



**NOTICE INVITING TENDERS**

Tender No. KSRCT/NTTM -01/2024-25/01

Date: 30.05.2024

KSRCT invites Tender in Two Bid Systems (Technical and Commercial) from Resourceful and Reliable Suppliers/ Vendors for the Supply and Installation of Equipment's/Machines for NTTM (Government of India), Funded Project.

Interested may view and download detailed tender documents from KSRCT's website <https://ksrct.ac.in/>. Tender can be submitted on or before due date along with necessary documents submitted in hard copy in sealed cover to K.S. Rangasamy College of Technology, Tiruchengode, Tamil nadu.

  
PRINCIPAL



**BID DOCUMENT**

Notice Inviting Tender No.	KSRCT/NTTM -01/2024-25/01
Name of the Work	Supply and Installation of the Following Equipment's/ Machines: 1. Rapier loom 2. Microprocessor based blow room full line 3. Lab model carding machine 4. Lab model drawing machine 5. Lab model non-woven needle punching machine 6. Thermal bonding machine 7. Twin screw extruder with palletizer 8. Scanning electron microscope 9. Differential scanning calorimeter 10. Thermo gravimetric analyzer
Technical Specification	Annexure-A
Tender Creation Date and Time	30.05.2024 and 02:00 p.m.
Bid Type	Two Bid System - Technical & Commercial
Earnest Money Deposit (EMD)	Nil with Bid Security Declaration (Annexure-B)
Financial Bid	Annexure - C
Manufacturing Authorization Form (MAF)	Annexure - D
Mandate Form	Annexure - E
Non-refundable Tender Processing fee (inclusive of GST @ 18%)	₹ 590 /-
Tender Closing Date and time	26.06.2024 and 02:00 p.m.
Technical Bid Open Date and time	26.06.2024 and 04:00 p.m.
Cost Bid Open Date and time	27.06.2024 and 04:00 p.m.



### **QUALIFICATION CONDITIONS**

- Bidder should be authorized supplier/service provider of the quoted item/work and should submit the relevant documents/certificates.
- Bidder should have experience of supplying such items and will have to furnish details of previous supplies.

### **BID PRICE**

- Bid must be valid for a period of three months from the closing date of tender.
- All duties, taxes and other levies including the transportation expenses are payable by the Supplier/Agencies/Company under the contract and shall be included in total price.

### **BID EVALUATION**

- The purchase committee of KSRCT will evaluate and compare bids that confirms to terms and conditions, specifications, and quality parameters.

### **DELIVERY PLACE**

- Bidder has to supply and deliver the materials in requisite number at the office of **K.S.RANGASAMY COLLEGE OF TECHNOLOGY**, Tiruchengode - 637 215, Namakkal Dt., Tamil Nadu.

### **OTHER TERMS AND CONDITIONS**

- No payment will be made for any damage of goods supplied.
- The purchase committee of KSRCT reserves the right to reject the offer of one or all the tenderers without assigning the reason thereof.
- Bidder should submit the following details as Annexure while placing the bid,
  - Manufacture's specification sheet/catalogue
  - Delivery period
  - Payment detail
  - Warranty detail
  - Availability of after sales service (AMC)



**INSTRUCTIONS FOR OFFLINE BID SUBMISSION**

This tender document has been published on the <https://ksrct.ac.in/> portal for inviting the tenders from eligible Suppliers/Vendors.

**OFFLINE SUBMISSION** -- The bid should be submitted only in **OFFLINE**.

- a. The cover should contain all the prime eligibility documents along with fees towards the cost of the tender document and all pages of the tender document with the signature of the tenderer and it should be PVC/WAX sealed.
- b. The envelopes should be superscripted at the top of the cover as “**NTTM - SUPPLY OF TECHNICAL TEXTILE MACHINERY AND INSTRUMENTS**”.
- c. The financial bid document should be removed from the tender document and covered with a sealed envelope with the name of the tenderer, superscripted at the top as “**FINANCIAL BID FOR NTTM - SUPPLY OF TECHNICAL TEXTILE MACHINERY AND INSTRUMENTS**”.
- d. The completed tender forms along with the enclosures and the sealed cover containing the financial bid should be submitted in ONE cover and addressed to

**Dr. R.GOPALAKRISHNAN (PRINCIPAL)**  
**K. S. RANGASAMY COLLEGE OF TECHNOLOGY,**  
**KSR Kalvi Nagar, Tiruchengode, Namakkal DT,**  
**Tamil Nadu - 637 215.**

**Contact Details (Mobile)**

**: 9865455555 / 9280808082**

**E-Mail Id**

**: [principal@ksrct.ac.in](mailto:principal@ksrct.ac.in) /  
[directorfinance@ksrct.ac.in](mailto:directorfinance@ksrct.ac.in)**

- d) The sealed envelope should be submitted by Speed Post/Registered Post with acknowledgement due/courier (OR) in person at the reception of K. S. RANGASAMY COLLEGE OF TECHNOLOGY, KSR Kalvi Nagar, Tiruchengode, Namakkal DT, Tamil Nadu - 637 215 on or before the due date and time.



Technical Bids will be opened as per the schedule given on critical dates in the presence of bidders or their authorized representatives. If the opening date happens to be a closed day/holiday, the tender will be opened on the next working day. Only one authorised representative from the firm shall be allowed to participate in the opening of technical bids/price bids

### **SEARCHING FOR TENDER DOCUMENTS**

Bidders can search for the tenders upon clicking <https://ksrct.ac.in/> scrolling on the institution web page and textile department page (<https://2023.ksrct.ac.in/schools-and-departments/b-tech-textile-technology-2/>).

### **PREPARATION OF BIDS**

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bids. Any deviations from these may lead to rejection of the bids.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document.
4. The price bid format is given for ready reference only.
5. The price bid format in may also be downloaded from tender website.

### **SUBMISSION OF BIDS**

1. Bidder should be in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. Bidders are requested to note that they should necessarily submit their financial bids.
3. Technical bid should not include any financial information. Technical bid containing financial information shall be declared non-responsive and shall be disqualified.



4. The offer/bid shall be submitted in two bid systems (i.e.) Technical bid and Price bid. The technical bid shall consist of all technical details along with commercial terms and conditions. Price bid also should be submitted.
5. Bidder should consider any addendum/corrigendum published on the tender document, on the relevant website, before submitting their bid.

### **ASSISTANCE TO BIDDERS**

Any queries relating to tender document and the terms and conditions contained therein should be addressed to the tender inviting authority for a tender or the relevant contact person indicated in the tender. The email-id for the Help Desk is: [hodtextile@ksrct.ac.in](mailto:hodtextile@ksrct.ac.in) or [sukumar@ksrct.ac.in](mailto:sukumar@ksrct.ac.in).

### **ACCEPTANCE AND REJECTION**

K. S. RANGASAMY COLLEGE OF TECHNOLOGY, reserves the right to accept/reject any or all tenders and accept the whole or any part of the tender without assigning any reason. A tender that does not fulfil any of the terms and conditions of the tender or with incomplete documents in any respect will be rejected summarily.

### **GENERAL INSTRUCTIONS TO THE BIDDERS**

1. In the technical bids, the bidders are required to submit the necessary documents along with all annexures.
2. The enlistment of the vendors should be valid on the last date of submission of tenders.
3. Bidder must read the terms and conditions of tender carefully. He/She should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
4. The Bidder should have a valid License/Registration, GSTIN No., PAN Number, Bank Account and registered office in India.
5. The Bidder should not have been blacklisted by any Govt. Dept./Semi-Govt./Dept. or any other organization.



6. Information regarding experience in the Supply & Installation of the same/similar Machinery & Instruments/machinery in India. Documentary Evidence to be supported by Purchase Orders and Project/installation completion certificates.
7. Bidders shall have sufficient manufacturing capacity /tie-ups and should have the after-sales support infrastructure

#### **EVALUATION CRITERIA AND FINAL SELECTION**

- 1) The committee constituted by the Principal, K. S. RANGASAMY COLLEGE OF TECHNOLOGY will examine the technical documents and decide the suitability as per the requirements of K. S. RANGASAMY COLLEGE OF TECHNOLOGY and the terms and conditions of the tender. Only the technical bids of the firms, which meet the qualification criteria, would be taken up for detailed evaluation.
- 2) The technical committee will visit to verify the capacity and capability of the bidders to assess the performance of similar Machinery & Instruments/machinery supplied by them.
- 3) Selection of the bidders shall be based on a weighted criteria system to be derived from the submitted tender documents, experience etc., In the case of non-fulfilment of minimum pre-qualification criteria of the technical bid, the bid of the respective bidder shall be rejected. The competent authority will decide regarding the selection of Contractors.



Annexure A

TECHNICAL SPECIFICATION

S.No	Name of the TEXTILE LABORATORY MACHINERY & INSTRUMENTS	Specification
1	Rapier Loom	<ul style="list-style-type: none"><li>• Machine Speed 200 -260 RPM</li><li>• Weft Insertion Speed 400 - 650 m/min</li><li>• Shedding - Electronic Jacquard (around 3000 Hooks)</li><li>• Weft Colour - 8 colours</li><li>• Width - 60 inches</li></ul>
2	Microprocessor based Blow Room Full Line	<p>Microprocessor based Blow Room Full Line with 20" width with complete processing line consisting of the following:</p> <ul style="list-style-type: none"><li>• Bale Opener- Bale opener suitable to open pieces of stock fibres taken from bale and place on feed lattice into tufts and to mix tufts.</li><li>• It should consist of feed lattice, evener roller, mixing chamber spiked lattice grid bar, Nose beater, stripper roller etc.,</li><li>• Step Cleaner- with 6 beating cylinders in steps at a suitable angle for tufts upwards, removing heavier impurities by centrifugal force with grid segments, micro dust exhaust attachment.</li></ul>
3	Lab Model Carding Machine	<ul style="list-style-type: none"><li>• Carding Machine having 250mm working width, 250mm cylinder, doffer, feed roller, opening roller, stripping roller, crush roller, under casing, take up drum, trumpet, Coiler with individual AC variable speed motors with control system to control the speeds of Feed roller.</li><li>• Cylinder and Doffer</li></ul>
4	Lab Model Drawing Machine	<ul style="list-style-type: none"><li>• Lab Model Drawing Machine having 3 over 3 drafting arrangement to process the slivers from miniature carding machine with individual AC variable speed motors with control system to vary the speeds of Front roller and back roller inclusive of motors, invertors, electrical, rpm indicators, potentiometers.</li></ul>





5	Lab model Non-Woven Needle Punching Machine	<ul style="list-style-type: none"> <li>• Touch Screen controlled Lab model Non-Woven Needle Punching Machine having 450mm working width Needle Punching machine with 60mm stroke length, pushing rod, two sets of interchangeable Needle Boards with needles having a maximum density of 10 Needles per square inch</li> </ul>
6	Thermal Bonding Machine	<ul style="list-style-type: none"> <li>• Lab Model closed frame single station Thermal Bonding Machine having platen size 350mmx350mm, 250mm stroke, electrical heating system, temperature controller, motors, electrical, control system &amp; other accessories.</li> </ul>
7	Twin Screw Extruder with Palletizer	<ul style="list-style-type: none"> <li>• Capacity 20 kg per hour.</li> <li>• Volumetric feeder with twin screw</li> <li>• Vertical Degassing system Adaptor</li> <li>• Water Bath – Made with SS 304</li> <li>• Dry Strand Pelletizer</li> </ul>
8	Scanning Electron Microscope	<ul style="list-style-type: none"> <li>• Low-Vacuum mode</li> <li>• Live Analysis</li> <li>• Electrical, PLC, computer, UPS, control systems and other accessories.</li> </ul>
9	Differential Scanning Calorimeter	<ul style="list-style-type: none"> <li>• DSC Temp Range using Electrical Cooling attachment -80C to 500C</li> <li>• Efficient Seamless Joint Technology for excellent low temp control,</li> <li>• Heating Rates: 0.01C -- 100C/min</li> <li>• Temperature Accuracy: +/- 0.05C</li> <li>• Temperature Precision: +/- 0.01C</li> <li>• DSC Measurement Range: +/- 200mw and 400mw on both directions,</li> <li>• DSC Sensitivity: 0.2µW &amp; DSC RMS Noise: 0.1µW</li> <li>• Digital DSC resolution: 0.00002mw(0.02 µW),</li> <li>• Baseline Repeatability: &lt;+/- 5 µW from -50C to 300C</li> </ul>
10	Thermo gravimetric Analyzer	<ul style="list-style-type: none"> <li>• Measuring ranges: +/- 1000 mg or +/- 200 mg</li> <li>• Electronic resolutions: 0.2 µg / 0.02 µg)</li> <li>• Working Operation Up to 1150°C</li> <li>• Desktop Computer I5-Processor-12100 /16GB/1TB SSD Win 10 Pro /KYB/Mouse/ 21.5" Monitor/3YR Premier with MS Office</li> <li>• Cylinder with Oxygen Gas -7m3</li> <li>• Two stage Cylinder Regulator SS body Two stage Cylinder Regulator SS</li> <li>• Gas Purification and Control Panel - Oxygen</li> <li>• Cylinder with Nitrogen Gas 47 Liter Puri</li> <li>• Gas Purification and Control Panel - Nit</li> </ul>



		<ul style="list-style-type: none"><li>• Two stage Cylinder Regulator SS body</li><li>• High Pressure Gas Manifold System</li></ul>
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**Annexure B**

**(To be submitted by bidder on its Company Letterhead)**

It is here by submitted that if I/We .....(Name of bidder/firm/company) withdraw or modify the bids during period of validity, or if I/We..... (Name of bidder/firm/company) are awarded the contract and I/We.....(Name of bidder/firm/company) fail to sign the contract or to submit a performance security before the deadline defined in the tender documents, I/We .....(Name of bidder/firm/company) will be suspended to take part in KSRCT's tendering process for the period of two years from the date of occurrence of the above mentioned default."

Date :

Authorized Signatory



Annexure C

**FINANCIAL BID**

**("FINANCIAL BID FOR NTTM - SUPPLY OF TECHNICAL TEXTILE  
MACHINERY AND INSTRUMENTS")**

<b>Sl. No.</b>	<b>Name of the TEXTILE AND TECHNICAL TEXTILE MACHINERY &amp; INSTRUMENTS</b>	<b>(in Figures)</b>	<b>(in Words)</b>
1			
2			
3			
4			
5			

**Signature of Tenderer/Authorized Signatory :**

**Name of the Tenderer :**

**Seal of the Tenderer :**

**Address :**

**Note: -**

(if there is any discrepancy in figures and words in the quote, the rate quoted in words shall prevail)



Annexure D

**ORIGINAL MACHINERY & INSTRUMENTS MANUFACTURER (OEM)  
Manufacturing Authorization Form (MAF)  
(On Letter Head of Manufacturer)**

Ref. No:

Date:

To

**THE PRINCIPAL,  
K. S. RANGASAMY COLLEGE OF TECHNOLOGY,  
KSR Kalvi Nagar,  
Tiruchengode - 637 215,  
Namakkal DT, Tamil Nadu.**

We manufacturers of Original Machinery & Instruments at \_\_\_\_\_  
do hereby authorize (M/s. Name and address of the agent ) to submit an offer against  
the Tender for the supply of (Name of the Machinery & Instruments)

\_\_\_\_\_  
M/s. \_\_\_\_\_ is authorised to submit the bid and conclude the  
contract regarding business.

We hereby extend our full guarantee and warranty for the goods offered by the above  
firm. The dealer is associated with us from the period \_\_\_\_\_ to \_\_\_\_\_

Yours faithfully,

(Signature)

Name and seal of the Manufacturer.



Annexure E

**MANDATE FORM**

**ELECTRONIC CLEARING SERVICE (CREDIT CLEARING)/REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS**

**DETAILS OF ACCOUNT HOLDER:-**

NAME OF THE ACCOUNT HOLDER	
COMPLETE CONTACT ADDRESS	
TELEPHONE NUMBER//E-MAIL	
GST Number	
PAC Card Number	

**BANK ACCOUNT DETAILS :**

BANK NAME	
BRANCH NAME WITH COMPLETE ADDRESS	
TELEPHONE NUMBER AND E-MAIL	Ph. No : Bank E-mail :
IFSC CODE	
IS THE BRANCH ALSO NEFT ENABLED	YES / NO
TYPE OF BANK ACCOUNT ( SB/CURRENT)	SAVINGS ACCOUNT / CURRENT ACCOUNT
BANK ACCOUNT NUMBER	
MICR CODE OF THE BANK	



K.S.Rangasamy College of Technology  
Tiruchengode -637 215

Autonomous