

DKTE COE IN NONWOVENS

DKTES's Textile and Engineering Institute,
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TENDER DOCUMENT



**TENDER NOTICE NO.: DKTE / COE / IB / 04 –
2011-12, DATED 31st JANUARY 2012**

COPY No.:

Seal & Signature of
Authorised 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. World market of technical textile is projected towards the annual growth rate of 3.6% during the period of 2000 - 2010. Asia is expected to account for 45% of the market share in 2010 in terms of weight and volume growth will average between 4 – 5% per annum. The investment in Technical Textile and Nonwoven put together is over INR 1300 Crores since inceptions 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. Major consumer of the nonwoven in form of geotextile product is infrastructure industry, such as roads, highways, railways and airports it is necessary that the use of these products made mandatory to gain assured market for them. 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 industry.
- Develop accredited 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 industry to catalyze the product development programs of individual unit to meet domestic requirements and also international trade.

Keeping the above objectives, in the first phase, Testing facilities, Resource centre and some facilities for product development have been set under COE to broaden the spectrum of testing and R & D. the various testing / research equipments required by these laboratories are now being procured through the current tender.

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

The Details of Tender and Notice

DKTE COE IN NONWOVENS

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

TENDER NOTICE No. : DKTE / COE / IB / 04 – 2011-12, DATED 31st JANUARY 2012

Tenders in two separate sealed covers viz; Technical (Cover- A) and Commercial (Cover- B) are invited by the DKTE bonafide manufacturers / authorized agents for the supply of textile testing, information resource centre, laboratory equipments & miscellaneous items for **DKTE COE in Nonwovens**. Details of textile testing, information resource centre, laboratory equipments & miscellaneous items, number of units, 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 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.500/-** 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 If the document is downloaded from the website, the document fee of Rs.500/- 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 for each of the equipment. **Tenders without EMD will not be considered at all. Sale of tender documents: From 31st January 2012 (09:30am to 05:30pm). Pre-bid clarification meeting will be held on 4th February 2012 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 10th February 2012, up to 05:30pm. On 11th February 2012 the technical bids will be opened at 11:00am in the Committee Room of DKTES's TEI.** The bidders or their authorized representatives may remain present at the time of opening the tenders, if they so wish. 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: Principal, DKTES's Textile and Engineering Institute, '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: dktestextile@gmail.com

(A) TERMS AND CONDITIONS - GENERAL

1. Tender documents shall be issued by the Office of the DKTE at Ichalkaranji to manufacturers / authorized agents, on payment of Rs.500/- (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 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 10 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 II. 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 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) of Bank Guarantee (BG) as per the format given in Annexure- IV. 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 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 equipment/ item 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 equipment and name of 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 for Rs.500/- in case the document has been downloaded from website.
- c) Original Tender document duly signed by the authorized person on all pages.
- 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 30st April 2012.
 - e. The details regarding the service centers, stocking of spares, etc.
- k) Addenda / corrigenda / clarification issued by DKTE before due date of tender, duly signed by authorized person.
- l) Descriptive leaflet / brochure giving the technical details of the equipment / instruments / looms.
- 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 including space, size of the table required, power point ampere, etc.
- 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 equipment/ instrument 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 equipment/ instrument and accessories (imported/ indigenous), required for the functioning of the equipment, including the test control system, printer, 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 Voltage stabilizer, surge arrestor, necessary length of cables, plugs etc. should be provided by the bidder along with the equipment/ item. The bidder shall quote for these items separately. The Centre will provide adequate space, furniture and electricity only for the installation and commissioning of the equipment / item.

19. VALIDITY OF THE TENDER

Rates quoted by the bidder and the Earnest Money Deposit submitted shall be valid till 30th April 2012 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 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 upto 30th April 2012, 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 caters mainly to the manufacturers/ exporters. Hence, Purchase Committee may at its discretion give preferences to more popular brands of instruments, 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 equipments 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 reserves all the right to cancel items, from the list of requirement of instruments without assigning any reason thereof.
 26. The number of instruments required is tentative so also the location mentioned where the supply has to be effected. DKTE at its discretion may delete/ add the number of requirement of instruments and change the location where the supply has to be affected.

III (B) TERMS AND CONDITIONS

1. Cost details are to be filled up in the prescribed format as given at **Annexure –III** for all the instrument as applicable to imported/ indigenous indicating therein ex-works price, agency commission payable to Indian agents, FOB, insurance, packing and forwarding the total CIF charges, applicable taxes, etc., including that of the accessories like voltage stabilizers etc.
2. Agency commission for imported equipments/ instruments will be paid in Indian Rupees, only after the successful installation of the equipment and imparting training to the technical personnel of the laboratory concerned.
3. All accessories start up kit required for installation and commissioning the main equipments are to be specified and quoted.
4. The terms of payment in case of indigenous machinery/equipment shall be:
 - a) 20% 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 in the form of BG or DD and (iii) Bank Guarantee for an equal amount valid for the duration upto delivery of the equipment. **(Format of BG is given at Annexure – 4)**
 - b) 60% of the ex-works price of the machinery/equipment plus Government levies will be paid against invoice and delivery of the equipment in good condition.
 - c) 20% remaining amount plus packing, freight and insurance charges will be paid after successful commissioning of the equipment, demonstration of satisfactory performance and imparting training to the technical personnel of the laboratory concerned.
5. The bidder should take responsibility for delivering the equipments inside the premises of the respective laboratories of DKTE as specified in the Purchase Order.
6. The foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.
7. 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.
8. **Training:** The successful bidder of the equipment should provide adequate training for at least two technical personnel of the laboratory per equipment including trouble shooting etc., and making them confident of operating the equipment independently. In case of major and sophisticated equipment, the successful bidder should give training in the following 3 phases:
 - i. Basic theory and technique of the equipment: The purpose is to train DKTE officials in fundamental aspects of the technique. This will be open house classroom training at a mutually convenient venue. To & fro, lodging and

- boarding charges for 1 person per equipment is to be borne by the successful bidder.
- ii. This will be conducted at the time of actual installation of the instrument. This involves hands on experience on the instrument explaining complete capabilities of the software and brief trouble shooting, routine maintenance including technique, if any.
 - iii. This will be conducted aboard after completion of the 2nd stage. 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.
9. The bidder shall adhere to the delivery period of the equipment/item as committed by him as indicated in **Annexure V** 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 week of delay.
 10. The installation and commissioning of the equipment/item should be completed within 30 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.
 11. The bidder shall give warranty for at least one year in respect of items quoted.
 12. 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.
 13. Operation/ maintenance manuals, calibration procedures and other instructions manuals should be provided along with each of the equipment.
 14. Terms for service contract (comprehensive or non- comprehensive) after the expiry of warranty period for at least 3 years are to be included.
 15. (a) The test control/operating systems like computer and printer, compatible to the main instrument, are to be supplied in indigenously with latest configuration and licensed operating system. Assembled models and unlicensed operating system will not be entertained. Alternatively, the compatible electronic control system viz. the configuration of the computer and printer where ever required may be provided for effective procurement by DKTE.
(b) In case of any items asked as accessories for the use of specific equipments, the bidders may either quote along with their equipment/instrument or may get the quotation from the technically competent vendor which would interface with the main equipment/instrument.

16. If the equipment/item 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. In the absence of such authorization, the tender will not be considered at all.
17. It is the sole responsibility of the supplier to process insurance claim in case of machine/equipment/instrument is received in fully or partly damaged condition or missing in transit. No extra payment will be borne by DKTE towards clearing charges, freight, cost towards deputation of service person or any other charges whatsoever for rectifying/replacement of the damaged parts / equipment / instruments.
18. The responsibility for customs clearance (in case of imported equipments), transporting and delivering the equipment/instrument inside the laboratory at the respective places, as the case may be, lies with the bidder only. All the relevant documents required for the customs clearance and transportation will be provided to the bidder or his representative by the DKTE within a reasonable period of time. In case of delay in the customs clearance of imported equipments, the demurrage has to be paid by the bidder only. Hence, suppliers may inform their principals abroad to give timely information regarding the dispatch of equipment/item.
19. In case of short supply or wrong supply of equipment/instrument, 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 equipment/instrument 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 reserves the right to cancel the order in such event.
22. The items and the no. of units of the items being procured are tentative liable to change without assigning any reason.
23. Financial statement of the manufacturer incorporating the turnover of the business for the last 3 years should be submitted along with the commercial 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 commercial bids.
24. Any non-fulfillment of the stipulation given above will make the bid invalid.
25. 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.
26. The full payment will be released to the bidders only after completion of satisfactory performance check of the instrument/equipment.
27. In case of computer related equipment, the bidders have to quote for indigenous computer only instead of imported computers, if any.
28. 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 equipment/item for which the bid is submitted.
 - iii. Compliance to technical specifications of the machinery/equipment for which the bid is submitted.
 - iv. Adherence to the warranty period.
 - v. Documents in support of compliance to the calibration of the equipment and its traceability to national/international standards of measurement and proven performance through proficiency testing, wherever such requirement is specified.
 - vi. 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.
 - vii. Details regarding the service centers, stocking of spares etc.
 - viii. Confirmation about the supply of Certified Reference Materials/Samples for checking the performance of the testing instruments, where applicable.
 - ix. Compliance to all other relevant and critical terms and conditions of the tender.
 - x. DD for Rs.500/- if the document is downloaded from website.
 - xi. Validity of the tender up to 30th April 2012.
 - xii. For some of the automatic equipment, the tender document will be evaluated by grading system based on the following criteria:
The range sensitivity / detection limit, technique used calibration traceability, over all technical compliance, satisfactory user certificate etc., will be reviewed for its technical responsiveness.
 - xiii. **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.

Annexure I

TECHNICAL SPECIFICATIONS OF THE EQUIPMENTS / MACHINES

A. List of testing equipments:

Sr. No.	Instruments
1.	Direct Shear Box
2.	Pore size analyser
3.	Thermal Conductivity Tester
4.	Water Transmittivity Tester
5.	Gradient Ratio Test Apparatus
6.	Air permeability
7.	Water vapor transmittivity tester

B. List of electronics items for Information Resource Centre

Sr. No.	Items
1	10 KVA Online UPS
2	LCD Projector and Accessories
3	Digital Copier
4	High speed camera
5	Sound recorder
6	Sound system for 60 x 30 feet auditorium hall
7	Voltage stabilizer
8	Split AC

C. List of laboratory equipments

Sr. No.	Name of equipment
1.	Refrigerator
2.	Soxhlet apparatus with heating mental (single unit)
3.	Microwave oven
4.	Electronic pipette set
5.	Distillation plant with ion exchange system
6.	Vacuum pump
7.	Centrifuge
8.	Propeller type laboratory stirrer

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- | | |
|-----|-------------------------|
| 9. | Rotary evaporator |
| 10. | Vacuum Oven |
| 11. | Melting point apparatus |
-

D. List of miscellaneous item:

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- | Sr. No. | Items |
|----------------|------------------------------|
| 1. | Generator |
| 2. | Material handling equipments |
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A. Specification of Testing Equipments

1. Direct Shear Box

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	Direct Shear Box	
2	Operation	Motorized	
3	Rates of Strain	1.25, 0.625, 0.25, 0.125, 0.05, 0.025, 0.01, 0.005, 0.002, 0.001, 0.0004, 0.0002 mm/min.	
4	Specimen Size	60 x 60 x 25mm	
5	Loading Unit	8 kg /cm ²	
6	Test standard	ASTM D3080, BS 1377-7:1990	

2. Pore Size analyzer

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	Pore Size analyzer: Suitable for textile, Nonwovens, Filters and membranes.	
2	Test standards	ASTM E 1294-89 ,ASTM F316-03 ASTM E1288-99 ASTM D6767-02; BS 3321:1986 ; BS EN240003: 1993 BS 7591-4: 1993	
3	Pore Size range	< 0.04 µm to 500 µm	
4	Pressure range and sensors	Overall range upto 250psi, Precise controller up to 300psi, Precise sensors upto 250 psi (in steps) with accuracy of ±<0.05% f.s.	
5	Sample holders	Range covering from 10 to 50 mm diameter and thickness up to 9mm	
6	other	Reference standards: 1, 10 and 100 micron, wetting liquid Software interface with out-put of size, flow, numbers, area and volume of pores, air and water permeability. Compressor with max. 16 bar pressure should be offered optionally.	

3. Thermal Conductivity tester

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	Thermal Conductivity	
2	Application	Suitable for all organic oil and fat based finishing agents	
3	Standard test methods	ASTM C 518 & ISO 8301	
4	Accuracy	Better than 1%	
5	Reproducibility	± 0.5%	
6	Specimen Size	305 mm square 0 to 102mm thick	
7	Temperature range	-20oC to 95oC	
8	Conductivity range	0.005 to 0.35 W/mK	
9	with software interface		

4. Water Transmittivity Tester

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	Water Transmissivity Tester	
2	Test Standards	ASTM D 4716 & CEN-ISO	
3	12" X 12" Test Area		
4	Manometers to indicate gradient with ports in the test box and upstream and downstream reservoirs (mm or 0.1") gradient		
5	Compressive loads from 500 to 20,000* ,30,000**, 40,000***, or 50,000**** psf using a multi-stage linear air system to deliver and maintain the Compressive Load		

5. Gradient Ratio Test Apparatus

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	Gradient Ratio Test Apparatus	
2	Test standard	ASTM D 5101	
3	Three stage acrylic chamber		
4	Manometer panel features six 100 cm graduated manometer tubes		
5	Test water adjustable head control components		
6	De Airing Equipment		

6. Air permeability

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Brief Description of Item	To measure air permeability across the textile material including woven, nonwoven, knotted, coated etc. under desired pressure head	
2	Test standard	AFNOR G 07 – 111, ASTM D 737, ASTM D 3574, BS 5636, DIN 53887, EDANA 140.1 and 141.1, EN ISO 9237, JIS L1096-A, TAPPI T 251, GB/T 5453	
3	Test Pressure	20 – 2500 Pa	
4	Area of Sample	Variable (cm ²): 5, 20, 25, 38, 100	
5	Sample thickness	Max. 10 mm	
6	Evaluation soft ware and computer interface required		

7. Water vapor transmittivity tester

Sr. No.	Specifications	Requirement	Compliance with Yes or No
1	Sample Description	Woven, nonwoven, knitted and coated textile material	
2	Test standard	BS 7209, BS 3424-34, ISO EN 420, ISO EN 20344, ISO EN 14268, ASTM E96, BS 3177, DIN 52615, DIN 53122-1, EN 1931, EN ISO 12572, GB 1037, GB/T 12704, ISO 2528, JIS L1099 Method A	
3	Sample positions	Six positions including facility for thick samples	
4	Measuring accuracy of Balance	± 0.0001 g	
5	Humidity, Temperature and air flow control required		

B. Specifications of Electronic Goods Required for Information Resource Centre / Training Center

Sr No.	Instrument & Specification	Compliance with Yes or No
1.	10 KVA Online UPS – 2 Unit	
	<p>1. Technology : PWM IGBT or better Technology</p> <p>2. Product Certification/Testing : One of the following a) ERTL b) ETDC c) STQC d) I E C e) CE</p> <p>Copy of the Test Certificates shall be provided for the particular model along with the supplies.</p> <p>3. Output Frequency : 50 Hz +/- 1% Hz</p> <p>4. Wave form : Pure Sine Wave under all load conditions.</p> <p>5. Transient Response: ± 1% maximum under following conditions: a) Loss or Return of Input AC supply b) ±5% with 100% step load</p> <p>6. Recovery Time : To nominal voltage in less than 20 millisecond</p> <p>7. Efficiency : > 92 %</p> <p>8 Load Power Facto : > 0.95</p> <p>9.Creaset Factor : Greater than 3:1</p> <p>10. Switch over time : Zero</p> <p>11. Noise : Less than 75 dB at 1 mtr.</p> <p>12. Switching speed : Minimum 2 KHz</p> <p>13. Protection System is required</p> <p>14. Metering: Digital display with multifunctional key panel indicate.</p> <p>15. Communication Port : RS 232C</p> <p>16. Inverter O/P Isolation :Mandatory Galvanic Isolation Transformer</p> <p>17. Battery : 6 EL – 40 AH tubular batteries (EXIDE make with 5 years warranty) Min. 26 No. (or more, as per design of the UPS)</p> <p>18. UPS Failure During UPD failure switch should automatically transfer the A.C. load directly to the AC so that transfer does not affect critical equipment operation.</p>	

	<p>19. O/P Harmonic Distortion of Waveform: Total harmonic distortion (THD) should Be below 1% for linear load and below 5% for nonlinear load</p> <p>20. Maintenance by pass switch is required</p> <p>21. Battery disconnect switch : The MCCB used to electrically isolate the storage batteries from UPS module</p> <p>22. Retransfer to inverter: automatically retransferring the load back to inverter after the inverter has returned to normal voltage and stabilized for period of time.</p> <p>23. Load: 10 KVA</p> <p>24. Power Factor: Input - > 0.90, Output - > 0.90</p> <p>25. Back : 1.5 hrs at full load</p>																													
2	LCD Projector and Accessories – 2 Unit																													
	<ul style="list-style-type: none"> • Brightness 2800 ANSI Lumens, XGA , Contrast ratio - 3000:1, 2pc input, 2 video input, monitor out + USB mouse control, 8 x2w (16w) audio, lamp life up to 6000 hrs in eco mode, security locking (pin & bar), transparent on screen display, template function, pc less / HDMI / network. • Motorized Screen Size 6’ X 8’ With Rf Remote tubular Motor.(1 Unit) • Motorized Screen Size 8’ X 8’ With Rf Remote tubular Motor.(1 Unit) • Ceiling Mounting Powder Coated 1.5 Feet Extendable To 3 Feet. • VGA Cable with Molded Connectors, (15 Mtrs.) • Video Cable with RCA Connector (15 Mtrs.) 																													
3	Digital Copier / Printer Machine – 1 Unit																													
	<table> <tr> <td>Make</td> <td>HP/ Xerox/Canon</td> </tr> <tr> <td>Speed</td> <td>33 copies per min.</td> </tr> <tr> <td>Tray</td> <td>4</td> </tr> <tr> <td>Tray capacity</td> <td>500 sheets</td> </tr> <tr> <td>Resolution</td> <td>1200 x 1200 DPI</td> </tr> <tr> <td>Book Copying</td> <td>Yes</td> </tr> <tr> <td>Hard disk</td> <td>5.1 GB</td> </tr> <tr> <td>Automatic document feed</td> <td>Inbuilt</td> </tr> <tr> <td>Printer connectivity</td> <td>USB 2.0 and Network</td> </tr> <tr> <td>Post script</td> <td>Inbuilt</td> </tr> <tr> <td>Password facility</td> <td>Minimum 100 no.</td> </tr> <tr> <td>Automatic two sided</td> <td>Inbuilt</td> </tr> <tr> <td>Automatic document feeder</td> <td>Inbuilt</td> </tr> <tr> <td>Reduction / Enlargement facility</td> <td>50 % to 200 %</td> </tr> </table>	Make	HP/ Xerox/Canon	Speed	33 copies per min.	Tray	4	Tray capacity	500 sheets	Resolution	1200 x 1200 DPI	Book Copying	Yes	Hard disk	5.1 GB	Automatic document feed	Inbuilt	Printer connectivity	USB 2.0 and Network	Post script	Inbuilt	Password facility	Minimum 100 no.	Automatic two sided	Inbuilt	Automatic document feeder	Inbuilt	Reduction / Enlargement facility	50 % to 200 %	
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Automatic document feeder	Inbuilt																													
Reduction / Enlargement facility	50 % to 200 %																													

4	High speed Camera – 1		
	Frame rate	50000	
	Resolution	128 x 16 pixel	
	Sensor	12-bit ADC (Bayer system color, single sensor) with 20 µm pixel	
	Maximum Shutter speed	1µs	
	Video Output	NTSC /PAL composite VBS (BNC). Ability to zoom, pan and tilt within image via keypad. Live video during recording	
	Camera Control	Through optional keypad with integrated viewfinder and Gigabit Ethernet or RS-422	
	Dual Speed Recording		
	Capture 12-bit uncompressed data		
	8GB, 16GB or 32GB memory options		
	Low Light Mode		
5	Sound recorder – 1		
	Memory	4 GB	
	Voice recording time	Up to 2000 hr	
	Recording features	Advanced digital Voice operated recording	
	Recording system	Digital	
	Noise cut function		
	Digital pitch control		
6	Sound system of Ahuja Make		
	a. For Auditorium Hall		
	- 250 watt Amplifier	- 1	
	- Mike GM 615	- 2	
	- Mike AGN 500	- 1	
	- Mike 101 XLR	- 1	
	- Mike wireless AWM 490 V2	- 1	
	- Collar Mike wireless	- 2	
	- Mike stand Don	- 1	
	- Mike stand 2 feet	- 1	
	- Speaker box	- 4	
	b. For Meeting Room		
	- Central Amplifier CMA 4400	- 1	
	- Delegate Unit CMD 4200	- 14	
	- Chairman unit CMC 4100	- 1	
	- DVD Player	- 1	
	- Mike wireless AWM 490 V2	- 1	
	- Collar Mike wireless	- 2	
	- Speaker box	- 4	
	- 9 V battery charger kit with cell		

7	Voltage stabilizer of 60 KVA 1 Unit		
	<p>Input Voltage Range</p> <p>Output Voltage System Connections</p> <p>Output Voltage Adjustable</p> <p>Output Voltage Regulation</p> <p>Over Load Capacity</p> <p>Correction Rate</p> <p>Waveform Distortion</p> <p>Output Waveform</p> <p>Insulation</p> <p>Short CKT Period & percentage</p> <p>Normal Operating Temperature</p> <p>Climatic Conditions</p> <p>Mode of System</p> <p>System Construction</p>	<p>300 V – 460 V AC 50 Hz 3 PH 47Hz to 53 Hz</p> <p>380 V / 400 V/ 415 V AC 3Ph 50 Hz Unbalanced 4 Wire : R Y B N Star</p> <p>380 V to 415 V AC in 3Ph 220 V to 240 V AC in 1Ph</p> <p>± 1%</p> <p>120%</p> <p>15 V / 20 V / 35 V / Sec-1Ph 25 V / 35 V / 60 V / Sec-3Ph 110V/Sec for D.C. Motor controlled</p> <p>Nil</p> <p>True Reproduction of Input Class 'B'</p> <p>300 % for 250 m.sec.</p> <p>0°C to 45°C</p> <p>90 % RH.Max.Non-Condensing at 35° C</p> <p>Fully Automatic / Manual AS PER IS : 9815 of 1994 Oil cooled with first oil filling</p>	
	<ul style="list-style-type: none"> • Input under/over voltage Trip • Output under /over Voltage alarm • Digital voltmeter /Ammeter • Frequency meter (Digital /Analog) • Frequency Trip high /Low Adjustable (With setting thumb Wheel switch) • MCB/MCCB FOR OUTPUT • Dimmer Protection Arrangement • Phase Reversal Protection 		
8	Split Air Conditioner : (04)		
	<ul style="list-style-type: none"> - Make - Voltas / Godrej - Capacity : 2 Tn - Star Rating : 4 star - Compressor Type: Rotary 		

C. Specification of chemical lab Equipments

Sr. No.	Name of equipment	Specifications	Compliance with Yes or No
1.	Refrigerator	300 liter, double door Temperature range -5°c at refrigerator, single compressor, Low heat dissipation, Power saver model	
2.	Soxhlet apparatus with heating mental (single unit)	Capacity: 250 – 500ml, 1l Auto temperature controller Temperature range for mental: 40 – 300°c	
3.	Microwave oven	Capacity: 32 – 36 l Up to 1 kwatt out put power Convection type Temperature range from 40 – 250°c Variable power control Timer from treatment Steam cleaning	
4.	Electronic pipette set	Accuracy: +/-0.001ml, capacity: 1ml; 10 ml	
5.	Distillation plant with ion exchange system	Double distillation glass system Electrical heating, Auto water level control Ion exchange: 20l	
6.	Vacuum pump	Operating pressure Max: 1 bar Min: 100mbar Delivery 30 l/min Use: filtration and vacuum oven (temperature range upto 70°c)	
7.	Centrifuge	Speed controller, max: 28000 RPM, 30 ml tube capacity, 6 tubes, Cleaning kit, spare test tubes.	
8.	Propeller type laboratory stirrer	Variable speed, Speed regulator, Up to 7,000 rpm, S.S. rod and heavy base.	
9.	Rotary evaporator	Speed range: 20 rpm- 160 rpm. Lift distance: 150 mm Vacuum: 1 mm of Hg	
10.	Vacuum Oven	Temperature range: ambient to 200°c Accuracy: ± 1°c with PLD Control Vacuum: Precise vacuum control and display	
11.	Melting point apparatus	Automatic measurement Display: melting point and range Temp. Range- -10 °c to 500°c	

D. Specifications of miscellaneous item

Sr No.	Instrument & Specifications	Compliance with Yes or No
1	<p>Generator</p>	
	<p>A) <u>ENGINE :</u></p> <p>‘ASHOK LEYLAND’ make Water Cooled, Diesel Engine Model ALGD 618.42D, 50 cycles, 1500 RPM developing 341 BHP confirming to BS: 5514 & suitable for continuous running fitted with Fail Safe Unit for the protection of LLOP & HWT, electric starting system and fitted with standard accessories as per Ashok Leyland standard scope of supply.</p> <p>B) <u>ALTERNATOR :</u></p> <p>TRIDENT(LS) / CROMPTON GREAVES make 250 KVA, 200 KW, 3 Phase, 0.8 lagging P.F, 415 volts, Brushless Type Alternator fitted with Electronic Voltage Regulator (AVR) and Screen Protected Drip Proof with enclosure confirming to protection IP 23, Horizontal Foot mounted, 1500 RPM with Voltage Regulation +/- 1%, Single Bearing type.</p> <p>C) <u>BASE FRAME AND ARRANGEMENT :</u></p> <p>The Engine will be directly coupled to Alternator in order to form a compact arrangement and both the units will be mounted on Anti Vibration Mountings and fitted to suitable fabricated Base –Frame.</p> <p>D) <u>ACOUSTIC ENCLOSURE (CANOPY) :</u></p> <p>The acoustic enclosure manufactured with specially procured CRCA sheet, modular design, naturally aspirated, compact, weather proof, powder coated suitable for D.G. Set. Conforms to CPCB norms. Chemical treatment is provided for withstanding open environment. Thick bonded PUF (Poly Urethane Foam) of high density is used inside.</p> <p>E) <u>STANDARD CONTROL PANEL :</u></p> <p>STANDARD CONTROL PANEL’ suitable for 250 KVA 3 Ph. D.G. Set and generally consisting of the following:</p> <ul style="list-style-type: none"> • One Multi Digital Meter for AC Voltmeter, AC Ammeter & Frequency Meter • One KWH Meter Electronic Counter Type. • Three Nos. of Current Transformers of suitable rating • One suitable capacity M.C.C.B. • One set of HRC Control Fuses / MCB. • One set of Pilot lamps for ‘SET RUNNING’ & LOAD ON’ indication <p>In addition to the above, the said Control Panel will also consist of Engine Control Panel Instruments.</p> <p>F) <u>ACCESSORIES :</u></p> <ul style="list-style-type: none"> • Fuel tank fitted with Sensor & Fuel Gauge. • Residential Type Exhaust Silencer with Exhaust Bellow & Piping 	

	<p>upto Silencer.</p> <ul style="list-style-type: none"> • Spare Parts book and Maintenance Manual • 12x2 Volts D.C. Battery with connecting leads 	
2	Material Handling equipments	
	<p>a) Hand pallet truck – 2 Units</p> <ul style="list-style-type: none"> - Capacity : 2500 kg - lift height : 185 mm - Powder coated frame fabricated from cold rolled steel - Stainless steel version developed for use in pharmaceutical and food processing industries - Fully enclosed pump and hydraulic unit - 3-position control lever for easy operation - Tandem load rollers for better weight distribution - Polyurethane wheels and rollers for softer running on uneven floors <p>b) Semi Electric Stacker – 1 Unit</p> <ul style="list-style-type: none"> - Capacity :2500 kg - lift height : 3 m 	

Annexure II

Details of EMD payable for each of the equipment

A. List of testing equipments:

Sr. No.	Instruments	EMD Amount (INR)
1.	Direct Shear Box	2000
2.	Pore size analyser	25000
3.	Thermal Conductivity Tester	15000
4.	Water Transmittivity Tester	40000
5.	Gradient Ratio Test Apparatus	15000
6.	Air permeability	15000
7.	Water vapor transmittivity tester	10000

B. List of Electronic Goods Required for Information Resource Centre / Training Center

Sr. No.	Items	EMD Amount (INR)
1.	10 kVA UPS	16000
2.	LCD Projector	3000
3.	Digital Copier	3000
4.	High speed camera	10000
5.	Sound recorder	500
6.	Sound system for auditorium hall & Meeting room	25000
7.	Voltage stabilizer	10000
8.	Spilt AC	10000

C. List of Laboratory equipments:

Sr. No.	Name of equipment	EMD Amount (INR)
1.	Refrigerator	1000
2.	Soxhlet apparatus with heating mental (single unit)	1000
3.	Microwave oven	1500
4.	Electronic pipette set	1500
5.	Distillation plant with ion exchange system	2500
6.	Vacuum pump	2500
7.	Centrifuge	2000
8.	Propeller type laboratory stirrer	1000
9.	Rotary evaporator	5000
10.	Vacuum Oven	5000
11.	Melting point apparatus	5000

D. List of miscellaneous item:

Sr. No.	Name of equipment	EMD Amount (INR)
1.	Generator	15000
2.	Material handling equipments	5000

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 equipments/ instruments/ Machine

Name of the Instrument / Machine:		
Sr. No.	Cost details for foreign components	Cost in Rs. / foreign Currency (Please Specify)
i)	Total landed cost of the equipment inside the laboratory of DKTE as per the destination mentioned in the tender document including installation, agency commission, packing, forwarding, insurance, custom clearing, etc.	
ii)	DKTE will provide only custom duty exemption certificate and applicable duty for R&D purpose.	
iii)	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 (inclusive of all taxes, installation charges)	
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 labrotary 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 20% advance-for guidance purpose)

Bank guarantee No. _____ Date:

This deed of guarantee made this _____ day of _____ 2012 (Two thousand and Twelve (Name and address of the bank) hereinafter referred to as 'the Bank') which expression shall where successors and assignees of the Bank and the Dattajirao Kadam Technical Education Society, (hereinafter referred to as DKTE) which expression shall unless repugnant to the context of the meaning thereof include its legal representatives, successors and assignees.

WHEREAS the DKTE HAS PLACED ITS Purchase Order Bearing No. _____ dated _____ on (name and address of the bidder) (hereinafter called 'the supplier' for the supply of _____

AND WHEREAS the DKTE has agreed to pay to the supplier an advance 20% of the value of the equipment on submission of a Bank Guarantee of equal amount, which will be kept valid upto _____ being the period of 12 calendar months from the date of Bank Guarantee.

In consideration of the DKTE having agreed to pay to the supplier Rs. _____ (Rupees _____ only) being the 20% cost of the value of the equipment, we (name of the Bank) hereby undertake and guarantee to make repayment to DKTE the said 20% amount or any part thereof which does not become payable to the supplier by the DKTE in accordance with the subject to the terms and conditions of the said order within _____ days from the date of dispatch/ from the date of receipt of the material at site. The Bank further undertakes not to revoke this guarantee during its currency except with the previous consent of the DKTE in writing and this guarantee shall be a continuous and irrevocable guarantee upto a sum of Rs. _____ (Rupees _____ Only)

The Bank shall not be discharged or released from this guarantee by an arrangement between the supplier and the DKTE with or without the consent of the Bank or any alterations in the obligation of the parties or by any indulgence, forbearance shown by DKTE to the supplier and the same shall not prejudice or restrict remedies against the Bank nor shall the same in any event be a ground of defense by the Bank against the DKTE. We (name of the Bank) do hereby undertake to pay an amount equal to 20% of the order value being the amount due and payable under this guarantee without any demur, merely on demand from the DKTE stating that the amount claimed is due to the DKTE. In case the DKTE puts forth a demand in writing on the Bank for the

payment of the amount in full or in part against this Bank guarantee, the bank shall consider that such demand by itself a conclusive evidence and proof that the supplier has failed in complying with the terms and conditions stipulated by DKTE in the Purchase Order and payment shall be made to the DKTE without raising any dispute regarding the reasons for any such lapse/ failure on the part of the supplier.

This guarantee shall be in addition to and without prejudice to any other securities or remedies which the DKTE may have to hereinafter possess against the supplier and the DKTE shall be under no obligation to marshal in favor of the Bank any such securities or fund or assets that the DKTE may be entitled to receiving or have a claim upon and the DKTE at its absolute discretion may vary, exchange renew, modify or refuse to complete or enforce or assign any security or instrument.

The bank agrees that the amount hereby guaranteed shall be due and payable to the DKTE on DKTE's serving with a notice requiring the payment of the amount and such notice shall be deemed to have been served on the Bank either by actual delivery thereof to the Bank or by dispatch thereof to the Bank by Registered Post shall be deemed to have been duly served on the Bank notwithstanding that the notice may not in fact have been delivered to the Bank.

In order to give full effect to the provisions of this guarantee, the Bank hereby waives all inconsistent with the above provisions and which the Bank might otherwise as guarantor be entitled to claim and enforce.

NOTWITHSTANDING anything contained herein before, the liability under this guarantee is restricted to Rs. _____ (Rupees _____ Only). The guarantee shall remain in force till the _____ and unless the guarantee is renewed or a claim is preferred against the Bank within 3 months from the said date all rights of the DKTE under the guarantee shall cease and Bank shall be released and discharged from all liability hereunder.

(SIGNATURE)

PLACE:

DATE:

SEAL

CODE NO.

NOTE 1: SUPPLIERS SHOULD ENSURE THAT SEAL AND CODE NO. OF THE SIGNATORY ARE AFFIXED BY BANKER, BEFORE SUBMISSION OF THE BANK GUARANTEE.

ANNEXURE V

DELIVERY SCHEDULE OF EQUIPMENT

Sr. No.	Equipment	Delivery Schedule from the Date of acceptance of Purchase Order - maximum
1.	Indigenous equipments	Two months from the date of issuing Purchase Order
2.	Imported equipments	Three months from the date of opening of LC

ANNEXURE VI

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

To,
The Principal,
DKTES's Textile and Engineering Institute,
'Rajwada', Post Box No.130
Ichalkaranji- 416115

Sub: Supply of textile testing instrument to the laboratories of DKTE as per the specifications and quantities mentioned in the tender.

Dear Sir,

- a) Having examined the conditions of Tender and Specifications of the instruments & equipment, we, the undersigned, offer to supply instruments and equipment as mentioned in the Annexure I as per the quantity and specifications given in the tender along with standard spares/accessories as specified.
- b) Earnest Money Deposit (EMD) as given in Annexure II in the form of Bank Demand Draft / Pay Order in favor of 'The Principal, DKTES's Textile and Engineering Institute 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 instruments and equipments and install the same in the Laboratories as 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 of laboratories 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 30th April 2012
- 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 instrument and equipment 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.
- 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

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 10 / 02 / 2012. 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.