NOTICE INVITING TENDERS

Tender No. KSRCT/NTTM -01/2026-27/T3/01 Date: 15.10.2026

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 -01/2026-27/T3/01
Name of the Work	Supply and Installation of the Following Equipment's/ Machines: 1. Non Woven Spunlace Machine 2. Melt Blown Spinning Full Line 3. Laboratory Extruder - Wet Spinning 4. Digital Fabric Printing Machine 5. Spectro Photo Colour matching system 6. Ultraviolet Transmittance Analyzer 7. Water Permeability Tester 8. Rheometer 9. Flexural 3 Point Tester 10. Impact Strength Tester 11. Water Resistance Tester 12. Spray rating tester 13. Absorption Tester (Non Woven)
Technical Specification	Annexure-A
Tender Creation Date and Time	15.10.2026 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	~~25.11.2026 and 02:00 p.m.~~ Extended upto 09.12.2026 and 02:00 p.m.
Technical Bid Open Date and time	~~25.11.2026 and 04:00 p.m.~~ Extended upto 09.12.2026 and 04:00 p.m.
Cost Bid Open Date and time	~~31.11.2026 and 04:00 p.m.~~ Extended upto 16.12.2026 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,
    1. Manufacture's specification sheet/catalogue
    2. Delivery period
    3. Payment detail
    4. Warranty detail
    5. 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

The 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 / viceprincipal@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

The Tenderer can quote rate either for the supply of one of Machinery & Instruments or any number of Machinery & Instruments, at his choice.
(It is not compulsory to quote the rate for all the Machinery & Instruments.)

EARNEST MONEY DEPOSIT

a) The EMD 2% of quotation value should be paid and enclosed with the Bid documents.

b) EMD shall be deposited in the form of a Demand Draft drawn in favour of The principal, K. S. RANGASAMY COLLEGE OF TECHNOLOGY, Tiruchengode" / BANK GUARANTEE in favour of "The principal, K. S. RANGASAMY COLLEGE OF TECHNOLOGY" issued by any Nationalized Bank valid for 210 days from the date of NIT.

c) The DD/BG for the EMD amount in original should be attached to the Tender document.

d) No other mode of payment for EMD will be accepted.

e) **Tenderer who are registered with NSIC/MSME authorities for the tendered service/item is exempted from the payment of EMD on the production of a self-attested copy of the certificate issued by NSIC/MSME.**

f) The EMD will not carry any interest while it is in the custody of K. S. RANGASAMY COLLEGE OF TECHNOLOGY.

g) The EMD will be refunded to the successful/unsuccessful tenderers after the finalisation of the Tender. The EMD paid in the form of BG will be returned to the successful tenderer onpayment of SD, execution of the agreement, and finalisation of the Tender.

h) The EMD will be refunded to the unsuccessful tenderer after the finalisation of the Tender.

i) The EMD will be forfeited if the successful tenderer does not supply the TEXTILE AND TECHNICAL TEXTILE LABORATORY MODEL/PROTOTYPE MODEL MACHINERY & INSTRUMENTS DEDICATED TO ACADEMIC ACTIVITIES Machinery & Instruments within the stipulated time.

j) The EMD will be forfeited if the tenderer withdraws the tender within the validity period ofthe bid.

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: viceprincipal@ksrct.ac.in (Mobile: 9280808082) or sukumar@ksrct.ac.in (Mobile: 9629558562).

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.

SECURITY DEPOSIT

1) The successful Bidder including NSIC/ MSME registered firms should remit a **Security Deposit equivalent to 10 % of the awarded amount** for the Machinery & Instruments supplied for One year within five days from the date of receipt of the communication by the Bidder.

2) This security deposit is payable in the form of a Term Deposit Receipt (TDR) / Bank Guarantee issued by a Nationalized / Scheduled Bank and it should be for twelve months. Failure to pay the security deposit within the specified time will entail the forfeiture of EMDand also the rejection of the tender.

3) The security deposit will not carry any interest while it is in the custody of K. S. RANGASAMY COLLEGE OF TECHNOLOGY.

4) The Security deposit will be returned after 24 months after the successful completion of the supply, installation, and training to the staff and there is no liability on the part of the Bidder to K. S. RANGASAMY COLLEGE OF TECHNOLOGY.

5) The Security deposit will be forfeited in the following circumstances.

   a) In case any document is found false / forged at any stage, the Security deposit willbe forfeited.
   b) If the contract is terminated by the K. S. RANGASAMY COLLEGE OF TECHNOLOGY due to the supply of poor quality Machinery & Instruments or negligence/misbehavior / bad act of the contractor / his personnel or non-observing of the provisions stipulated in the contract, the Securitydeposit shall be forfeited.
   c) If the contractor is found violating any law/rule related to the supply of the Machinery & Instruments and a report in this regard is received from the competent authority indicating the contractor for violation of any law/rule, the security deposit shall be forfeited without prejudice to any other action as per provisions of the contract.
   d) If the contractor fails to supply the Machinery & Instruments within the time limit specified, the penalty for delay shall be recovered from the Security deposit.
   e) The assessment of recoveries made by the Principal, K. S. RANGASAMY COLLEGE OF TECHNOLOGY shall be finaland binding on the contractor.

AGREEMENT:

a. The successful tenderer will be required to execute an agreement in a Non-judicial stamp paper of appropriate value within the time frame stipulated by K. S. RANGASAMY COLLEGE OF TECHNOLOGY, Tiruchengode.

b. The K. S. RANGASAMY COLLEGE OF TECHNOLOGY reserves the right to add/delete/modify the clauses in the agreement.

c. Failure of the successful bidder to comply with this requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security (EMD) in which event the K. S. RANGASAMY COLLEGE OF TECHNOLOGY may make the award to any other bidder, at the discretion of K. S. RANGASAMY COLLEGE OF TECHNOLOGY or call for new bids.

PERIOD OF CONTRACT:

a) The supply of the Machinery & Instruments should be completed within 60 days from the date of issue of the purchase order.

b) Extension/non-extension will be the sole discretion of the authority and the Contractorscannot assume extension as their right.

TERMINATION OF CONTRACT:

1) The competent authority reserves the right to terminate the contract at any time without assigning any reason if it appears to the authority at any point of time that the servicesbased on the quality of the machinery & Instruments

2) At any time during the period of the contract, if it comes to the notice of the K. S. RANGASAMY COLLEGE OF TECHNOLOGY that the contractor has misled this office by way of giving false/incorrect information which has been material in the award of the contract, the contract shall be liable to termination without any notice besides other legal action as per law. Further, in case of any breach,the contract can be terminated without any notice.

SPECIAL TERMS & CONDITIONS

a) The contractor shall take all precautionary measures to avoid any damage to adjoining property while installing the Machinery & Instruments. All necessary arrangements shall bemade at his own cost.

b) K. S. RANGASAMY COLLEGE OF TECHNOLOGY reserves the right to make any change, omission, additions (or) alterations to the original specifications of the Machinery & Instruments. Such changes, omissions, and substitutions shall be deemed to have been formed as work included in the original tender and the contractor shall be bound to carry out the work/adhere to the supply order.

c) The Period of warranty for the Machinery & Instruments will be for two Years.

d) The Contractor shall extend Post Supply Support to the Institute in maintaining the Machinery & Instruments.

Annexure A

TECHNICAL SPECIFICATION

S.No	Name of the TEXTILE LABORATORY MACHINERY & INSTRUMENTS	Specification
1)	Non Woven Spunlace Machine	• Lab scale Non woven machine • Fabric Width - 600 mm • With all auto control parameters
2)	Melt Spinning Full Line (Mini Model)	• Spinneret 20 – 30 holes • Speed – Above 900 m/min (continuous variable frequency adjustable) • Hopper – Stainless steel • Melting temperature - 350 ℃ • Melt Filtration - Stainless steel sintered plate • Control mode - Integrated touch screen control • Applicable materials - Chemical fiber, coal-based/pitch-based carbon fiber, or other modified polymers.
3)	Laboratory Extruder - Wet Spinning	• Capacity (liter) – 3 or above • Temperature – Room Temp to 95° C • Second Heating Bath – 150 ° C or above • Speed – 35 RPM or above • Spinneret nut – 100 or above (Dia – 0.07mm) • Air Gap between spinneret & bath - < 1cm • Filament count - 1.5K , 3.0 K • Tank material - Stainless steel • Heating temperature - RT-150℃ • Draft - 20m/min • Draft ratio - 10:1 • Control mode - PLC+ touch screen + software • Brand electrical/instrument/sensor, Integrated centralized control box • Centralized touch interface - Temperature control/temperature, measurement/flow/pressure/ speed

4)	Digital Fabric Printing Machine	• Minimum Media Width - 800mm or Above • Technology - sublimation printer • Ink Type - Heat transfer ink • Connectivity - USB • Color mode - 4 x 8 colours • Ink supply system - Automatic • Drying - IR dryer • Compressed water supply unit • Compressed air supply unit • Software and Computer
5)	Spectro Photo Colour matching system with software	• Measurement Principle - Dual Beam • Sphere Dimension - Above 150 mm Diameter • Light Source - Pulsed Xenon • Wavelength Range - 360 nm To 700 nm • Wavelength Interval -- 10 nm • Photometric Range - 0% To 200% • Wavelength Accuracy - 0.1 nm (avg.) • Observer angle should be 2°/10° • Instrument should have 2 measuring aperture-4 mm & 8 mm • Measuring Time should not exceed 2.6 Sec • Calibration Plate for black & White calibration should be provided • Instrument should have On-board camera based locator which will enable operator to position the instrument accurately on the chosen sample with minimal contact.
6)	Ultraviolet Transmittance Analyzer	• Wavelength range - 250– 450 nanometers • Bandwidth - Less than 4 nanometers • Lamp - Xenon flash lamp • Transmittance - 0–100%. • Absorbance - 0–2.7 A

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<td>7)</td>
<td>Water Vapor Permeability Tester</td>
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To test the water vapor transmission rate (WVTR) of packaging materials, such as plastic film, composite film, coextrusion film, aluminum-plated film, aluminum foil, infusion bag, sheets, paper, paper board, solar battery panel, cellophane, ceramics and porcelain, and various containers such as bag, pouch, bottle, can, bowl, box, widely used in the industries of food, pharmaceuticals, personal care, household, electronics.

<table>
<tr><td>• Test range</td><td>• 0.001 - 100 g/m2·24h</td></tr>
<tr><td>• Test accuracy</td><td>• 0.001 g/m2·24h (film and sheet)</td></tr>
<tr><td>• Temperature range</td><td>• 15-45°C(below 15°C optional)</td></tr>
<tr><td>• Temperature accuracy</td><td>• ±0.1°C</td></tr>
<tr><td>• Humidity range</td><td>• 0%RH,30-90%RH, 100%RH</td></tr>
<tr><td>• Pore Size measurment</td><td>• 0.1 - 300 Micron</td></tr>
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<td>8)</td>
<td>Rheometer</td>
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Measurement modes - Rotational and oscillation
Measurement geometry - cone and plate, parallel plate, or concentric cylinder
Temperature range - -50 °C to +400 °C
Pressure -Up to 80 bar
Shear rate range - Up to 5000 s-1 or above
Angular Frequency Range - Up to 628 rad/s
Angular velocity range - Angular velocity range of 1 x 10-6 rad/s to 300 rad/s or better
Instrument must have a LCD touch panel integral to the instrument (i.e. at the test station) which provides a constant readout of torque, axial force, temperature, gap, etc.

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9)	Flexural 3 Point Tester	• Maximum Capacity - 5 kN (1125 lbf, 500 kgf) • Temperature Range -100 °C to 350 °C (-148 °F to 660 °F) • Adjustable Span Distance - 10 - 200 mm • Adjustable Span Distance 10 - 200 mm • Conforms to ISO, ASTM, DIN, and many other standards • All accessories
10)	Impact Strength Tester	• Drop height model – 1000 to 1500 mm • Type of test – Puncture, Charpy, Izod, Tensile impact test • Drop height min:50 mm • Drop weight, max.: 30 kg • Operating pressure: 8 bar
11)	Water Resistance Tester	• For testing the water resistance of fabric such as cloth, canvas, coating cloth tents, tarpaulin, rainproof garment fabric and fabric material, etc. • Sample holder area - 100 cm^2 • Measuring range: 0 pa – 200 kpa
12)	Absorption Tester (Non Woven)	• Force measure range - 0 to 1000g±0.01g • Test accuracy - 0.01%F·S • Test speed - 1 to 40mm/second • Liquid suction & dripping time : 0 to 999 seconds • Touch screen control with English menus • Built-in thermal printer • With high-precision sensor, good linearity • Should be fully automated with high accuracy • Made with high-quality stainless steel

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")

Sl. No.	Name of the TEXTILE AND TECHNICAL TEXTILE MACHINERY & INSTRUMENTS	(in Figures)	(in Words)
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 NUBER//E-MAIL	
GST Number	
PAC Card Number	

BANK ACCOUNT DETAILS:

BANK NAME	
BRANCH NAME WITH COMPLETE ADDRESS	
TELEPHONE NUMBER AND E-MAIL	Bank Ph. No : 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	