any discrepancy in nomenclature of items. The Bidder shall seek clarifications if any before submitting the tender.
- d) No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed to the designated location(s).

**15. Last date of Submission of Tender:**

- a) The tender shall be submitted online through the e-procurement portal (<https://tntenders.gov.in>) on or before 16-12-2025 up to 15:00 hours.
- b) Bidders are responsible for timely online submission including file uploads and payment of EMD through the portal. The Purchaser may, at its discretion, extend the deadline and will notify such extension on the portal.

**16. Opening of Technical Bid:**

- a) The technical bid of tenders will be opened on **16-12-2025 at 17:00 Hours.**

**17. Opening of Commercial Bid:**

- a) The Commercial Bid of only technically qualified Bidders will be opened.

**18. Validity of Tender:**

- a) The tender shall be valid for a period of 90 days from the date of opening of the Technical Bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the said period of 90 days.
- b) In exceptional circumstances, prior to the expiry of the bid validity period, the Purchaser may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

**19. Evaluation of Bids:**

- a) To assist in the examination, evaluation, comparison of the bids and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing only.
- b) If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.
- c) The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to supply order, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically Bid document, EMD deposits shall be promptly returned to the Bidders.
- d) The Purchaser have right to verify the particulars furnished by the Bidder

independently.

## **20. Earnest Money Forfeit:**

a) If any Bidder withdraws his tender before the period of 90 days from the date opening of technical bid or makes any modifications in the terms and the conditions of the tender which are not acceptable to the Purchaser, then the Purchaser shall, without prejudice to any other rights or remedy, be at liberty to forfeit the EMD.

b) The EMD will also be forfeited in following cases:

i. If the Bidder fails to accept the order based on his offer (bid) and within the prescribed time.

ii. If the Bidder fails to supply the Machines with specifications as mentioned in Annexure–B

iii. If the Bidder delays supply beyond a reasonable time resulting in disruption of project.

iv. Bidder for any reason whatever, withdraws the tender after it is accepted or become unable or fails to execute the orders within stipulated delivery period.

v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.

vi. The successful Bidder does not submit Performance Security within the prescribed time.

## **21. Notification of Award:**

Prior to the expiry of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter shall specify the sum that the Purchaser will pay to the Bidder in consideration of the supply of Machines with the details of selected location(s).

## **22. Packing:**

a) The Bidder shall provide packing of the machine/ equipment, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the Purchaser would not accept the delivery.

b) The machine & equipment shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The Bidder shall be responsible for any loss/ damage to material during transportation to the designated location.

## **23. Delivery Time:**

a) The Bidder shall indicate the period within which the ordered quantity will be supplied. The Bidder shall note that in case Bidder fails to supply within the period of delivery indicated by the Bidder in technical bid of this tender, penalty @1% of value of the order per week of delay would be levied subject to maximum 4 weeks. It means, the Bidder shall have the liability of delayed supply to the maximum of 4 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD will be forfeited and Bidder will be debarred from participation in any future tenders.

b) The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from Purchaser shall intimate his acceptance of the order. The successful Bidder shall complete supplies strictly as per the

accepted delivery period.

**24. Payment:**

- a) The 85% payment of total bill will be made by the Purchaser by crossed account payee cheque/RTGS/NEFT for which the Bidder shall send bills in duplicate (original + copy) after Supply, Installation & Commissioning of machine, giving the reference number of the purchase order along with copies of delivery note & satisfactory report on the Installation of machine(s), from designated Purchaser department. The details about the designated Purchaser department who is authorized to take the delivery of machine(s) shall be informed to the successful Bidder through the supply order placed for the supply of machine(s).
- b) The 10% payment of total bill along with EMD deposit will be released to Bidder after one month from the date of completion of training to trainers at site and on submission of Indemnity Bond by the successful Bidder for rendering services during warranty and maintenance period.
- b) The remaining 5% payment will be retained and shall be released against submission of Performance Bank Guarantee by the successful Bidder of equal value of 5% till end of the warranty Period from the date of commissioning.

**25. Causes of Rejection of Tender:**

- a) While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected.
- c) If any Bidder stipulates any condition of his own, such conditional tender is liable to be rejected.

**26. Claims:**

- a) If the material supplied are found to be off size and shape different than those in the accepted offer and are of specifications lower than those stipulated in the accepted offer, the Purchaser shall have right to totally reject the machine/ equipment and/or to claim for compensation from Bidder. The Bidder shall reimburse to Purchaser, the claim lodged in writing within 15 (fifteen) days of its demand. The Bidder shall also compensate for losses, if any, sustained by Purchaser due to defective packing and/or wrong marking of the machine/ equipment.
- b) The Bidder shall be responsible for arranging the rejected machine/ equipment to be removed at his cost from Purchaser premises.

**27. Address for Communication:**

All the communication with respect to the tender shall be addressed to:

**The Managing Director,  
Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM),  
19-A, Rukmani Lakshmipathi Rd, Egmore, Chennai, Tamil Nadu 600008  
[md@tancam.in](mailto:md@tancam.in), 044 - 28554479**

**28. Force Majeure:**

In the event of any unforeseen circumstances directly interfering with the supply of goods/work/service arising during the execution of order such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Bidder shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days "notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other.

**29. Code of Ethics:**

The Purchaser as well as the Bidder shall observe the highest standard of ethics including laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", during the procurement or execution of such contracts. If the Bidders are found in Bid pooling or against law against fraud and corruption, then their firms may be blacklisted.

**30. Jurisdiction:**

- a) In the event of any dispute the legal matter shall be subjected to the jurisdiction of Chennai Court only.

*We confirm with our acceptance to the instructions (S. No-1 to 31 above) as given above.*

**BIDDER'S NAME & SIGNATURE WITH SEAL**

*(These duly signed "Instructions to the Tenders" as under shall be attached with technical bid of the tender as a mark of acceptance of Bidder and any tender not confirming the instructions as under is liable to be rejected)*

## ANNEXURE-A

### QUALIFICATION CRITERIA

01. **Status:** The Bidder should be a Manufacturer or its authorized Partner.
02. **Turnover:** Eligible Bidders should have an average annual turnover of minimum Rupees 10 Crores as on date of technical bid opening in the consecutive past three financial years (2022-23, 2023-24, 2024-25).
03. **Minimum Work of Similar Nature:** Eligible Bidders should have successfully executed atleast 2 projects of similar nature or equivalent in last five years from the date of tender opening, Client's Completion certificate/Purchase order/ Service report of the same must be attached.

Similar Project means project meeting major technical parameters or higher of the current specifications floated in the tender enquiry document.

04. **Networth:** Net worth of the company shall be positive during the last three financial years. The balance sheet, profit and loss account for last three financial years (2022-23, 2023-24, 2024-25) certified by a Chartered Accountant shall be submitted.

#### **Notes:**

1. In support of above the Tenderer shall furnish the details in the below tables.
2. The manufacturer as well as the Tenderer/ Indian Agent shall furnish Satisfactory Performance cum Installation Certificate/purchase orders/bill of entry in respect of above, duly translated in English and duly notarized in the country of origin, along with the tender.
3. The Bidder shall furnish a brief write-up, along with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and scope of supply.
4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.
5. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre-determined place acceptable to the Purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

#### **Details of the Bidder**

A.	General information:	
1	Name of Company	

2	Registration No.	
3	Number of Years in Operation	
4	Registered Address	
5	Operating Address	
6	Telephone No	
7	Telefax	
8	Email Address	
9	GSTIN No.	
10	PAN No.	

<b>B.</b>	<b>FINANCE</b>		
<b>1</b>	<b>Name &amp; Address of Banks and Branches used:</b>		
1.1			
1.2			
1.3			
1.4	Documentary evidence (duly signed & stamped) must be enclosed.	<input type="checkbox"/> Yes <input type="checkbox"/> no	
<b>2</b>	What is your average annual invoiced sales value (based on past previous 5 year's records) for each of the type of equipment's under consideration.		
2.1	Year 1	_____ (Value in Rs)	
	Year 2	_____ (Value in Rs)	
	Year 3	_____ (Value in Rs)	
	Year 4	_____ (Value in Rs)	
	Year 5	_____ (Value in Rs)	
2.2	Documentary evidence (duly signed & stamped) must be enclosed.	<input type="checkbox"/> Yes <input type="checkbox"/> no	
<b>3</b>	<b>Annual Turnover of the Firm/ Company:</b>		
3.1	2022 – 2023:	_____ (Value in Rs)	
	2023 – 2024:	_____ (Value in Rs)	
	2024 – 2025:	_____ (Value in Rs)	
3.2	Documentary evidence (duly signed & stamped) must be enclosed.	<input type="checkbox"/> Yes <input type="checkbox"/> no	
<b>4</b>	Bidders are to submit copy of valid current Income Tax Return submitted, GST Registration		<input type="checkbox"/> Yes <input type="checkbox"/> no

<b>C</b>	<b>EXPERIENCE:</b>				
<b>1</b>	<b>Past Project Experience:</b> Eligible Bidders should have successfully executed 2 projects in last five years from the date of tender opening turnkey project of similar nature or equivalent. Client's Completion certificate/Purchase order/ Service report.  Similar Project means project meeting major technical parameters or higher of the current specifications floated in the tender enquiry document.				
<b>Sr. No.</b>	<b>Year awarded</b>	<b>Project Name</b>	<b>Equipment's Supplied</b>	<b>Contract Value</b>	<b>Client Name &amp; Reference (Contact Details)</b>
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					
1.7					
1.8					
1.9					
1.10					
	<b>Documentary evidence of work completion certificate duly signed &amp; stamped must be enclosed including the evidence of the facility having approved by regulatory agencies.</b>				<input type="checkbox"/> Yes <input type="checkbox"/> no
<b>2</b>	<b>Details of Ongoing project:</b>				
<b>S. No.</b>	<b>Year awarded</b>	<b>Project Name</b>	<b>Equipment's Supplied</b>	<b>Contract Value</b>	<b>Client Name &amp; Reference (Contact Details)</b>
2.1					
2.2					
2.3					
2.4					
2.5					
	<b>Documentary evidence of the same to be enclosed</b>				<input type="checkbox"/> Yes <input type="checkbox"/> no

## ANNEXURE-B

### Details of requirements and technical specifications of Machines

Technical Specification for Supply of 3D technologies based Surgical Simulation Lab	
<b>Scope of Work</b>	To supply install and commission a Surgical Simulation Lab for applications such as fabrication of synthetic cadavers/anatomies for surgical teaching, design and fabrication of patient specific anatomical models from medical imaging and design and fabrication of implants, surgical guides etc.
<b>Scope of Supply</b>	1) Multi-Material 3D Printer capable of producing anatomical models in properties like actual anatomies
	2) Data Segmentation Software for conversion of patient imaging data (from CT/MRI) to 3D models and design of Patient Specific Surgical Devices and Implants
	3) Handheld Structured White Light 3D Scanner with human safety
	4) High Accuracy Handheld Laser 3D Scanner
	5) Forced Feedback based Virtual Sculpting Software along with Haptic Device
	6) LCD/DLP based 3D printer
	7) AR/VR Head mount gears
	8) Workstations 5 Nos
	As per detailed specification
<b>Bidder Qualification</b>	The manufacturer of the hardware equipment mentioned should have a minimum of 10 years of existence.
	Bidder must quote for all 5 line-items, with appropriate workstations/Laptop partial bidding is not permitted
	In case the Bidder is a representative of the OEM and not the OEM itself, OEM authorization letter should be attached.

1) Multi-Material 3D Printer for fabrication of twin anatomies for Surgical Planning and training.	
3D Printer based on MultiJet Technology having the capability to produce true / multi color and multi material anatomical parts from 3D model suitable for surgical planning, training and other healthcare applications.	
The 3D Printers must possess compatibility with office/lab environments, ensuring safe operation within such setups. It is essential that the system is non-laser based.	
The manufacturer of the equipment & material should hold ISO 13485 certification, demonstrating their adherence to quality management systems specifically designed for medical device manufacturing.	
The equipment should have US FDA 510K (or equivalent) cleared certification for clinical diagnostic use	
Requirement	Specification
<b>General</b>	The 3D Printer should have the capability to simultaneously load and utilize at least five distinct model materials. It should possess the ability to mix these materials to create multi-material parts with varying properties and colours for diverse medical applications.
	The 3D Printer should be able to produce fully cured parts directly, without any post-curing processes
	The 3D Printer should be capable of mixing rigid and flexible materials with a range of varying hardness to accurately replicate the different soft and hard anatomical tissues and allowing for a more realistic representation of different anatomical structures.
	The 3D Printer should be capable of running special medical materials to produce real life anatomical models which can mimic actual biomechanical properties of the human tissue and can be used as a cadaver replacement for surgical planning.
<b>Build Volume</b>	X-Y Build Area should be 1,000 cm <sup>2</sup> or greater. Build (Z) Height: 180mm or greater.
<b>Layer Resolution</b>	20 microns or finer
<b>Print accuracy</b>	150 microns or better
<b>Material Handling</b>	The resin material should be available in leakproof cartridges that can be directly inserted into the printer without the need to expose it to the open environment.
	The 3D Printer should automatically detect the type of resin material being used and accurately determine the remaining quantity and provide real-time information.
	The 3D Printer should be equipped with two or more material housing/bays, for storing the model and support material.
	Automatic material switchover capabilities between materials for printing large jobs with automatic pause features in case of material replenishment.

<b>Materials</b>	The rigid material should be available in variety of colors.
	The transparent material offered by the 3D Printer should possess exceptional transparency to produce clear and see-through parts.
	The Machine should be capable of printing components from special medical materials or a combination of materials to mimic actual bone and tissue structure with biomechanical properties.
	The 3D Printer should have the capability to support the usage of biocompatible materials certified according to ISO 10993 & ISO 18562 standards.
	The biocompatible material used by the 3D Printer should be capable of undergoing sterilization processes such as Ethylene Oxide (EtO) sterilization, Gamma sterilization, and Steam sterilization for various clinical applications.
	The Machine should be capable of printing components with Radio opaque material for Radiology Medical applications.
	The 3D Printer should include a distinct support material that is non-toxic in nature and should not present any health risks to users. It should be washable with plain water.
<b>Software Features</b>	Automatic generation of support structures for any given design.
	Direct import of CAD formats including IGS, VRML, STP, Parasolid, and native files. It should also import texture color formats such as obj, vrml, 3mf, and auto repair them for any errors present in CAD data.
	Software should be capable of selecting the Anatomical pre-set depending upon the anatomy to mimic the biomechanical properties.
	Software should have slice preview options to visualize individual slices of internal anatomy of Bone structures.
	Software should have option for screw insertion strain relief in orthopedic models
	Software should have the option to control Radiopacity values in Printed models
	Software should be capable of modifying the internal geometry of the anatomy depending upon the available pre-set selection to mimic the actual behavior of the anatomy.
	The software should possess the capability to produce 3D print assembly models using a variety of materials in different combinations. It should be capable of directly importing assembly files within the software.
	Operating System: Windows 10 or higher.
	The software should enable the combination of base materials to produce RGB or CMYK formats, resulting in full-colour, dense parts with 500,000 shades or better to accurately represent intricate anatomical features.
	The software should possess the capability to automatically plan the placement of parts in the build area considering factors such as support requirements, material usage, and other printing constraints.
	The software should have the capability to display alerts and notifications to guide users throughout the printing process, ensuring a seamless experience. It should give reminders, or warnings to take appropriate actions or make informed decisions.
<b>Post Processing Cleaning Station Specification</b>	The Bidder must quote the required Post Processing cleaning station for quick removal of the support structure if any.
<b>Regulatory Compliance</b>	The quoted hardware equipment should have CE / FCC certification. Supporting documentation validating these claims should be provided.
<b>3D Models of Human Anatomies</b>	The Bidder must quote and supply the 3D files of anatomical 3D models suitable for multi-material 3D printing. The models should be designed for medical education purposes and capable of high-quality printing, such as Adult Male and Female, Adolescent Male and Female, Child Male and Female.

<b>2) Technical Specification for Supply of Medical Imaging Processing software.</b>	
Software should be able to import patient anatomical data (imaging information from a medical scanner such as a CT scanner) and allow to create patient specific anatomical models for pre-operative surgical planning	
<b>Data Management</b>	<ul style="list-style-type: none"> <li>• Software should support DICOM files of numerous imaging modalities such as CT, MR and CBCT.</li> <li>• Software should allow for the import of DICOM files, .stl files, .json* and mrk.json* files</li> <li>• Software should be compatible with import/export in NRRD file format.</li> <li>• Software should have the option to search for patient files and intuitive viewer controls</li> <li>• Software should have features such as Volume, Mask and Mesh overlays on patient images for constant results verification.</li> <li>• Software should have the option to automatic sync between 3D model and patient scan views</li> <li>• Software should have features such as 3D split segment tool, hollow tool, multiple files Boolean allows seamless segmentation.</li> </ul>
<b>Automatic segmentation tools</b>	<ul style="list-style-type: none"> <li>• Software should have Threshold base automatic segmentation tools for vasculature and Bone anatomy.</li> <li>• Software should support Semi-automatic and manual tools such as Add and Remove segment, morphological operations, wrap solidify, 3d surface cut, smoothing options (including media, joint smoothing, gaussian smoothing, opening and closing segment based on pixel values, spline tool for nerves segmentation, island effects and volume rendering etc. for modification and fine tuning of segmentation result where needed.</li> </ul>
<b>Automatic conversion to Mesh (polygon) model</b>	<ul style="list-style-type: none"> <li>• Software should have an option for the Conversion of segmentation results (Mask) to Mesh in a single click.</li> <li>• Software should have an option for the Conversion of single or multiple masks to mesh file at once.</li> <li>• Software should have an option for the Conversion of Mysh files into segmentation (Mask).</li> </ul>
<b>Patient Specific Implant Design</b>	<ul style="list-style-type: none"> <li>• Ability to design implants such as plates, cages, cranial base plates, and other custom implants directly on patient anatomy.</li> </ul>
<b>Surgical guide design</b>	<ul style="list-style-type: none"> <li>• Tools to create drill guides, cutting guides, navigation templates, and slot/flange/bridge features for surgical procedures.</li> </ul>
<b>CAD-style operations</b>	<ul style="list-style-type: none"> <li>• Offset surfaces, Boolean operations, hollowing, mirroring, and smoothing for implant/guide refinement.</li> </ul>
<b>Fit verification</b>	<ul style="list-style-type: none"> <li>• Tools to ensure proper fit of implant/guide to anatomy, including undercut removal, contact surface checks, and anatomical alignment.</li> </ul>

<b>3) Technical Specification for Supply of whitelight Handheld 3D Scanning System and Software.</b>	
<b>Supply Installation, commissioning, prove out and training of High-Resolution Handheld 3D Scanner System should be safe to scan humans.</b>	
<b>Data capture and Data Processing Software</b> - for 3D Data capture and Data Processing and merging of 3D Data. Software should be from the same OEM as the System and should be perpetual in nature	
<b>Short Range 3D Digitization System</b>	
<b>System Type</b>	Handheld
<b>System Weight</b>	< 1 kg
<b>Technology</b>	Structured (White) light
<b>Tracking method</b>	Hybrid geometry +Texture, no markers required
<b>Lense Type</b>	Non-Detachable
<b>In-build Colour Capability</b>	24 bits per pixel or better
<b>Texture Resolution</b>	1.3 mega-pixel
<b>Real time alignment</b>	During scanning the data alignment should happen automatically irrespective of changing in the orientation of the component.
<b>Auto Background removal</b>	In-built option to detect the base, must have option to change the height for base plane cutoff .
<b>Battery pack</b>	Battery backup Up to 5 hours / Re-chargeable, for outdoor scanning
<b>Flashlight</b>	Scanner should have option of switching off flash bulb to enable light sensitive parts i.e Human eye.

<b>Data Acquisition Speed</b>	17 million points per second or higher
<b>3D point accuracy</b>	Up to 0.1 mm or higher
<b>Volume capture</b>	Minimum 61000 cm <sup>3</sup> or better
<b>Working Distance</b>	< 1meter
<b>Data capture and processing software</b>	
<b>Description</b>	The software should provide the following functions: <ul style="list-style-type: none"> <li>- Allow users to scan objects/subjects</li> <li>- View, process and manipulate scan data</li> <li>- Merge scans and textures together</li> <li>- Software should be from same OEM as scanner and should be perpetual in nature</li> </ul>
<b>Automated-Data Processing</b>	Software should be able to guide through the steps and analysis data to build the best possible scanned data. User should have an option to select single click complete automated processing workflow from aligning the frames to the final polygonal model.
<b>Refinement of low-quality 3d captured data</b>	Software should give a possible good model with maintaining continuity with available scan data.
<b>Hole Filling</b>	Hole filling flat, curvature, watertight all option needs to fill.
<b>Measurement Tools</b>	Software should have measurement tools for Linear, geodesic Volume measurements, surface area on different cross sections.
<b>Erasing Tools</b>	Software to have customizable 3D noise filters. It should automatically delete the flat background on the scanned objects (i.e., base / noise), to minimize manual erasing process. Software to support defeature tools to automatically erase imperfections and fill holes with one click operation.
<b>Mesh Simplification</b>	Software to support simplifying to reduce no of points of the mesh based on the application before exporting to any output format. Should supports Uniform meshing, simplification by means of triangle count and Simplification by specified tolerance value.
<b>Bridge making</b>	Software should have the option to make bridges in missing area to create the best possible STL data.
<b>Additional Tools</b>	Software should have the option of creating a mirror, scaling and defeature tools for easy processing if required.
<b>3D Inspection Tools</b>	Data capture Software must support importing CAD model for quality inspection by comparing scan output supported by coloured visualization with changeable Tolerance band. Best fit, Datum base alignment btw scan and cad data . Add annotation and take screenshot to create report.
<b>2D Inspection Tools</b>	Data capture Software should have the option of creating a 2D section analysis with STL and cad data in specified tolerance.
<b>3D Freeform surface</b>	Data capture software should support extracting Freeform surface by selecting a 3D profile from the scan data which should be exportable to STEP and IGES.
<b>Uploading scan models to web GL</b>	Accessibility to upload the scan models directly from the Data capture software to secured web graphics library, publicly or privately for reviews and comments.
<b>Photo realistic Texture</b>	Data capture software to support importing multiple angle photos of the scanned object and mapping the same on created 3D model to give Photo realistic texture in the Data capture software.
<b>Workflows</b>	Software should have function to allow user to pre define workflows in data processing for repeat scanning of same/similar parts

<b>4) Technical Specification for Supply of High Accuracy Laser 3D Scanner</b>	
<b>Supply Installation, commissioning, prove out and training of High Accuracy and High-Resolution Handheld Laser 3D Scanner, Software and Accessories</b>	
<b>Data capture and Data Processing Software</b> - for 3D Data capture and Data Processing and merging of 3D Data. Software should be from the same OEM as the System and should be perpetual in nature	
<b>System Type</b>	Handheld
<b>System Weight</b>	< 1 kg
<b>Technology</b>	Laser 3D Scanning

	<p>Scanner should support the following scanning modes:</p> <ol style="list-style-type: none"> <li>1. 26 x 26 (or higher) crossed Blue Laser Line for High-Speed Scanning.</li> <li>2. 7 (or higher) Parallel Blue Laser Line for Fine detail scanning.</li> <li>3. Single Laser Line for Deep pocket scanning</li> <li>4. 95 (or higher) Laser Line to scan large area without Target Marker Mode.</li> </ol>
<b>Ability to scan Texture</b>	Yes (Built in 5 MP camera or better)
<b>Data acquisition speed</b>	Minimum 3 million points/s or better,
<b>Accuracy</b>	Accuracy - 0.02 mm or better Volumetric accuracy – 0.02 mm +0.015 mm/Meter (with Photogrammetry inbuilt)
<b>Resolution</b>	0.01 mm or better
<b>FOV</b>	650 X 580 mm
<b>Scanning Depth</b>	360 mm or better
<b>Scanning Range</b>	50 mm to 6 Meter
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Provision the device for a safety Band for better Grip and direct dust protection.</li> <li>• Calibration Certificate</li> <li>• Calibration Kit,</li> <li>• OEM Certified Hardcase with Tire to travel scanner safely.</li> <li>• 3 mm stickers x 2000 qty</li> <li>• 6 mm Sticker x 2000 qty</li> </ul>
<b>Certification</b>	CE, FCC, ROHS
<b>Temperature Control System</b>	Scanner must have inbuild cooling fan to maintain the optimal temp of scanner.
<b>Output format</b>	Software should support at least standard formats like OBJ, PLY, STL, ASC, 3MF
<b>Data capture and processing software</b>	
<b>Description</b>	<p>The software provided must interface simultaneously with both systems. The software should provide the following functions:</p> <ul style="list-style-type: none"> <li>- Allow users to scan objects/subjects</li> <li>- View, process and manipulate scan data</li> <li>- Merge scans and textures together</li> <li>- Software should be from same OEM as scanner and should be perpetual in nature</li> </ul>
<b>Cutting Plane</b>	Software able to make cutting plane to avoid extra Base scanning.
<b>Distant colour</b>	Software to Display scanner movement from the scanning object in different colours to ensure maintaining good, continuous scan while working in the work range.
<b>Auto Brightness</b>	Software to auto adjust the Brightness of the ongoing scan automatically based on lighting condition.
<b>Control over scanning speed</b>	Flexibility to decrease the scanning speed by changing the speed of frames per second.
<b>Data registration quality</b>	Users should be able to understand the quality of the data registered before post-processing.
<b>Auto / manual Hole Filling</b>	During post processing the mesh, software automatic fill the hole as per mesh continuity.
<b>Watertight model</b>	Making a watertight model that can direct 3d Print by 3MF file.
<b>Align in Global Co-ordinate System</b>	Align the mesh Data based on Line, Point & Plane feature ,
<b>Refinement of low-quality scan data</b>	Software should give a possible good model with maintaining continuity with available scan data.
<b>Mesh Simplification</b>	<p>Software to support simplifying to reduce no of points of the mesh based on the application before exporting to any output format. Should supports Uniform meshing, simplification by means of triangle count and Simplification by specified tolerance value.</p>
<b>Bridge making</b>	Software should have the option to make bridges in missing area to create the best possible STL data.
<b>Additional Tools</b>	Software should have the option of creating a mirror, scaling and defeature tools for easy processing if required.
<b>Splitting the mesh</b>	Scanning software should supports splitting the mesh wrt created Plane as two or more entities with cap end closure on the cut portion.
<b>Hardware requirement</b>	Win10/11, 64 bit; Graphics card: NVIDIA RTX 3060; Video memory: ≥6GB; Processor: I7-11800H; Memory: ≥64 GB or better

<b>5) Technical Specification for Supply of Digital Design Software with Forced Feedback based Virtual Sculpting Device</b>	
3D Design Software should allow user to model design over scan data taken from patients / object with an option of using forced feedback based haptic device for ease of modelling and deliver freedom of motion and the physical sensation of sculpting in a virtual environment. Software should be proven for design of patient implants and pre-surgical models and must be in supply for 5 years or more in similar domain in India/globally.	
<b>Software Specifications</b>	
<b>Import formats</b>	3D import of polygon and CAD neutral formats (.stl, .obj, .ply, .xml, .zpr, .iges, .stp, .step)
<b>NURB surface compatibility</b>	Software should support mesh editing tools, sculpting tools on the mesh model to export as NURBS surfaces
<b>Voxel modelling tools</b>	Software should support Multi Vox Viewing and Painting.
<b>Output formats</b>	Export of Orthographic or Turntable Modes (bmp, jpg, or png with transparency option and Export of volumetric data (.3mf, Image Stacks)
<b>Virtual Sculpting Device Specifications</b>	
<b>Range of Motion</b>	Hand movement with picot at wrist
<b>Position Resolution</b>	>1000 dpi
<b>Stiffness</b>	X axis: 1.8 N/mm or better Y axis: 2.2 N/mm or better Z axis: 1.4 N/mm or better

<b>6) Technical Specification for Supply of Desktop Grade SLA 3D Printer capable of printing in Biocompatible materials.</b>	
<b>Supply Installation, commissioning, prove out and training of LCD/DLP based 3D printer capable of printing high resolution parts in general purpose, engineering grade, elastomeric and biocompatible materials.</b>	
<b>Build Volume</b>	35 × 19 × 35.0 cm or better
<b>Layer Resolution</b>	50 microns or better
<b>Layer Thickness</b>	25 – 200 µm
<b>Maximum Print Speed</b>	60 mm/hour or better
<b>Material compatibility Resins</b>	Grey, White, Clear, Tough 2K, Durable, Elastic, Fast Model, High Temp, Rigid, etc.
<b>Software Included</b>	Free Slicing Software
<b>Resin Loading</b>	Automatic Refill System
<b>Automated material mixing</b>	To ensure consistent resin quality and reduce manual handling.
<b>Flexible build platform.</b>	Flexible build platform – for easy part removal and reduced print failures.
<b>Post Processing</b>	Requires Washing & Curing unit
<b>Tool kit &amp; accessories</b>	To be included
<b>Operating System</b>	Windows 10 (64-bit) and above

## ANNEXURE -C

### (Undertaking from Bidder)

To,  
The Managing Director,  
**Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)**  
**19-A, Rukmani Lakshmipathi Rd, Egmore,**  
**Chennai, Tamil Nadu 600008**

Sir,

Subject: Undertaking for the participation in the **Tender Ref.No: TIDCO/TANCAM/2025-26**

Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS

1. Notice Inviting Tender
2. Instruction To the Tenderer
3. Technical Specifications of machine (Annexure-B)
4. Annexure – D (Technical Bid)
5. Annexure – E (Commercial Bid)

I/We .....do hereby submit the above tender in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this tender is accepted, I/We agree to abide by and fulfil all the terms and conditions in the tender documents

I/We hereby distinctly and expressly declare and acknowledge that before the submission of this tender, I/We have carefully followed the instructions, and I/We have understood the existing system of supply at the location(s) of Purchaser including the scope and nature of duties expected from the Bidder.

I/We distinctly agree that I/We would hereafter make no claim or demand upon the Purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

I/ We declare that our unit has never made any default in supplying the machine/ equipment to Government / Semi Government/ Central or State Public sector enterprise(s) in terms of quality and financial agreed supply conditions.

Any notice required to be served on me/us shall be sufficiently served on me/us by post (registered or ordinary) or courier or left at my/our address furnished herein.

.....  
.....

.....  
.....

I/We fully understand the terms and conditions in the tender documents.

I/We understood that the Purchaser is not bound to accept any proposal that it may receive without assigning any reason.

Dated this.....day of.....2025

Authorized Signatory

Seal:

## ANNEXURE-D

### FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID

1. **Tender Ref.No: TIDCO/TANCAM/2025-26**

2. **Name of Bidder:**

.....

3. **Complete office address of Bidder:**.....

Sl.No	Technical Specifications	Acceptance to the Specification as placed at Annexure-B and agreed to supply with required Quantity (write YES/ NO only)	If marked “NO” in the column before, specify the deviation in specification of the machine offered for the supply
1	Technical specifications of Multi-Material 3D Printer for fabrication of twin anatomies for Surgical Planning and training		
2	Technical Specification for Supply of Medical Imaging Processing software		
3	Technical Specification for Supply of white light Handheld 3D Scanning System and Software		
4	Technical Specification for Supply of High Accuracy Laser 3D Scanner		
5	Technical Specification for Supply of Digital Design Software with Forced Feedback based Virtual Sculpting Device		
6	Technical Specification for Supply of Desktop Grade SLA 3D Printer capable of printing in Biocompatible materials		
7	VR Head mount gear		
8	Workstations		

(Detailed specifications of each equipment to be addressed, Extra sheet may be enclosed)

**Confirmation for supply to the location(s):**

S.NO	Details	Location
		Chennai
1	Tentative quantity required at each location	1
2	Consent to supply: (write YES/ NO only in the cells placed under each location)	

7. EMD payment details): Details of EMD paid.....  
.....

The EMD of Rupees Rs. 5 Lakhs shall be submitted.

8. PAN of Bidder (self-attested copy to be enclosed) .....

9. GST and CIN registration number of Bidder (self-attested copy to be enclosed)  
.....

**10. Delivery period after receipt of supply order from Purchaser:** (The Purchaser interested in complete delivery of machine by the Bidder within sixty (60) calendar days from the date of issue of supply order. However, the Bidder has an option to submit the best delivery time, but in any case, the delivery should be before 90 days from the date of issue of supply order by Purchaser. Delivery to be completed in number of days ..... (Calendar Days In figure)  
..... (Calendar Days in words) for delivery from the date of issue of supply order by Purchaser.

**11. Details of address with contact details from where the Bidder planned to offer After Sales Services during the Warranty & after Warranty Maintenance period**

Details	Location
	Chennai
Details of address of Bidder for rendering After Sales Services	

**12. Details of address with contact details for at least three purchaser to whom the Bidder supplied similar machine in the last five (05) years and machine shall be in operations to the satisfaction of buyer for the last three (03) years:** *The format for submission of details for at least three purchaser are as under: (the Bidder can furnish details of even more than three purchaser)*

- a. Address of Purchaser with contact details (email and phone no.): .....
- b. Details of order for supply placed to Bidder: .....
- c. Description and quantity of ordered equipment:  
.....
- d. Value of order in rupees: .....
- e. Date of completion of delivery: .....

***(The Purchaser shall have liberty to contact any or all of purchaser to assess the performance of machine supplied by Bidder)***

**13. Documents - Details to be enclosed with the Technical bid by Bidder are as under:**

- a) In case the Bidder is Original Equipment Manufacturer, the Bidder to submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying the similar machines, as asked in this tender, for the last Ten (10) years.
- b) In case the Bidder is Authorized Partner of OEM, the Bidder to attach self-certified valid Partner license from Original Equipment Manufacturer who should have valid ISO Certificate and shall be engaged in regular manufacturing and supply of similar kind of machine for the last ten (10) years.
- c) The original Equipment Manufacturer shall attach the self-certified copy of valid ISO Certificate for their establishment.
- d) In case the Bidder is Authorized Partner of OEM, the Bidder to attach the self-certified copy of valid ISO Certificate of their OEM.
- e) Undertaking as per Annexure-C on official stationery.
- f) Duly signed all pages of “Instructions to Tenderers” of the tender document as a mark of acceptance.
- g) The letters substantiating performance from at least three (03) other purchasers, to whom, the similar machine supplied by the Bidder in last five (05) years, wherein, the machine shall be in operation to the satisfaction of buyer for the last three (03) years, to assess performance of the machine supplied by your organization.
- h) Technical Literature of machine(s) with particular reference to the model of machine proposed to supply against this tender along with reference of website to assess the further features.
- i) Authorization letter in favour of personnel to sign the tender behalf of Bidder.
- j) Self-attested copy of valid GST & CIN registration.
- k) Self-attested copy of valid PAN.
- l) The Bidders shall furnish complete technical details of machine/equipment/material for the machine offered to supply through the participation of this tender (use separate sheet to elaborate the details of technical specifications such as Measuring Range/Size, Least Count/Resolution, Accuracy, Materials used, Accessories, Tools, Spares etc.)
- m) To submit all supporting information with respect to the technical data, drawings or booklets of product. Any product brief, test certificates available may be enclosed.

I/We as Bidder certify that:

- a. The tender shall remain valid for acceptance for 90 days from the date of opening the Technical Bid of the tender.
- b. Agree to offer services for onsite comprehensive warranty on the machine(s) supplied through this tender.
- c. Agree to offer services for maintenance contract for the next three (03) years for the machine(s) supplied through this tender.
- d. Agree to impart onsite training to the designated personnel of Purchaser for 10 working days.
- e. No price of any Machine/ Equipment/ Spares/ Accessories shall be given in Technical Bid.
- f. All above machines should be provided with safety features/ curtains/ enclosures etc. wherever applicable.
- g. Units should certify that all consumables, electrical and electronic parts of the product conform to national/ international standard(s).

Name & Signature of the Authorized Bidder with stamp  
Contact details of authorized person of Bidder who have signed the tender.

Name.....  
Designation.....  
Phone (office).....  
Phone (Mobile).....  
E mail.....

**Annexure –E**  
**FORMAT FOR SUBMISSION OF COMMERCIAL BID**

1. Tender Ref. No: **TIDCO/TANCAM/2025-26**

2. Name of the Bidder: .....

3. A BOQ format has been provided with the RFP document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the Price Bid file (BOQ), open it and complete the cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the Price Bid file is found to be modified by the bidder, the bid will be rejected.

Note: The e-Procurement System automatically calculates and inserts the total Bid Price in the BOQ Schedule on the basis of (i) the rates entered by the Bidder in the BOQ Schedule online and (ii) quantities provided in the BOQ Schedule. The System also automatically populates the amount in words from the amount in figures. Therefore, there is no scope of discrepancy and need for arithmetic correction

The followings to be noted while submitting financial details for the supply of machine to the individual location:

a. The competitiveness of the bid shall be assessed for the single specified location. The Bidder shall submit their competitive offer for this location only. Since the evaluation will be carried out solely for this individual location, the Purchaser will select the Bidder offering the most competitive bid for this location

b. The Purchaser will not issue any form ('D' and 'E') toward rebate / exclusion of GST

c. The Bidder will not be entitled to any increase in rate of taxes occurring during the period of delivery even if there is delay in supplies / completion attributed to him.

d. The Total Cost quoted above should be inclusive of basic price, statutory levies and taxes, duties, Transportation, Incidental Services (including Insurance, Loading/ Unloading, Packing & Forwarding charges etc.), Installation & Commissioning, Demonstration & Training, on-site warranty and maintenance contract.

e. The price competitiveness shall be given due consideration while analysing the Commercial Bid.

I/We as Bidder certify that:

a. The tender shall remain valid for acceptance for 90 days from the date of opening the Technical Bid of the tender.

b. Agree to offer services for onsite comprehensive warranty on the machine(s) supplied through this tender.

- c. Agree to offer services for maintenance contract for the next three years for the machine(s) supplied through this tender.
- d. Agree to impart onsite training to the designated personnel of Purchaser for 10 working days
- e. Agree to issue of the Installation, Operation, Maintenance, and Training Manuals with machine.
- f. Agree that the offer price is valid for a period of 90 days from the date of opening of technical bid of this tender

Further confirm that we agree with the terms and conditions specified in “Instructions to Tenderers” and if selected, the execution of supplies would be made in compliance.

Name & Signature of the Authorized Bidder with stamp  
Contact details of authorized person of Bidder who have signed the tender.

Name.....  
Designation.....  
Phone (office).....  
Phone (Mobile).....  
E mail.....

## ANNEXURE -F

### MANUFACTURER'S AUTHORISATION FORM

The Managing Director

**Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)**

**19-A, Rukmani Lakshmipathi Rd, Egmore,**

**Chennai, Tamil Nadu 600008**

Dear Sir,

Ref: Tender Ref No ----- dated -----

We,----- who are proven and reputable manufacturers of -----  
----- (Name and description of goods offered in the tender) having factories at -----  
--, hereby authorises ----- (Name and address of agent/distributor/seller) to  
submit tender, process the same further and enter into contract with you against your  
requirement as contained in the above referred Tender documents for the above goods  
manufactured by us.

We also state that we are not participating directly in this tender for the following reasons(s):  
----- (Please provide reason here).

We further confirm that no supplier or firm or individual other than -----  
(Name and details of the agent/distributor/seller) is authorized to submit a tender, process the  
same further and enter into a contract with you against your requirement as contained in the  
above tender documents for the above goods manufactured by us.

We also hereby extend our full warranty as applicable as per the conditions of the tender.

We also hereby confirm that we would be responsible for the satisfactory execution of contract  
placed on the authorised agent.

We also confirm that the price quoted by our agent shall not exceed the price which we would  
have quoted directly”

Yours faithfully,

**(Signature with date, name and designation)**

**For and on behalf of ----- [ Name and details of the  
agent/distributor/seller]**

Note: 1) This letter of authorization should be on the letter head of the manufacturing firm  
and should be signed by a person competent and having the power to legally sign.

## ANNEXURE-G

### NON-BLACKLISTING UNDERTAKING

Tender Ref. No: **TIDCO/TANCAM/2025-26**

2. Name of the Bidder: .....

**To**

The Managing Director

**Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)  
19-A, Rukmani Lakshmi pathi Rd, Egmore,  
Chennai, Tamil Nadu 600008**

Sir,

We confirm that our company have never been blacklisted in any manner whatsoever by any of the State/UT and/or Central Government in India in last three years on any ground.

Signature of the Authorized Signatory of the Bidding Organization)

Name :  
Designation :  
Seal :

**ANNEXURE-H**

**CERTIFICATE OF GUARANTEE FOR SUPPLY OF SPARES DURING  
POST WARRANTY PERIOD**

(To be enclosed with BID -on Original Letter head)

To,

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SUB: Tender Ref.No

Dear Sir,

We the supplier hereby give a guarantee for the supply of all necessary spares demanded for the routine and emergency maintenance of ..... (equipment name) being supplied by us to..... (consignee name) for a period of not less than 5 years after the warranty period of 3 year and lifetime spares thereafter in case asked for by the Purchaser.

We further clarify that for the first 3 year, we are covered by the warranty clause as mentioned. For the remaining period of 5 Years and thereafter for the lifetime, a detailed list of spares will be supplied to the Purchaser for the purpose of enabling him to decide spares needed for routine and emergency maintenance.

Dated..... day of.....20.....

Signature

Name:

Designation

On behalf of

Signature (Witness)

Name:

Designation

on behalf o

## ANNUXRE-I

### CHECKLIST

**Name of the Tenderer:**

**Name of the Manufacturer:**

S.NO	Activity	Yes/ No/ NA	Page No. in the TENDER document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
2. a.	Have you enclosed duly filled Tender Form as per format in Annexure C?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the technical specifications?			
b.	In case of technical deviations in the compliance statement, have you identified and marked the deviations?			
4. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement as per Tender document in respect of all orders?			
b.	Have you submitted copy of the order(s) and end user certificate. <b>It is requested not to hide prices as the same will be required for establishing price reasonability. Provide latest purchase order copies.</b>			
6.	Have you submitted required documents and declarations as per Annexure A- H			