



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. Rapiet 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 /
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 workingday. 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.)

The Details of the cost of the TEXTILE AND TECHNICAL TEXTILE LABORATORY MODEL/PROTOTYPE MODEL MACHINERY & INSTRUMENTS DEDICATED TO ACADEMIC ACTIVITIES Laboratory Machinery & Instruments and EMD Payable are furnished below:-

SL.No.	Name of the TEXTILE AND TECHNICAL TEXTILE LABORATORY MODEL/PROTOTYPE MODEL MACHINERY & INSTRUMENTS DEDICATED TO ACADEMIC ACTIVITIES	Cost (INR)	EMD (INR)
1	RAPIER LOOM	20,00,000	40,000
2	MICROPROCESSOR BASED BLOW ROOM FULL LINE	27,00,000	54,000
3	LAB MODEL CARDING MACHINE	6,50,000	13,000
4	LAB MODEL DRAWING MACHINE	6,50,000	13,000
5	LAB MODEL NON-WOVEN NEEDLE PUNCHING MACHINE	7,50,000	15,000
6	THERMAL BONDING MACHINE	5,50,000	11,000
7	TWIN SCREW EXTRUDER WITH PALLETIZER	12,50,000	30,000
8	SCANNING ELECTRON MICROSCOPE	79,50,000	1,59,000
9	DIFFERENTIAL SCANNING CALORIMETER	53,00,000	1,06,000
10	THERMO GRAVIMETRIC ANALYZER	41,00,000	82,000

For example,

if the tenderer is willing to quote rate for the Machinery & Instruments at sl. no: 1 the EMD will be Rs. 40,000/-

If the tenderer is willing to quote rate for the Machinery & Instruments at sl. no: 1 and 2 the EMD will be Rs. 94,000/- (40,000 + 54,000/-)



If the tenderer is willing to quote rate for the Machinery & Instruments at sl. no: 1, 2 and 4 the EMD will be Rs. 29,400/- (40,000/- + 54,000 + 13,000/-) and so on

If any clarification related to EMD kindly contact +91 9629558562

EARNEST MONEY DEPOSIT (EMD)

- a) The EMD as mentioned in the NIT (Notice Inviting Tender) 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 on payment 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 of the bid.

SEARCHING FOR TENDER DOCUMENTS

Bidders can search for the tenders upon clicking <https://ksrct.ac.in/> scrolling on the institution web page and news column.



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 or 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.

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 EMD and 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 12 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.
- 6) In case any document is found false / forged at any stage, the Security deposit will be forfeited.
- 7) If the contract is terminated by the K. S. RANGASAMY COLLEGE OF TECHNOLOGY due to the supply of poor quality Machinery & Instruments or negligence/misbehaviour / bad act of the contractor / his personnel or non-



observing of the provisions stipulated in the contract, the Security deposit shall be forfeited.

- 8) 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.
- 9) 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.
- 10) The assessment of recoveries made by the Principal, K. S. RANGASAMY COLLEGE OF TECHNOLOGY shall be final and 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 Contractor cannot 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 services based 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 be made 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	Rapier Loom	<ul style="list-style-type: none">• Machine Speed 200 -260 RPM• Weft Insertion Speed 400 - 650 m/min• Shedding - Electronic Jacquard (around 3000 Hooks)• Weft Colour - 8 colours• Width - 60 inches
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">• 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.• It should consist of feed lattice, evener roller, mixing chamber spiked lattice grid bar, Nose beater, stripper roller etc.,• 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.
3	Lab Model Carding Machine	<ul style="list-style-type: none">• 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.• Cylinder and Doffer
4	Lab Model Drawing Machine	<ul style="list-style-type: none">• 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.
5	Lab model Non-Woven Needle Punching Machine	<ul style="list-style-type: none">• 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
6	Thermal Bonding Machine	<ul style="list-style-type: none">• Lab Model closed frame single station Thermal Bonding Machine having platen size 350mmx350mm, 250mm stroke, electrical heating system, temperature controller, motors, electrical, control system & other accessories.
7	Twin Screw Extruder with Palletizer	<ul style="list-style-type: none">• Capacity 20 kg per hour.• Volumetric feeder with twin screw• Vertical Degassing system Adaptor• Water Bath - Made with SS 304• Dry Strand Pelletizer
8	Scanning Electron Microscope	<ul style="list-style-type: none">• Low-Vacuum mode• Live Analysis• Electrical, PLC, computer, UPS, control systems and other accessories.
9	Differential Scanning Calorimeter	<ul style="list-style-type: none">• DSC Temp Range using Electrical Cooling attachment -70C to 500C• Efficient Seamless Joint Technology for excellent low temp control,• Heating Rates: 0.01C -- 100C/min• Temperature Accuracy: +/- 0.1C• Temperature Precision: +/- 0.02C• DSC Measurement Range: +/- 175mw and 400mw on both directions,• DSC Sensitivity: 0.2µW & DSC RMS Noise: +/- 0.1µW• Digital DSC resolution: 0.00002mw(0.02 µW),• Baseline Repeatability: < +/- 0.1 µW from -50C to 300C
10	Thermo gravimetric Analyzer	<ul style="list-style-type: none">• Measuring ranges: +/- 1000 mg or +/- 200 mg• Electronic resolutions: 0.2 µg / 0.02 µg)• Working Operation Up to 1150°C• Desktop Computer I5-Processor-12100 /16GB/1TB SSD Win 10 Pro /KYB/Mouse/ 21.5" Monitor/3YR Premier with MS Office• Cylinder with Oxygen Gas -7m³• Two stage Cylinder Regulator SS body Two stage Cylinder Regulator SS• Gas Purification and Control Panel - Oxygen• Cylinder with Nitrogen Gas 47 Liter Puri• Gas Purification and Control Panel - Nit• Two stage Cylinder Regulator SS body• High Pressure Gas Manifold System



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 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	