

DKTE COE IN NONWOVENS

DKTES's Textile and Engineering Institute,
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TENDER DOCUMENT



TENDER NOTICE NO.:DKTE/COE/IB/12-2016/17,

DATED: 02nd JANUARY 2017

COPY No.:

Seal & Signature of
Authorized Signatory

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Note: Interpretation of any term / word / clause / lies with DKTE, Ichalkaranji

INTRODUCTION

1. As per the Technical Textile Intelligent report, the fastest growing segments are Meditech, Packtech, Geotech, Clothtech and Indutech. The investment in Technical Textile and Nonwoven put together is over INR 1300 Crores since inception of TUFs. It has been brought out in survey report that the investment in the sector is not forthcoming due to lack of awareness and poor marketing strategies for technical textile. For other sectors like medical, packing etc. it is necessary to create awareness, provide know how and are the major activities of COEs. Owing to its vast potential, nonwoven manufacturers and user industries required that, the COE should host the technical and commercial services.

It is fairly well-accepted in nonwoven and technical textile industry that the consumption pattern of technical textile is directly related to GDP per capita income. As the GDP of India is growing at the rate of about 8%, nonwoven and technical textile industry are set to grow at least to this level. The target for Indian textile industry is \$150 billion by 2015, of which 10% should be in technical textile sectors. Government of India has realized the potential of technical textile industry and created supportive schemes such as:

- i. Technology Upgradation Funds, which now encompasses technical textile sector.
- ii. Creation of eight Centre of Excellences, which will focus on Agro, Geo, Medical, Protective, Nonwoven, Indutech, Sports and composite. These are being upgraded to cover prototyping, incubations and testing etc.
- iii. Creation of awareness in nonwoven and technical textile by conducting workshops and seminars around the country.
- iv. Establishment of five years National Technological Mission on Technical Textile (TMTT).

2. DKTE COE in Nonwoven is one of the centers of Excellence set up as per the mandate of Ministry of Textiles, Government of India during the year 2011 -12. The objectives of COE are to accomplish following:

- Develop testing laboratories to test input and intermediate materials and final products pertaining to Nonwovens.
- Develop Internationally Accredited Testing Facilities to test and certify different nonwoven products for facilitation of commerce.
- Develop IT enabled Resource Centre for data base on nonwoven sector.
- Set up state of art R & D facilities for product development to enable the Indian industry to accomplish international quality norms.
- Set up the training facilities to meet the requirement of personnel in the Indian Technical Textile industry.
- Develop trainers for organizing various training programs for industry.
- To serve as an incubation centre for promising entrepreneurs to catalyze the setting up of enterprises in nonwoven and its user sectors.

- Work closely with the Indian nonwovens and technical textile industry to catalyze the product development programs of individual unit to meet domestic requirements and also international trade.

Keeping the above objectives, in the second phase of implementation various prototyping machines are now being procured through this tender. It includes Needle Punching Nonwoven machine, SMS Nonwoven machine, Coating and Lamination machine, Chemical and Thermal bonding lines for development of various potential products with respect to Indian market.

Machinery is required for very long term good service, performance with consistency in quality & productivity. It is also necessary that these machines in the past have proved very long term reputation in quality and productivity and also the machine maintenance performance.

3. The tender document contains the following:

- i. Tender Notice
- ii. Terms and conditions – general and special
- iii. Technical specifications of items
- iv. List of equipment / instruments / accessories being procured
- v. EMD payable in respect of each of the items
- vi. Format for filling up the cost of items
- vii. Format for bank guarantee
- viii. Delivery schedule for each of the items
- ix. Guidelines for the bidders

DKTE COE IN NONWOVENS

DKTES's Textile and Engineering Institute,
'Rajwada', P. Box. No. 130, Ichalkaranji, - 416 115

TENDER NOTICE No. DKTE / COE / IB / 12 – 2016-17, DATED

2nd January 2017

Tenders in two separate sealed covers viz; Technical (Cover- A) and Commercial (Cover-B) are invited by the DKTE COE from bonafide manufacturers / authorized agents for the supply of **Machineries / Equipments for DKTE COE in Nonwovens**. Details of their specifications, payment terms and other details are given in the tender document. **Interpretation of terms and conditions and other related issues in the tender would lie with DKTE COE only.** Tenders can be purchased from **The Director, DKTE COE in Nonwovens**, Textile and Engineering Institute, Rajwada, Ichalkaranji upon payment of a non-refundable fee of **Rs. 2000/-** in cash or Demand Draft drawn in favour of **The Director, DKTE COE in Nonwovens**, payable at **Ichalkaranji**. The tender document can also be downloaded from the website of DKTE at www.dktes.com, www.dktecoenonwovens.in. If the document is downloaded from the website, the document fee of Rs.2000/- has to be enclosed as a D.D in favor of **The Director, DKTE COE in Nonwovens**, payable at Ichalkaranji along with the Technical bid. The bidders who purchase the tender documents or have downloaded the tender document are only eligible for submission of the tenders. An Earnest Money Deposit (EMD) has to be submitted as per the details given in the tender document. **Tenders without EMD will not be considered at all. Sale of tender documents: From 2nd January 2017 (09:30 am to 05:30pm). Pre-bid clarification meeting will be held on 6th January 2017 at 02:30 pm to clarify the queries of bidders, if any. Last date to submit the duly filled up sealed tender at DKTE, Ichalkaranji is 12th January 2017, up to 05:30pm. on 13th January 2017 the technical bids will be opened at 11:00 am in the Committee Room of DKTES's TEI, Ichalkaranji.** The bidders or their authorized representatives should present for opening the tenders. After detailed analysis of technical bids, the bidders who are found to be technically responsive will be informed about the time, date and venue of opening the commercial bids.

Address of communication: Director, DKTE Centre of Excellence in Nonwovens, 'Rajwada', P. Box. No. 130, Ichalkaranji, - 416 115 Tal: Hatkanangale, Dist. Kolhapur (M.S.) INDIA

Tel.: +91 230 2421300, 2437316, Fax: +91 230 2432329

Email: dktecoe@gmail.com

3 (A) TERMS AND CONDITIONS - GENERAL

1. Tender documents shall be issued by the Office of the DKTE COE at Ichalkaranji to manufacturers / authorized agents, on payment of Rs.2000/- (non-refundable) by cash or DD in favour of **The Director, DKTE COE in Nonwovens**, payable at **Ichalkaranji**, towards cost of tender documents. The Director, DKTE COE will be the tender issuing authority.
2. Modifications, if any, made in the above documents will be done by addenda/ corrigenda, copies of which will be sent in duplicate to each bidder before the due date of the tender. One copy should be signed, sealed and submitted along with the technical bids. Tender to be submitted, is as detailed hereafter. The bidder shall not make any additions/ deletions to or amend the text of the documents except in so far as may be necessary to comply with the addenda/ corrigenda issued. **The bidders shall use only tender documents as issued for submitting the bid and shall comply with various terms and conditions.**
3. All pages of tender documents shall be signed by the person authorized to file the tender.
4. The full name of the person authorized to file the tender, designation, current and main office address, Phone No., Fax No. & e-mail address shall be indicated in the tender.
5. Tenders sent through e-mail, Fax and Telex will not be entertained.
6. The tenders should be filled in and submitted in English. All accompanying literature and correspondence shall also be in English.
7. No claim for costs, charges, expenses incurred by the bidder in connection with preparation of tender submission and for subsequent clarifications of their tender shall be accepted.
8. DKTE COE will not be responsible for any typographical errors/ ambiguity/ additions/ omissions committed by the bidder while filling up of the tender.
9. Submission of a bid by a tenderer implies that he has read all the terms & conditions and has made himself aware of the scope and specifications of the items to be supplied, availability of the materials, local conditions and other factors bearing on the execution of the supply.
10. The bidder shall be deemed to have full knowledge of documents and no extra charges consequent on any misunderstanding or otherwise shall be allowed.
11. Any question regarding the tender document and discrepancies shall be directed to the Tender Issuing Authority in written minimum 8 days prior to the due date of submission of tender. The Tender Issuing Authority will issue all clarifications, interpretations, meanings and specific directions, if any, in duplicate in writing to all the bidders. One copy of these shall be duly signed and seal affixed along with the technical bids.

12. The bidder shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender and about the rates quoted by him and cover all his obligations under the tender.

13. Bids submitted by the manufacturers and authorized agents only shall be considered.

14. **EARNEST MONEY DEPOSIT (EMD)**

14.1 Tender must be accompanied by Earnest Money Deposit (EMD) either in the form of D.D or pay order in favor of **The Director, DKTE COE in Nonwovens** and shall be interest free. The amount of EMD for each item is given in Annexure 2. The D.D / pay order can be for the combined amount of EMD payable for individual items, for which the bidder has quoted.

14.2 EMD shall be paid in Indian currency only. In case of receipt of EMD in Indian currency from abroad, same shall be refunded in Indian currency only. DKTE CoE will not be responsible for refunding the EMD in foreign currency.

14.3 The EMD deposited by the successful bidder shall be held back towards the security deposit as stipulated in terms & conditions. No interest would be paid to the EMD deposited/ held back.

14.4 Tenders not accompanied by Earnest Money Deposit (EMD) shall be rejected.

14.5 The EMD of the unsuccessful bidder will be returned within 3 months from the date of opening the technical bids.

15. **SECURITY DEPOSIT**

The successful bidder shall have to deposit an amount of 5% of the cost of machinery / equipment (including the retained EMD amount) towards interest free security deposit and retention money, in the form of Demand Draft (DD) or Bank Guarantee (BG) as per the format given in Annexure- 4. This BG or DD should be submitted along with the acceptance of Purchase Order. The security deposit (DD or BG) should cover the entire warranty period of the items to be supplied.

16. **AUTHORITY OF SIGNING**

16.1 If the tender is submitted by an individual, it shall be signed by him.

16.2 If the tender is submitted by a proprietary firm, it shall be signed by the proprietor.

16.3 If the tender is signed by the partnership firm, it shall be signed by all the partners of the firm or by the partner holding the power of attorney for the firm for signing the tender, in which case, a certified copy of the power of attorney shall accompany the technical bid.

16.4 If the tender is submitted by a limited company or a corporation, it shall be signed by a duly authorized person or the person holding the power of attorney for signing the tender, in which case a certified copy of the power of attorney shall accompany the technical bid.

17. PRICE & CURRENCY BID

- 17.1 The tender shall be filled in English with a neat hand/type and all the figures and words shall be legible.
- 17.2 The rates shall be written both in words and figures. The bidder shall also show the amount of each item, the total of each section and the grand total of the whole tender.
- 17.3 Correction, if any, shall be made by crossing out, initialing with date and rewriting.
- 17.4 In case of conflict between the figures and words in the rates, the latter shall prevail.
- 17.5 The tenders shall be verified by the bidder for accuracy in the arithmetical calculations, prior to submission.
- 17.6 The price may be offered in either Indian Rupee or any foreign currency viz; US Dollar, Euro, etc for all imported items.

18. PACKING AND SUBMISSION

- 18.1 The tender shall be submitted on or before the scheduled date & time and at the address mentioned in the Tender Notice. While (i) technical bids (Cover- A) of more than one item can be combined and kept in one cover, (ii) commercial bids (Cover- B) shall be submitted for each machine separately in sealed covers. Both the sealed envelopes (Technical & Commercial bids) should further be enclosed in another envelope and addressed to **The Director, DKTE CoE in Nonwovens, Ichalkaranji**. The bidder should ensure that the cover super scribe clearly on the top of each packet as technical bid, commercial bid and on the main envelope the identity of the company/ firm and the tender reference number.
- 18.2 The sealed covers should be superscribed (i) cover- "A" as "Technical Bids" and (ii) cover- "B" as "Commercial Bids"- **along with other relevant details such as name of machine and the bidder.**
- 18.3 **Cover- A (Technical Bids) shall contain**
- a) Earnest Money Deposit (EMD) in the form of DD for an amount as mentioned in the document.
 - b) D.D of Rs.2000/- as document fees in case the document has been downloaded from the website.
 - c) Original Tender document duly signed by the authorized person on all pages with feel.
 - d) Compliance to technical specifications of the equipment/ item for which bids are submitted – Authorized person to indicate the compliance of technical specifications in the respective pages of the tender document and sign the same.

- e) Compliance to the terms and conditions of the tender document – Authorized person to specify, “All the above terms and conditions will be complied with” and sign in respective pages of the tender documents, where “terms and conditions” are given.
- f) Adherence to the stipulated delivery schedule of the equipment/ item – Authorized person to specify “delivery schedule given above will be complied with and sign in respective pages of the tender documents, where “delivery schedule of each of the items” is given.
- g) **Proof that the bidder** is (i) either manufacturer or (ii) an authorized agent for the equipment/ item for which the bid is submitted.
- h) List of organizations in India and abroad, along with Contact Person, address, Tel. No., Fax No. etc., to which similar make/model of the equipment were supplied.
- i) Compliance that the bidder has manufactured or supplied the equipment during the past 2 years and performance report from at least 2 such users for the past 2 years.
- j) Covering letter, in the letter head of the bidder stating:
 - a. That the minimum **warranty period of one year**.
 - b. That the bid **conforms to the terms and conditions** of the tender.
 - c. Confirmation about the **supply of Certified Reference Materials/ Samples** for checking the performance of the testing instruments, wherever applicable.
 - d. Confirmation that the quoted rates are valid till 31st March 2017.
 - e. The details regarding the service centers, stocking of spares, etc.
- k) Addenda/ corrigenda/ clarification issued by DKTE CoE before due date of tender, duly signed by authorized person.
- l) Descriptive leaflet/ brochure giving the technical details of the equipment/ instruments.
- m) A letter indicating assumptions, criterion, technical alternative, etc., if any. However, the alternatives suggested by the bidder would not be taken as the basis for technical/ commercial evaluation of the bids.
- n) Details of pre-installation requirements should be given.
- o) Power of Attorney authorizing the person who has filed the tender, if applicable.
- p) **A copy of the certificate for the calibration of the similar makes and model machine for which bid is submitted from an accredited calibration laboratory or National Physical Laboratory, wherever applicable**

18.4 Cover-B (Commercial Bids) shall contain -

- a) Total cost of the main machine (imported/ indigenous), required for the functioning of the equipment, including the test control system, utility, packing & forwarding etc., duly filled and signed **in the format prescribed in the tender document at Annexure- III**. No money other than the total indicated above will be payable on any account.
- b) Minimum required essential spare parts for next 2 years after warranty period are to be specified. The cost of the spares is to be quoted separately along with the commercial bids, as optional as per the details given in **Annexure- III**.
- c) Annual Preventive Maintenance charges for the next 3 years, after the expiry of the warranty period, in the format prescribed in the tender document at **Annexure- III**.
- d) All the pre-installation requirements such as necessary length of cables, plugs, , basic tools etc. should be provided by the bidder along with the machine. The bidder shall quote for these items separately. The Centre will provide adequate space, furniture and electricity (up to the main electrical panel only) for the installation and commissioning of the machine.

19. VALIDITY OF THE TENDER

Rates quoted by the bidder and the Earnest Money Deposit submitted shall be valid till 31st March 2017 or to an extended date as agreed on mutually.

The Bidder shall not withdraw or revise or alter any conditions, rate(s) quoted within this stated period, unless he is called upon to do so on mutual agreement/ negotiations. The Director, DKTE CoE in Nonwovens reserves the right to forfeit the Earnest Money Deposit if the bidder revokes or withdraws the tender within this stated period.

20. OPENING THE TENDER

The tender shall be opened by a Purchase Committee constituted by the competent authority, DKTE CoE in Nonwovens, Ichalkaranji, at the time, date and venue as given in the "Tender Notice".

21. AGREEMENT

The successful bidder shall sign and return copy of Purchase Order placed with him, as a token of acceptance of the terms and conditions of the Purchase Order. The bidder shall also enclose the applicable security deposit in the form of BG or DD as specified at **Clause No. 12**

22. CRITERION FOR REJECTION

22.1 The DKTE CoE reserves the right to accept or reject any tender or reject all tenders without giving any reasons whatsoever for their decision.

- 22.2 Tenders are liable to be rejected in which any of the prescribed particulars/ information is either missing or incomplete in any respect and/or if the prescribed conditions are not fulfilled.
- 22.3 Tenders which are found to be technically non-responsive shall be rejected and their commercial bids shall not be opened.
- 22.4 Canvassing in connection with tender is strictly prohibited and tender submitted by bidder who resorts to canvassing will be liable to rejection.
- 22.5 Tenders containing specific conditions of the bidder other than the terms and conditions given in the tender document and not acceptable to the DKTE are liable to be rejected.
- 22.6 If the validity of the tender is not up to 31st March 2017, the tender will be rejected.
- 22.7 If the tender document duly signed by the authorized person on all pages is not submitted, the tender will be rejected.**
23. The DKTE CoE caters mainly to the manufacturers/ exporters. Hence, Purchase Committee may at its discretion give preferences to more popular brands of machines, which give results that are widely accepted internationally by buyers abroad and the decision of the Committee will be final.
24. Before submission of the tender, the prospective bidders are expected to examine technical specifications of the machine required, terms and conditions, etc., given in this tender document. Failure to furnish all information required in the tender document may result in the rejection of the bid.
25. The DKTE CoE reserves all the right to cancel items, from the list of requirement of machine without assigning any reason thereof.

3 (B) TERMS AND CONDITIONS – SPECIAL

1. Cost details are to be filled up in the prescribed format as given at **Annexure –III** for the machine including that of the accessories like voltage stabilizers, electrical cable from main control panel to individual parts of the machine, compressor and basic tools.
2. All accessories start up kit required for installation and commissioning the main equipments is to be specified and quoted.

3. The terms of payment

3.1 Indigenous machinery/equipment shall be:

Payment against Local LC with following terms and condition

- a) 50% of the total price of the machinery/equipment will be paid as advance on receipt of (i) acceptance of purchase order, (ii) applicable security deposit (5 %) in the form of DD / Bank Guarantee (BG) of Nationalized Bank (iii) Bank Guarantee (BG) of nationalized bank for an equal amount (50 %) valid for the duration upto delivery of the equipment. (**Format of BG is given at Annexure– IV**)
- b) 40% of total price of the machinery/equipment will be paid after submission of Inspection report and dispatch at manufacturers site
- c) 10% remaining will be paid after successful erection, commissioning & trial run of the machinery/equipment, satisfactory performance and imparting training to the technical personnel of the laboratory concerned.

3.2 Imported machinery/equipment shall be:

Payment against LC with standard terms and condition

4. The foreign bidder should take responsibility for delivering the machinery to Nava Shiva Mumbai port and indigenous bidder should take responsibility for delivering the machinery up to site
5. The foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.
6. The local supplier shall be entirely responsible for all taxes duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser. Viz. DKTE CoE.
7. **Training:**
 1. The successful bidder of the machine should provide adequate training for technical, electrical, electronic, mechanical/production personnel operational, maintenance and troubleshooting etc., and making them confident of operating the machine independently at DKTE CoE site
 2. Two technical persons should be trained at bidders manufacturing site. Boarding, lodging, to & fro airfare and training expenses of the trainee has to be borne by the successful bidder. In addition to above trainings, continuous ongoing support in application area from the supplier and its principal abroad are to be provided.

8. The bidder shall adhere to the delivery period of the equipment/item as committed by him as indicated in **Annexure VI** of the tender document, whichever is earlier. Penalty for non-execution of the order within the delivery period shall be 1% of the cost of the equipment/item for every month of delay.
9. The installation and commissioning of the equipment/item should be completed within 90 days from the date of delivery, failing which penalty shall be levied @ 1% of the cost of the equipment/ item for every week of delay.
10. The bidder shall give warranty for at least one year in respect of items quoted.
11. During the warranty period, regular servicing/ maintenance should be undertaken free of charge, including replacement of defective parts/travel cost, etc. subsequently, servicing or maintenance should be undertaken by the authorized agency of the manufacturer/ supplier as per the annual maintenance contract conditions.
12. Operation/ maintenance manuals, calibration procedures and other instructions manuals should be provided along with each of the equipment.
13. Terms for service contract (comprehensive or non- comprehensive) after the expiry of warranty period for at least 1 years are to be included.
14. (a) Operating systems, computer compatible to the main machine, are to be supplied with latest configuration
(b) In case of any items asked as accessories for the use of specific machine, the bidders may either quote along with their machine or may get the quotation from the technically competent vendor which would interface with the main machine.
16. If the machine is not manufactured by the bidder authorization of the manufacturer to the bidder for marketing and servicing the equipments in India should be enclosed along with the technical bid of the tender.
17. It is the sole responsibility of the supplier to process insurance claim in case of machine is received in fully or partly damaged condition or missing in transit. No extra payment will be borne by DKTE CoE towards clearing charges, freight, cost towards deputation of service person or any other charges whatsoever for rectifying/replacement of the damaged parts of machine.
18. In case of short supply or wrong supply of machine, its parts or accessories or supply of items in damaged conditions, it is the responsibility of the bidder to arrange for the supply of the required items in working condition as per the purchase order, within a reasonable time. Any additional expenditure whatsoever for the above will be borne by the bidder only.
20. The specifications given in this document are the minimum requirement. The bidders are free to offer machine with better features also. However, the evaluation shall be based on the features mentioned in the tender document. If different models are quoted, the cost details may be given in separate sheet.
21. Orders for the supply of items, once placed with successful bidder is non transferable and no sub-contraction is permitted. DKTE CoE reserves the right to cancel the order in such event.
22. Financial statement of the manufacturer incorporating the turnover of the business for the last 3 years should be submitted along with the technical bids. In case of

authorized agents who are submitting the bids, income tax returns for the last 3 years have to be submitted along with the technical bids.

23. Any non-fulfillment of the stipulation given above will make the bid invalid.
24. DKTE at its liberty has the right to exercise to issue purchase order of similar instrument to more than 1 bidder if the no. of such items is more than one to have the different makes and models of instruments for different laboratory, if these are conforming to the tender specification.
25. The full payment will be released to the bidders only after completion of satisfactory performance check of the instrument/equipment.
26. The bids shall first be evaluated for their “technical responsiveness” which shall inter-alia include,
 - i. Compliance to EMD requirement.
 - ii. Proof that the bidder is (i) either manufacturer or (ii) an authorized agent for the machine for which the bid is submitted.
 - iii. Compliance to technical specifications of the machine for which the bid is submitted.
 - iv. Adherence to the warranty period.
 - v. Necessary document proof that the bidder has manufactured or supplied the equipment during the past two years along with the list of such customers and performance report of the equipment from at least 2 such customers/users for the past 2 years.
 - vi. Details regarding the service centers, stocking of spares etc.
 - vii. Confirmation about the supply of Certified Reference Materials/Samples for checking the performance of the testing instruments, where applicable.
 - viii. Compliance to all other relevant and critical terms and conditions of the tender.
 - ix. DD for Rs.2000/- if the document is downloaded from website.
 - x. Validity of the tender upto 31st March 2017.
 - xi. For some of the automatic equipment, the tender document will be evaluated by grading system based on the following criteria:
 - o The range sensitivity/ detection limit, technique used calibration traceability, over all technical compliance, satisfactory user certificate etc., will be reviewed for its technical responsiveness.
 - xii. **If any of the above mentioned parameters are not fulfilled, the bid will be considered as technically non-responsive.**
29. The commercial bids of those bidders who are technically responsive only shall be evaluated based on the following criterion:
 - i. Total price of the equipment inclusive of accessories/ancillary equipment, taxes, duties, etc.
 - ii. AMC charges for three years after the expiry of the warranty period.

TECHNICAL SPECIFICATIONS

1. FIBRE RETRIEVING LINE

- Machine output /hrs : Min 60kg/hrs
- Main cylinder : Length 48"x Dia 36"
- Feed roller : Length 48"x Dia 6", with spring loading system
- Drive to feed roller : Gear box for regulation of speed of the feed roller
- Feeding system : with the help of conveyor
- Fiber Blower with motor
 - Control electric Panel
 - Major Electricals Makes: L&T/ Siemens or equivalent
 - Motor: ABB/BHARAT BIJLI or equivalent

2. FLEX TESTER

Description of the Machine To test the degradation to water resistance of coated fabrics due to crumpling and flexing in use

Technical Specifications

- The equipment should be able to measure a tube of fabric by twisting it through 87° stretching alternatively & compressing.
- Should be fitted with electronic predetermined counter with automatic stop at predetermined number of cycles.

Conformance to test methods of standards, such as –BS 3424, ISO 8096

Accessories: Pair of clamps, All standards accessories

3. SCRATCH TESTER

Description of the Machine To measure the relative resistance or susceptibility of a material surface to scratching, engraving etc.

Technical Specifications

- Instrument should have pneumatically driven moveable platform and control knob operation
- Instrument should have electronically controlled timer display for rate of speed electronic timer accurate to 1/100 second air regulator control

Conformance to test methods of standards, GMN-3943

Accessories: Precision weight kit (to obtain 0.6N) ,weight set (includes 8N,13 N, 18N) weight 25N, conical scratch tips & diamond tool holder, five independent spline-shaft fingers with support rest, 9-piece weight set (2N, 3N, 4.5N, 5 N,6 N,7 N, 10 N, 15 N , 20N), Scratch tip 1 mm dia. hemisphere (5 each), Mar tip 7 mm dia., hemisphere (5 each), Adjustable specimen clamp (set of 2), Quick disconnect socket for air supply, Hex wrench

4. WELDING MACHINE

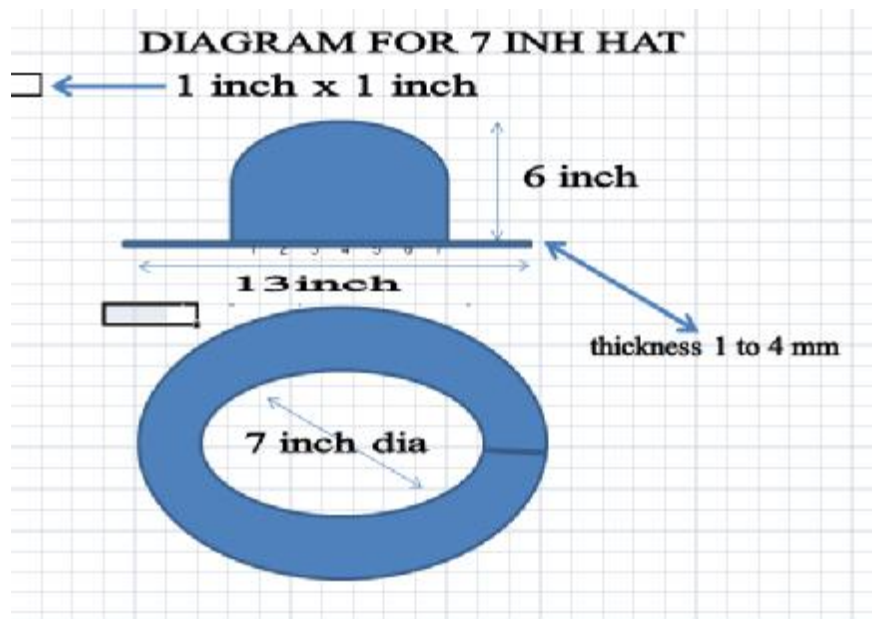
- Welding technology- hot wedge.
- Material : PVC , PP, PET PU
- heat-sealing temperature should be controllable
- Width of hot wedges (mm): 50
- Sealing temperature: hot-wedge version) max. 500°C
- Single phase

5. MOULDING MACHINE

Moulding machine as per diagram given.

- Mould of single cavity
- Part thickness 4 mm
- Forming + trimming
- Temperature upto 150°C – 180°C by suitable heating system
- For pressure pneumatic supply will be provided by us.

Mold Design



Annexure II

EMD of the machine

Machineries / Equipments

| Sr. No. | Instruments | EMD Amount (INR) |
|----------------|-----------------------|-------------------------|
| 1 | Fibre Retrieving Line | 14,000=00 |
| 2 | Flex Tester | 20,000=00 |
| 3 | Scratch Tester | 5,000=00 |
| 4 | Welding Machine | 20,000=00 |
| 5 | Moulding Machine | 24,000=00 |

Annexure III

FORMAT FOR COST DETAILS

(Cost particulars should be given in this format instrument wise/ accessories wise separately)

Note: All the cost particulars should be furnished either in Indian Rupees or foreign currency. If more than one model of the instrument is quoted, use separate sheets.

Part 1: Cost details of imported Machine

| Name of the Instrument / Machine: | | |
|------------------------------------|--|---|
| Sr. No. | Cost details for foreign components | Cost in Rs. / foreign Currency (Please Specify) |
| i) | Total cost in CIF Nava Sheva including Erection & Commissioning, agency commission, packing, forwarding, insurance, technological training for 2 person for 2 week on-site training for mechanical/ electrical maintenance & technology, internal electrical cable (main control panel to individual m/c), basic tools minimum required consumable spare parts of 2% of machine value. DKTE will provide Electrical connection only upto main control panel | |
| ii) | Custom duty, clearing, transportation, insurance, unloading | DKTE |
| ii) | AMC details:- (a) AMC rate/per year (comprehensive/non-comprehensive) for next 3 years, after the expiry of warranty period including the accessories (Two preventive and one breakdown visits) | 1 st Year: 2 nd Year: 3 rd Year: |
| | (b) Travelling cost conditions | |
| | (c) Any other conditions | |
| Delivery Schedule of the equipment | | months |

Part 2: Cost details of indigenous equipments/ instruments

| Name of the Instrument: | | |
|-------------------------|---|---|
| Sr.No. | Cost details of indigenous items | Cost in Rs. |
| i) | Total Cost at site of DKTE CoE (including Erection & Commissioning, agency commission, packing, forwarding, insurance, technological training for 2 person for 2 week on-site training for mechanical/ electrical maintenance & technology, internal electrical cable (main control panel to individual m/c), basic tools minimum required consumable spare parts of 2% of machine value. DKTE will provide Electrical connection only up to main control panel) | |
| ii) | AMC details (including the accessories):- a) AMC rate/per year (comprehensive/non-comprehensive) for next 3 years, after the expiry of warranty period | 1 st Year: 2 nd Year: 3 rd Year: |
| | b) 2 preventive visits / 1 breakdown visits per annum | |
| | (c) Travelling cost/ conditions | |

| | | |
|--|--------------------------|--|
| | (d) Any other conditions | |
| Delivery schedule of the equipment: | | |

Cost details of optional items/ spare parts required for the next 2 years

Part 1 (Imported Items)

| Sr. No. | Cost Details for foreign components | Cost in \$ / £ / € / any other specify |
|----------------|---|---|
| i) | Total Cost at the specified machineries/equipments including agency commission, packing and forwarding, insurance, etc. | |

Part 2: (Indigenous items)

| Sr. No. | Cost Details of indigenous items | Cost in Rs. |
|----------------|---|--------------------|
| i) | Total Cost (inclusive installation charges) | |
| ii) | Any others (to be specified) | |
| iii) | Total Cost | |

| Sr. No. | Details of Requirement for Opening L / C (for imported items only) |
|----------------|---|
| 1. | Foreign Supplier's Name and Complete address on whom L/C will be opened. |
| 2. | Foreign Bankers Name & Address |
| 3. | Foreign Supplier's Bank Account No. |
| 4. | Port of Shipment |
| 5. | Country of Origin |
| 6. | Period to keep open the L/C- (Validity of L/C) |
| 7. | Period of negotiation will be 21 days |
| 8. | Delivery Schedule from the date of issuance of Purchase Order |

Note:

- 1. Additional copies may be taken for each instruments**
- 2. DKTE will not provide any excise or sales tax exemption certificates. However, duty exemption certificate will be given plus applicable duty for equipment/machines for R&D purpose. Please verify the same with specific equipment as some of the equipments are exempted from payment of duties completely.**
- 3. Octroi, if paid, will be reimbursed separately at actual.**

ANNEXURE- IV

FORMAT OF BANK GURANTEE FOR GUIDANCE PURPOSES ONLY (ON NON-JUDICIAL STAMP PAPER OF Rs.100/-) (Applicable for successful bidders, to be submitted in lieu of security deposit and also for releasing the advance-for guidance purpose)

Guarantee No. :
Bank Guarantee Dt. :
Valid up to :
Claim period up to :
Claim amount Rs. :

To,
M/s. DKTE CENTER OF EXCELLENCE IN NONWOVENS,
"Rajwada" Ichalkaranji – 416 115,
Dist.Kolhapur (M.S),

ADVANCE BANK GUARANTEE

THIS GUARANTEE is being executed on this the ____ day of _____, by Bank _____, a body corporate constituted under Banking Companies (Acquisition and Transfer of undertakings) Act 1970 with its Head Office at _____ and one of the branches at _____. (hereinafter referred to as the "Guarantor") in favour of M/s. DKTE CENTER OF EXCELLENCE IN NONWOVENS, a society registered under Society Registration Act 1950 with Public Charity Commissioner, Kolhapur and having its registered office at "Rajwada" Ichalkaranji – 416 115, Dist.Kolhapur (M.S), (hereinafter called the buyer which expression shall unless it be repugnant to the context of meaning thereof mean and include its successors and assigns) of the other part.

Whereas buyer has placed an order for supply of "_____" as per specification given in Purchase order no. _____ Dt. _____ (hereinafter called contract) with M/s. _____, having its registered office at _____ (hereinafter referred to as the "Seller").

AND WHEREAS M/s. _____ having its office at _____ (Seller) on request of buyer has agreed to provide an unconditional and irrevocable Bank Guarantee to the buyer for an amount of Rs. _____ (Rupees _____) towards timely performance of the delivery terms of the contract.

NOW THIS DEED OF GUARANTEE witnessed as follows:

1. The amount of this guarantee shall be Rs. _____(Rupees _____)
2. We do hereby guarantee and undertake to pay unconditionally to buyer immediately on demand in writing, any or all, moneys claimed by the buyer under this guarantee without any demur, recourse or without any reference to Seller.
3. This guarantee shall be operative, from the date of issued and claim payable unconditionally without reference to applicant, at Bank _____.
4. This guarantee shall remain in force up to _____.
5. Unless a demand or claims under this guarantee is made on us in writing on or before _____, all rights of buyer under this guarantee shall be forfeited and we shall be relieved and discharged from liabilities hereunder.
6. This guarantee shall not be determined or affected by the liquidation or winding up, dissolution or change in the constitution or insolvency of the Seller or of the Guarantor, but shall in all respects and for all purposes be binding and operative until payment of all moneys payable to buyer.
7. This Guarantee will expire either on completion of Dispatch of machine or on the Date of expire of Guarantee i.e. _____ whichever is earlier.

We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____.

The beneficiary of this Advance Bank Guarantee is hereby advised to seek confirmation of this Bank Guarantee from the Controlling Authority's office of this branch whose address is given in the covering letter to this guarantee.

Bank also hereby declares that it has power to issue this guarantee and we the undersigned have the full power to give this guarantee.

Notwithstanding any contained herein:

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to Rs. _____(Rupees _____.) and this guarantee is valid up to _____. We shall be released and discharged from all liabilities hereunder unless a written claim for payment under this guarantee is lodged on us within 30 day (Thirty days) from its date of expiry of the guarantee i.e. on or before _____irrespective of whether or not the original guarantees is returned to us.

Manager (CR)

Chief Manager

Date: _____

ANNEXURE V**DELIVERY SCHEDULE OF MACHINERIES/EQUIPMENTS**

Delivery of the machineries/equipments

| Sr. No. | Equipment | Delivery Schedule from the Date of acceptance of Purchase Order - maximum |
|---------|-----------------------|---|
| 1 | Fibre Retrieving Line | Two Months |
| 2 | Flex Tester | Two Months |
| 3 | Scratch Tester | Three Months |
| 4 | Welding Machine | Three Months |
| 5 | Moulding Machine | Three Months |
| 6 | Inspection Machine | Two Months |

**FORMAT TO BE FILLED UP AND SUBMITTED
IN THE LETTER HEAD OF THE BIDDER**

To,
The Director,
DKTE COE in Nonwovens,
Rajwada, Post Box No.130
Ichalkaranji- 416115

Sub: Supply of _____ machine to DKTE CoE as per the specifications and quantities mentioned in the tender.

Dear Sir,

- a) Having examined the conditions of Tender and Specifications of the machine, we, the undersigned, offer to supply _____ machine as mentioned in the Annexure I as per the quantity and specifications given in the tender along with standard spares/accessories as specified. The technical compliance of machine to be supplied is given as per the Annexure VII
- b) Earnest Money Deposit (EMD) as given in Annexure II in the form of Bank Demand Draft / Pay Order in favor of 'DKTE COE in Nonwovens' payable at Ichalkaranji as detailed in the Tender Conditions is enclosed.
- c) **The original tender document duly signed on all pages is enclosed.**
- d) We agree to abide by this for the period from the opening date fixed for receiving the same and it shall remain binding upon us for a mutually extended period agreed in writing by us.
- e) If our tender is accepted, we undertake to supply the machine and install the same at site mentioned in the tender within the specified mentioned in Annexure V from receipt of the order from the DKTE in writing.
- f) We agree to supply consumable spare parts and replacement of the broken/damaged/non-compatible parts during the guarantee/warranty period, free of charge, as per the terms and conditions.
- g) We agree to train the personnel free of charge, as per the terms and conditions.
- h) If our tender is accepted we will, obtain and arrange:
 1. Security Deposit/ Bank Guarantee as defined
 2. Insurances
 3. Any other statutory obligation, if any, prior to commencement of supply of machinery.
- i) We agree for the validity of our tender up to 31 March 2017.

- j) We agree to your right to forfeit our EMD / Security deposit without prejudice to any other right or remedy for the following failures on our part.
 - 1) Changes in terms and conditions of tender are made within the validity period.
 - 2) Supply and installation of machine is not commenced within specified period as given in the tender Document.
 - 3) Obligations under (e) above are not fulfilled.
- k) The bidders shall use only tender documents as issued for submitting his bid and shall comply with various terms and conditions.
- l) Unless and until a formal Agreement/order is prepared and issued, this tender together with your written acceptance thereof, shall constitute a binding contract between us and DKTE CoE.
- m) We understand that you are not bound to accept the lowest or any tender you may receive.
- n) We agree to make a presentation of the products to be supplied by us, before the Purchase Committee if need be on a mutually convenient date.

Authorized Signatory
of the tenderer

Signature dated :
Designation / Capacity :
Name :

ANNEXURE VII

**FORMAT TO BE FILLED UP AND SUBMITTED
IN THE LETTER HEAD OF THE BIDDER**

TECHNICAL COMPLIANCE STATEMENT

NAME OF MACHINE:

| Sr No | Specification given in the tender document | Compliance Yes or No | In case of No, deviation to be indicated |
|------------------|---|---------------------------------|---|
| | | | |
| | | | |
| | | | |

Authorized Signatory
of the tenderer

Signature dated :
Designation / Capacity :
Name :

ANNEXURE VIII

CHECK LIST TO BIDDERS

1. Get all the clarification regarding terms and conditions, specifications etc during the pre-bid meeting or by writing to the Director DKTE CoE in Nonwovens, prior to submission of bids.
2. The original tender document purchased/ downloaded in full has to be submitted along with the technical bids duly signed on all pages. Adequate copies of the format of the cost details may be taken separately for each instrument.
3. If the tender document is downloaded, separate DD of exact amount as of tender fee is to be enclosed and also the required EMD for each instruments as mentioned in the tender document are to enclosed. A combined DD covering the EMD for all the instruments quoted can be drawn and kept in one of the technical bids. Copies of this DD can be kept in other technical bids.
4. A covering letter duly signed by the authorized person as per the specimen given at annexure VI of the tender document.
5. Ensure that User Certificates from at least two users on their letter head stating that the performance of similar make and model supplied to them is satisfactorily is enclosed.
6. No commercial terms of reference should be given in the technical bid at all.
7. A descriptive leaflet / brochure of the equipment quoted are enclosed along with the technical bid.
8. Copy of the certificate for the calibration of similar make and model of the equipment / instrument for which bid is submitted from an accredited calibration laboratory / NPL, if applicable is enclosed.
9. Ensure that all documents are enclosed in cover A as mentioned at close No. 18 (Page No.)
10. The technical and commercial bids are submitted separately superscribing cover A Technical Bid forinstrument or Cover B Commercial bid forinstrument. Last date The technical bids can be kept together in one envelop, ensure that the commercial bids are kept separately for each instruments.
11. Proof regarding manufacturer / authorized agent, as the case may be, is enclosed.
12. Prior to submission of bids, bidders have to ensure that the equipment quoted by them is suitable for testing as per the national / international standards mentioned in the specifications.
13. Cost details are to be given in the prescribed format only. If more than one Model of the instrument is quoted, separate sheet may be enclosed may be given.

Note: if the bidder fails to furnish all the relevant documents / information as mentioned in the tender documents, the tender will be rejected.