

# **THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION (SITRA)**

(Linked to Ministry of Textiles, Govt. of India)

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## **TENDER DOCUMENT FOR PROCUREMENT OF MACHINERY, EQUIPMENTS AND ACCESSORIES UNDER UPGRADATION OF CENTRE OF EXCELLENCE (CoE) – MEDITECH**

Tender No.	:	SITRA/COE/MEDITECH/PHASE II/02
Dated	:	February 6 <sup>th</sup> 2012
Total Equipments	:	11 Nos.
Approximate Cost	:	Rs. 250.00 Lakhs

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**Note: Interpretation of any term / word / clause lies with CoE – Meditech**

## INTRODUCTION

The South India Textile Research Association, popularly known as “SITRA”, was established in the year 1956. SITRA is a link in the chain of national laboratories in the country, sponsored by the textile industry and supported by the Ministry of Textiles, Government of India. The total membership of SITRA now stands at about 280, comprising of about 330 units. This includes 11 mills from 8 foreign countries namely Sri Lanka, Malaysia, Nepal, Thailand, Iran, Nigeria, Bangladesh and Indonesia. SITRA's services are also utilized by about 77 small units under the technical service card holder's category. In all, around 430 units have access to SITRA's services, apart from many small units in the decentralized sector, which utilize the services offered by 7 powerloom service centers, one textile service center, 4 CAD centers, one jute promotion center and one sample collection center. SITRA has 8 Divisions which offer a wide range of services- Textile testing, Manpower training, Consultancy, Inter-firm studies, Energy audits, etc - to textile industry.

A Centre of Excellence for Medical Textiles (CoE: Meditech) has been established at SITRA under the Scheme for Growth & Development of Technical Textiles (SGDTT) under Mini Mission I of Technology Mission on Technical Textiles (TMTT), promoted by Office of the Textile Commissioner, Ministry of Textiles, Government of India. SITRA provides testing facilities as per International standards for different products of Medical textile segment, including fibre, yarn, fabrics as well as the final product. The information resource centre at SITRA – CoE is equipped with technical literature, reference material, books, specifications and a sample bank containing samples of various products and information about manufacturing, production standards, testing procedures etc for the products of Meditech segment. Pilot plant facilities are established for development of prototypes / technology of main spectrum of Meditech products which will be transferred to the industry after standardization and optimization of the production process. CoE in the near future will begin to impart training to textile technologists, academia, scientists etc from TRAs, Institutes and Industry to develop a set of core professionals (trainers) on Meditech. The SITRA CoE conducts workshops with the personnel of allied industries for awareness and promotion of respective technical textile products. Need-based Audio-visual films are being prepared on various aspects viz. technicality of potential products / application areas / installation & manufacturing process of Meditech segment and will be shown among users, manufacturers, entrepreneurs etc during workshops/seminars, etc. The SITRA - CoE also provides support to the BIS in formulation of standards for Meditech segment.

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## II) DETAILS OF TENDER AND TENDER NOTICE

Tender in sealed cover is invited by CoE – Meditech, SITRA from manufacturers or authorized agents **for the supply of machinery and testing instruments / accessories for the use of the CoE.** Details of the machinery, equipments, accessory and their specifications are given in **Annexure I** of this Tender document. Interpretation of the terms & conditions and other related issues in the Tender would lie with SITRA only. Tenders can be obtained from The South India Textile Research Association (SITRA), 13/37, Avanashi Road, Coimbatore - 641 014, Tamil Nadu. The tender document can also be downloaded from the websites of SITRA at [www.sitra.org.in](http://www.sitra.org.in) & [www.sitrameditech.org.in](http://www.sitrameditech.org.in) . One Tender document alone needs to be purchased even if bids are submitted for more than one item. However, with each offer, a copy of the Tender Document in full, duly sealed and signed in every page together with Annexure IV, in original, in the Bidder's letter head signed with seal affixed should be submitted.

Tender documents are available from 6<sup>th</sup> February 2012 to 3<sup>rd</sup> March 2012 (up to 11.00 a.m). **LAST DATE FOR SUBMISSION OF DULY FILLED UP SEALED TENDER AT SITRA, COIMBATORE is 3rd March, 2012 upto 5.00 p.m.** On 5<sup>th</sup> March, 2012 the technical bids will be opened at 2.00 p.m. at SITRA.

A **Pre-Bid Meeting** will be held on 16.02.2012 at 2.30 p.m. at SITRA to clarify queries that may be raised at that stage on issues concerning "Instructions to Bidders" of the bidding document as well as those relating to technical specifications.

SITRA reserves the right to accept or reject any or all the bids either in full or in part at its discretion without assigning any reason thereof. Address for Communication: SITRA, 13/37, Avanashi Road, Coimbatore - 641 014, Tamil Nadu.

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### III (A) TERMS AND CONDITIONS – GENERAL

1. Tender documents shall be issued by SITRA at Coimbatore to manufacturers / authorized agents. **SITRA, Coimbatore 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 any addenda / corrigenda issued. **The bidders shall use only tender documents as issued for submitting their bid and shall comply with terms and conditions mentioned therein.**
3. All pages of tender document shall be signed, duly affixing the official seal, 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 Number, Fax Number and E-mail address shall be indicated in the tender.
5. Tenders sent through E-mail, Fax and Telex will not be entertained.
6. The tender should be filled 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 for submission and for subsequent clarifications of their tender shall be accepted.
8. SITRA 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 the bidder has read all terms and conditions, and has made himself aware of the scope and specifications of the items to be supplied, availability of 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 writing minimum 7 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 returned duly signed and seal affixed along with the bids.**
12. It is for reasons mentioned under point numbers: 2 and 11 above that those intending bidders, who have downloaded Tender Documents from our said websites are suggested to remain in touch with Tender Issuing Authority, SITRA, either through writing, or visit our named websites at intervals deemed fit, so that they will not get left out from being informed as and when addenda / corrigenda/ clarifications, interpretations, meanings and specific directions, if any, are issued.
13. 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.
14. Bids submitted by manufacturers and authorized agents only shall be considered.
15. **Earnest Money Deposit:**

Tender must be accompanied by Earnest Money Deposit (EMD) at the rate of 5% of total cost that is stated in S.No. i) of Annexure II separately for each item that is being quoted for, in the form of DD / Pay Order / Bank Guarantee in favour of SITRA, payable at Coimbatore. The format that is to be used for furnishing Bank Guarantee is given in Annexure VI and the same only should be used without any deviations whatsoever. Failure to adhere to this norm will lead to rejection of Tender.

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

The EMD deposit by the successful bidders shall be held back towards the security deposit and will be refunded after successful installation, trial and training.

The EMD of unsuccessful bidders will be returned within 30 days from the date of opening of the financial bids.

The EMD shall be forfeited if the tenderer withdraws his offer after the tender opening during the bid validity period. SITRA shall not be liable for payment of any interest on EMD or any depreciation thereof.

**Any offer not accompanied with the EMD shall be rejected summarily as non-responsive.**

16. Authority of signing:

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

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

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

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 of the tender, in which case a certified copy of the power of attorney shall accompany the technical bid.

17. Price & Currency bid:

The tender shall be filled up in English with a neat hand / type and all the figures and words shall be legible.

The rates shall be written both in words and in figures. The bidder shall also show the amount of each item, the total of each section and the grand total of the whole tender.

Correction(s), if any, shall be made by crossing out, initialing with date and rewriting.

In case of conflict between the figures and words in the rates, the latter shall prevail.

The tenders shall be verified by the bidder for accuracy in the arithmetical calculations, prior to submission.

**18.1 Technical details shall contain:**

- a) Original Tender document **duly signed** by the authorized person on *all (36) pages*.
- b) **Compliance to technical specifications** of the equipment / item for which bids are submitted – Authorized person to specify “all the above technical specifications will be complied with” and sign in respective pages of the Tender document, where machinery / equipment / instrument items for which bids are submitted are given.
- c) **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 document, where “terms and conditions” are given.

- d) 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 document, where “Delivery Schedule” is given as in **Annexure II and Annexure III.**
- e) **Proof that the bidder** is (i) either manufacturer or (ii) an authorized agent for the equipment / item for which the bid is submitted.
- f) List of organizations in India and abroad, along with Name of contact person, address, Tel. No., Fax No. etc., to which similar make / model of the machinery / equipment / instrument were supplied in the past.
- g) Compliance that the bidder has manufactured or supplied the machinery / equipment / instrument during the past 3 years and performance report from at least 2 such users for the past 2 years.
- h) Covering letter, in the letter head of the bidder, stating:
1. That the minimum **Warranty period will be one year.**
  2. That the bid **conforms to the terms and conditions** of the tender.
  3. Confirmation about the supply of **Certified Reference Materials / Samples** for checking the performance of the machinery /testing instruments, wherever applicable.
  4. Confirmation that the quoted rates are valid till 30<sup>th</sup> April, 2012.
  5. The details regarding the service centres, stocking of spares etc.,
- (i) Addenda / corrigenda / clarification issued by SITRA before due date of tender, duly signed by the authorized person.
- (j) Descriptive leaflet / brochure giving the technical details of the machinery / equipments / instruments/accessories.
- (k) 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.
- (l) The probable life expectancy of the machine / instrument / accessory under normal conditions of operation should be stated wherever applicable.

- (m) Details of pre-installation requisites including space, electric power, compressed air supply, water / gas supply and any other, size of the table required in the case of test instruments etc.
- (n) Power of attorney authorizing the person who has filed the tender, if applicable.
- (o) A copy of the certificate for the calibration of the similar make and model of equipment / instrument for which bid is submitted from an accredited calibration laboratory or National Physical Laboratory, wherever applicable.

**18.2 Commercial details shall contain:**

- a) Total cost of the main equipment / instrument and accessories (imported / indigenous), required for the functioning of the equipment, including the control system, printer, packing & forwarding, taxes etc., duly filled and signed **in the format prescribed in the tender document at Annexure – II**. No money other than the total indicated above will be payable on any account.
- b) 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 – II**.

**19 Validity of the tender:**

Rates quoted by the bidder shall be valid till **30<sup>th</sup> April, 2012**, or to an extended date as agreed upon mutually.

The Bidder shall not withdraw or revise or alter any condition(s), rate(s) quoted within this stated period, unless he is called upon to do so on mutual agreement / negotiations.

**20 Opening of tender:**

The Tender shall be opened by a Purchase Committee constituted by the Competent Authority, CoE – Meditech, SITRA, at Coimbatore, at the time, date and venue as given under item Sl.No. II – “Details of Tender and Tender Notice” (Page No. 4 of this Tender Document).

**21 Agreement:**

The successful bidder shall sign an Undertaking on Judicial paper worth Rs.100/= in the format prescribed in **Annexure V** before releasing of the Purchase order by SITRA. A copy of the Purchase order so received should be signed and returned as a token of acceptance of the terms and conditions of the Purchase Order. The EMD amount will be retained as security deposit and the same will be refunded after successful installation, trial and training.

## 22 Criterion for rejection:

SITRA reserves the right to accept or reject any tender or reject all tenders without giving any reason whatsoever for their decision.

Tenders liable to be rejected are those 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.

Tenders which are found to be technically non-responsive shall be rejected and their commercial details shall not be considered.

Canvassing in connection with tender is strictly prohibited and tender submitted by bidder who resorts to canvassing will be liable to rejection.

Tenders containing specific conditions of the bidder, other than the terms and conditions given in the tender document, and not acceptable to SITRA, are liable to be rejected.

If the validity of the tender is not up to 30<sup>th</sup> April, 2012, the tender will be rejected.

If the tender document is not duly signed by the authorized person on all (36) pages, the same will be rejected.

SITRA caters to a wide range of customers / stake holders including manufacturers / exporters. Hence, Purchase Committee, may at its discretion, give preference to more popular brands of machines and instruments / accessories, which are generally believed to out-perform and output results that are widely accepted internationally and the decision of the Committee on this score will be final.

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.

SITRA reserves the right to cancel items, from the stated list of requirement of machinery, equipments and instruments, without assigning any reason thereof.

23. It should clearly be noted that all contracts resulting out of entering into a formal agreement / issue of a purchase order for procurement of any machinery / equipment / instrument will be interpreted under Indian Laws and for all disputes the jurisdiction will be Coimbatore only.

### **III (B) TERMS AND CONDITIONS – SPECIAL**

1. Cost details are to be filled up in the prescribed format as given at Annexure – II for the machinery, equipments and instruments as applicable, imported / indigenous as the case may be, indicating therein total charges.
2. All accessories, start up kit required for installation & commissioning the main equipments are to be specified and quoted.
3. 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 acceptance of purchase order.
  - b) 70% of the ex-works price of the machinery / equipment will be paid against invoice and delivery of the equipment in good condition at SITRA.
  - c) 10% remaining amount plus packing, freight and insurance charges will be paid after successful commissioning of the machinery / equipment, demonstration of satisfactory performance and imparting training to the technical personnel of SITRA.
4. For indigenous items, the bidder should take responsibility for delivering the machinery/equipments inside the premises of CoE – Meditech, SITRA.
5. The suppliers of machinery / equipment should provide adequate training for at least 2 technical personnel of SITRA, per equipment, including trouble shooting etc. and make them confident of operating the same independently.
6. The bidder shall adhere to the delivery period of the equipment / item as committed by him in Annexure II or the one indicated in Annexure III of the tender document, whichever is earlier. Penalty for non-execution of the order within the delivery period shall be 1% of the total cost of the equipment / item for every week of delay.

Should the delay become unavoidable due to some unforeseen reason, this fact together with proper justification for the same should be communicated to the Chairman, Purchase Committee, CoE-Meditech, SITRA and his written permission should be obtained to avoid penalty. The decision of the said Chairman on matters relating to grant of extension of time will be final and binding on the bidder.
7. During the warranty period, regular servicing / maintenance should be undertaken free of charge, including the replacement of defective parts / travel cost, etc. Subsequently, servicing / maintenance should be undertaken by the authorized agency of the manufacturer / supplier as per the annual maintenance contract conditions.

8. Operation manuals, calibration procedures and other instruction documents should be provided along with each of the equipment.
9. Terms for service contract (comprehensive or non-comprehensive) after the expiry of warranty period are to be clearly stated.
10. The Control Systems like computer and printer, compatible to the main machine / instrument, are to be supplied from indigenous sources with latest configuration and licensed operating system.
11. If the bidder is not himself a manufacturer but, is participating in the tender as the agent of the manufacturer, authorization letter of the manufacturer to the bidder for marketing and servicing the equipments in India should be enclosed along with the technical bid of the tenderer. In the absence of such authorization, the tender will not be considered at all.
12. In case of short supply or wrong supply of machinery / instrument, its parts or accessories or supply of items in damaged condition, it is the responsibility of the bidder to arrange for the supply of the required items in good 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.
13. The specifications given in this document are the minimum requirement. The bidders are free to offer machinery /equipments / instruments with better features also. However, evaluation shall be based on the features mentioned in the tender document only. If different models are quoted, the cost details may be given in separate sheet.
14. Orders for the supply of items, once placed with successful bidder, is non- transferable and no sub-contracting is permitted. SITRA reserves the right to cancel the order in such an event.
15. Any non-fulfillment of the stipulations given above will make the bid invalid.
16. The bids shall first be evaluated for their “technical responsiveness” which shall inter-alia include,
  - (i) Enclosure of all 36 pages of the Tender Document, duly signed along with official seal together with Annexure IV in the bidders’ letter head, duly signed with official seal.
  - (ii) Proof that the bidder is (i) either manufacturer or (ii) an authorized agent for the machinery/ equipment / item for which the bid is submitted,
  - (iii) Enclosure of EMD and Tender Document fee of Rs.500/-, the later being applicable in those cases, where tender document was downloaded from our websites.
  - (iv) Compliance to technical specifications of the machinery / equipment for which the bid is submitted,

- (v) Adherence to the warranty period,
- (vi) Documents in support of compliance to the calibration of the equipment / instrument and its traceability to national / international standards of measurement and proven performance through proficiency testing, wherever such requirement is specified,
- (vii) Necessary documentary proof that the bidder has manufactured or supplied the machinery / equipment during the past 3 years along with the list of such customers and performance report of the machinery / equipment from at least 2 of such customers / users for the past 2 years.
- (viii) Details regarding the service centres, stocking of spares etc.
- (ix) Confirmation about the supply of Certified Reference Materials / Samples for checking the performance of the testing instruments, wherever applicable.
- (x) Compliance to all other relevant and critical terms and conditions of the tender.
- (xi) Validity of the tender up to 30<sup>th</sup> April, 2012.

**If any of the above mentioned parameters are not fulfilled, the bid will be considered as technically non-responsive.**

17. The commercial details of those bidders who are technically responsive only shall be evaluated based on the following criteria:

- (i) Total price of the equipment as CIP / CIF for imported items.
- (ii) Total price of the indigenous items including delivery charges up to SITRA.
- (iii) AMC charges for three years after the expiry of the warranty period.

## Annexure I

### IV) LIST OF MACHINERY / EQUIPMENTS / INSTRUMENTS

<b>S. No</b>	<b>Description of Machinery / Equipment / Instrument</b>	<b>Place of Installation</b>	<b>Page No.</b>
1	Sanitary Napkin Manufacturing Line	SITRA, Coimbatore	15
2	Non-woven Surgical Gauze Line	SITRA, Coimbatore	16
3	Incontinence Pad making Line	SITRA, Coimbatore	17
4	Automatic Pillow Wet Wipe Manufacturing Line	SITRA, Coimbatore	18
5	Automatic Alcohol Pad Manufacturing Line	SITRA, Coimbatore	20
6	Non-woven Spun Lace Fabric Slitting and Rewinding Machine	SITRA, Coimbatore	21
7	Soft-flow Dyeing Machine	SITRA, Coimbatore	22
8	Front Loading Washing Machine	SITRA, Coimbatore	23
9	Micro Balance	SITRA, Coimbatore	24
10	Inverted Phase Contrast Microscope	SITRA, Coimbatore	25
11	Water Bath Circulator	SITRA, Coimbatore	26

## **01. SANITARY NAPKIN MANUFACTURING LINE:**

- Width of the Product : 70-110mm
- Length of the product : Upto 650mm
- Should include:
  - Hot melt application
  - Teeth like crusher to take treated pulp
  - Aggregate or drum former fluff core feeding unit.
  - Wood pulp + SAP adding unit
  - Tissue paper wrapping unit for fluff core
  - Fluff core embossing unit
  - Air laid paper & non dust paper feeding units
  - Top layer – nonwoven or perforated film – feeding unit
  - Bottom layer –film –feeding unit
  - Back sheet –release paper – cutting and feeding unit
  - Side sealing unit
  - Packaging/encapsulating plastic bag sealing unit
  - Wastage collection unit.
- Optionals:
  - Defect scan system
  - Perfume spray unit
- The Supplier should provide complete know-how for the manufacture as well as packaging of products mentioned, and also guide in the process of obtaining necessary clearances/approvals from various statutory\quality benchmarking agencies in India & abroad in order to ensure that the products shall readily be marketable.
- Samples : All types of samples to be provided with technical bid
- Erection, Installation & on-site training : To be included

All parts that will be in contact with the fabric and liquid formulation should be manufactured in Pharma grade SS 316/304 material. This will include all screws, bolts, nuts, trays, rollers, collection tanks, valves, knives and other required material. Wherever applicable, nylon based rollers are accepted. For conveyer, suitable plastic material is also accepted.

## **02. NON – WOVEN SURGICAL GAUZE LINE:**

- Should be capable of producing swabs in different sizes, such as:
  - 5cm X 5cm
  - 7.5cm X 7.5cm
  - 10cm X 10cm
  - 10cm X 5cm
  - 10cm X 7.5cm
  - 20cm X 10cm
  - 30cm X 30cm and so on
  - Final product tolerance : within 1mm
  
- Layers : 4ply, 6ply, 8ply,12ply
  
- The supply should also include specially designed, stainless steel 4- side packaging machine ensuring genuine safety and hygiene solutions for use in clean room environments. It should work with various pre-set width medical packing paper, plastics compound materials and any kind of thermo- sealable packaging material.
  
- The Supplier should provide complete know-how for the manufacture as well as packaging of products mentioned, and also guide in the process of obtaining necessary clearances/approvals from various statutory\quality benchmarking agencies in India & abroad in order to ensure that the products shall readily be marketable.
  
- Samples : All types of samples to be provided with Technical bid.
  
- Erection, Installation & on-site training : To be included

### **03. INCONTINENCE PAD MAKING LINE:**

Should be capable of producing the pads at least in two different sizes – namely: 900mm (L) X 600mm (W) and 1600mm(L) X 600mm (W)

- Suitable for 3- layer and 5- layer constructions.
- The glue unit should be an integral part of the production line.
- Complete with touch screen for automated control.
- The Supplier should provide complete know-how for the manufacture as well as packaging of products mentioned, and also guide in the process of obtaining necessary clearances/approvals from various statutory\quality benchmarking agencies in India & abroad in order to ensure that the products shall readily be marketable.
- Samples – All types of samples to be provided with technical bid
- Erection, Installation & on-site training : To be included

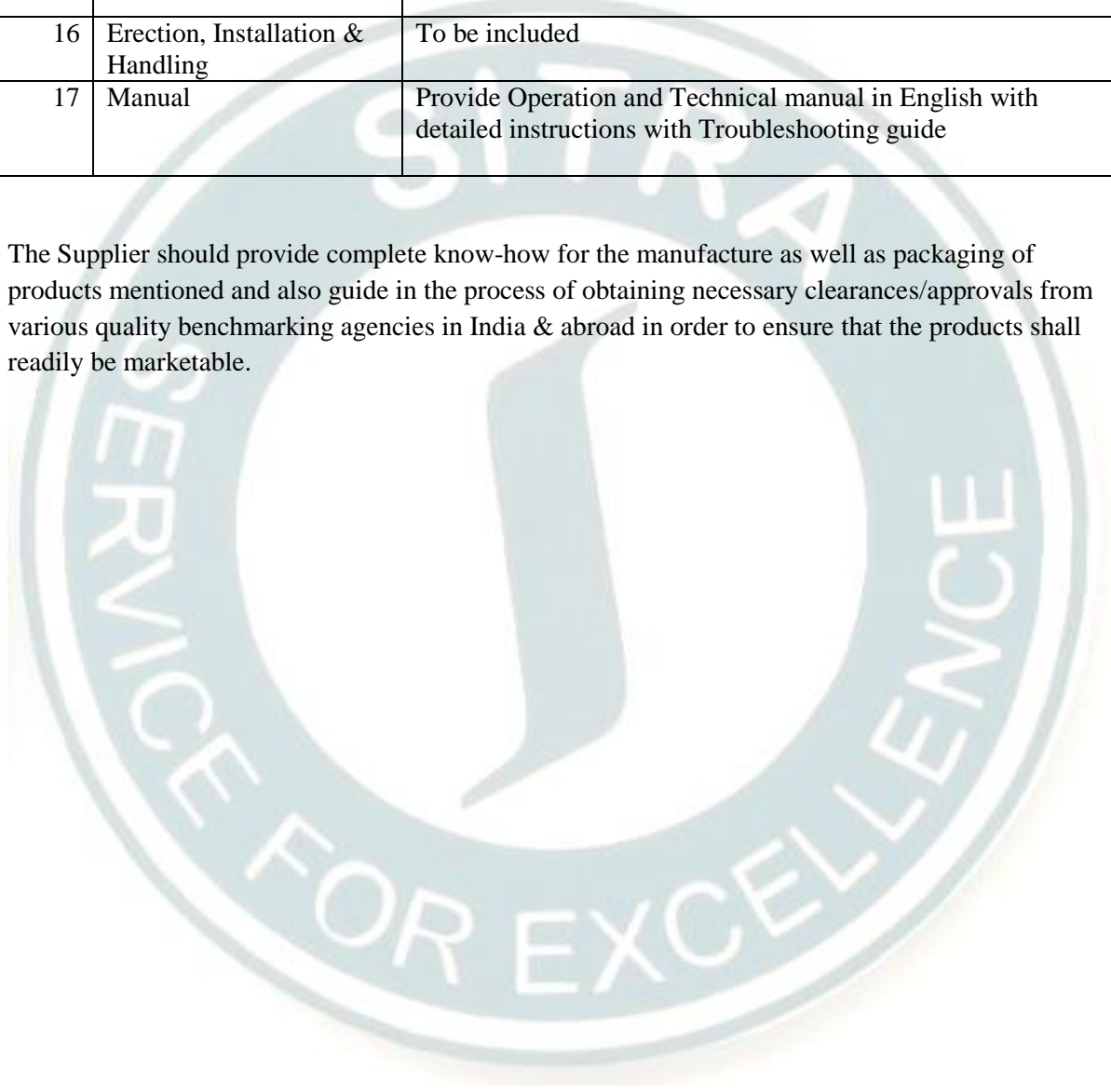
All parts that will be in contact with the fabric and liquid formulation should be manufactured in Pharma grade SS 316/304 material. This will include all screws, bolts, nuts, trays, rollers, collection tanks, valves, knives and other required material. Wherever applicable, nylon based rollers are accepted. For conveyer, suitable plastic material is also accepted.

**04. AUTOMATIC PILLOW WET WIPE MANUFACTURING LINE:**

S.No	Function	Specification
1.	Wet Wipe Type	Pillow (Single piece per bag) Wet Wipe
2.	Sealing	Three Seal
3.	Packaging Material	OPP/PE, PET/PE
4.	Packaging Dimension	80 mm –200 mm Length 45 mm – 100 mm Width
5.	Packaging Speed	150 pcs/minute or more
6.	Non Woven Fabric GSM	40 GSM to 80 GSM
7.	Non Woven Fabric Roll Dia	1000 mm
8.	Unfolded Wet tissue dimension	100 mm – 340 mm LENGTH 150 mm- 260 mm WIDTH
9.	Folded Wet tissue dimension	50 mm – 170 mm LENGTH 50mm – 80 mm WIDTH
10.	Mixing Vessel with Agitator	Capacity 250 liters Material – SS 316 Pharma Grade Agitator RPM- 70 ~ 100 RPM Motor – 1 hp Phase – 3 Phase Motor Voltage – 440V Provide Level Indicator Provide Inlet and outlet Valve
11.	Printing	Provide Date and Batch Number Printing
12.	PLC	PLC language should be in English To provide controls for changing packaging bag length and Tissue length with tolerances. To provide temperature control for heating elements To provide control for Production speed To Provide display of Production data including bag length, number of bags produced and Pieces/minute
13.	Material	All parts that will be in contact with the fabric and liquid formulation should be manufactured in <b>Pharma grade SS 316</b> material. This will include all screws, bolts, nuts, trays, rollers, collection tanks, valves, knives and other required material. Wherever applicable, nylon based rollers are accepted. For conveyer, suitable plastic material is also accepted.

14	Samples	Provide 50 kgs of Packaging material of PP and Paper.
15	Spares	Cutting Knives, Heating Elements, Printer Rollers, Conveyers
16	Erection, Installation & Handling	To be included
17	Manual	Provide Operation and Technical manual in English with detailed instructions with Troubleshooting guide

The Supplier should provide complete know-how for the manufacture as well as packaging of products mentioned and also guide in the process of obtaining necessary clearances/approvals from various quality benchmarking agencies in India & abroad in order to ensure that the products shall readily be marketable.



## 05. AUTOMATIC ALCOHOL PAD MANUFACTURING LINE

S.No	Function	Specification
1.	Wet Wipe Type	FLAT (Single piece per bag) Alcohol pad
2.	Sealing	Four Seal
3.	Packaging Material	OPP/PE, PET/PE
4.	Packaging Dimension	35mm – 90 mm Length 35mm – 70 mm Width
5.	Packaging Speed	150 pcs/minute or more
6.	Non Woven Fabric GSM	40 GSM to 80 GSM
7.	Non Woven Fabric Roll Dia	1000 mm
8.	Unfolded Wet tissue dimension	30 mm – 60 mm Length 30 mm- 60 mm Width
9.	Folded Wet tissue dimension	15 mm – 30 mm Length 30mm – 60 mm Width
10.	Mixing Vessel with Agitator	Capacity 250 liters Material – SS 316 Pharma Grade Agitator RPM- 70 ~ 100 RPM Motor – 1 hp Phase – 3 Phase Motor Voltage – 440V Provide Level Indicator Provide Inlet and outlet Valve
11.	Printing	Provide Date and Batch Number Printing
12.	PLC	PLC language should be in English To provide controls for changing packaging bag length and Tissue length with tolerances. To provide temperature control for heating elements To provide control for Production speed To Provide display of Production data including bag length, number of bags produced and Pieces/minute
13.	Material	All parts that will be in contact with the fabric and liquid formulation should be manufactured in Pharma grade SS 316/304 material. This will include all screws, bolts, nuts, trays, rollers, collection tanks, valves, knives and other required material. Wherever applicable, nylon based rollers are accepted. For conveyer, suitable plastic material is also accepted.
14.	Samples	Provide 50 kgs of Packaging material of PP and Paper.
15.	Spares	Cutting Knives, Heating Elements, Printer Rollers, Conveyers
16.	Erection, Installation & Handling	To be included
17.	Manual	Provide Operation and Technical manual in English with detailed instructions with Troubleshooting guide

The Supplier should provide complete know-how for the manufacture as well as packaging of products mentioned and also guide in the process of obtaining necessary clearances/approvals from various quality benchmarking agencies in India & abroad in order to ensure that the products shall readily be marketable.

**06. NON-WOVEN SPUN LACE FABRIC SLITTING AND REWINDING MACHINE:**

One Number Non Woven Fabric Slitting and Rewinding Machine that will be appropriate to meet specifications mentioned as under :

S.No	Function	Specification
1.	Non Woven Fabric GSM	40 GSM to 80 GSM
2.	Non Woven Fabric Roll Dia	1000 mm
3.	Slit material dimension	150 mm- 260 mm Width

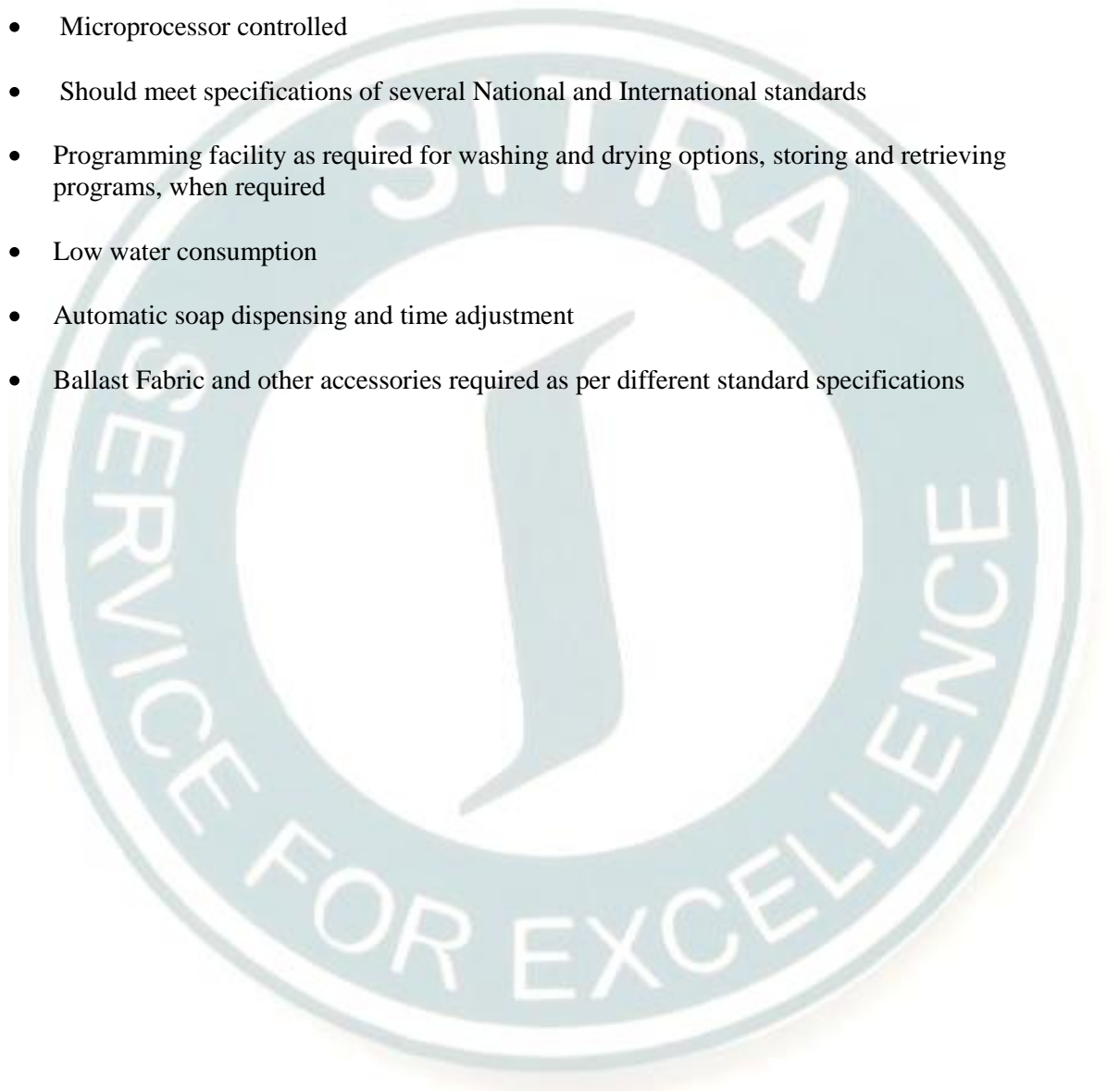
This same machine should also be suitable for Slitting and Rewinding Non-woven Fabrics 40 gsm to 80 gsm from Master rolls of 1000 mm dia to smaller rolls in slit widths 30 mm and up.

## **07. SOFT-FLOW DYEING MACHINE:**

- Capacity – 5 kgs.
- Bleaching and dyeing of Cotton, Polyester etc., and their blends
- Provision for bleaching and dyeing - Woven and Knitted fabrics of GSM 30 – 450
- Outer body of good quality SS and free from rust formation
- Inner surface designed to avoid pilling / damage / friction
- Effective filtering system and easy cleaning after each process
- Heating / Cooling rate around 4 deg C /min or adjustable as required with steam pressure of 6 bar
- Multi-tubular heating arrangement in the machine itself with circulation pump for quick heating/cooling
- Memory for storing the program, editing and retrieving whenever necessary.

**08. FRONT LOADING WASHING MACHINE:**

- 7 kg. Capacity
- Digital display and Automatic load detection
- Microprocessor controlled
- Should meet specifications of several National and International standards
- Programming facility as required for washing and drying options, storing and retrieving programs, when required
- Low water consumption
- Automatic soap dispensing and time adjustment
- Ballast Fabric and other accessories required as per different standard specifications



**09. MICRO BALANCE:**

- Readability (mg): 0.001
- Weighing capacity: minimum 5g. or >5g.
- Stabilization time:  $\leq 5$  seconds
- Measurement time:  $\leq 8$  seconds
- Repeatability: 0.001 mg
- Linearity: 0.004 mg
- Calibration: internal
- Operation: touch screen
- Display: high resolution graphic display
- Standard data interfaces: USB, RS-232, and Ethernet



#### **10. INVERTED PHASE CONTRAST MICROSCOPE:**

- Binocular tube: 30° TF/ 1X
- Eyepiece: 10X/18 or 10X/ 20
- Nose piece: quintuple nose piece
- Objective: 4X/ 0.1, PH 10X/0.25, PH 20 X/0.4, PH 40X/ 0.60, PH 40X/ 0.55
- Condenser: combination condenser with high NA (NA- 0.25) for bright field and phase contrast
- Illumination unit: 12V/ 30 W halogen
- Filter slider for up to 3 filter sets
- Filter unit for immune florescence FITC (blue excitation)
- Illumination unit HBO 100 with collector, mirror, lamp mount and heat protection filter
- Mercury high pressure lamp 100 W
- Dust cover
- Optionally with Trinocular phototube (100/100)
- Holding frame for culture vessels, petri-dishes, micro-titer trays
- CE mark
- Interface card, PC and printer
- Camera: Digital SLR camera and adapter (Photo/ Video port). Latest model should be provided
- Focusing knobs: Coaxial fine and coarse, focusing knob, lamp holder adjustable knob and field diaphragm.

**35. WATER BATH CIRCULATOR:**

- Working temperature: ambient +5° C to 100° C
- Bath capacity: 8- 20 ltrs
- Temperature control: microprocessor control with timer, alarm, and over temperature protection
- Accuracy:  $\pm 0.05\%$
- Resolution: 0.1 ° C
- Uniformity:  $\pm 0.1$  ° C at 37°C,  $\pm 0.2$  ° C at 50 °C
- Shaking frequency: 20-180 rpm
- Stroke length: 30 mm
- Timer: 1min to maximum hours (not less than 90)
- Cabinet material: coated steel
- Bath and pump material: stainless steel 304
- Drain tap for easy cleaning (Drain valve)
- Safety class: class 3
- Requires various racks, adapters and aluminum blocks
- Low liquid level indicator



**FORMAT FOR COST DETAILS**

(Cost particulars should be given in this format machinery-wise / 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 machinery / instrument is quoted, use separate sheets.

**Part 1: Cost details of Imported equipments / instruments:**

<b>Name of the Machinery /Instrument:</b>		
<b>S.No.</b>	<b>Cost Details for Foreign Components</b>	<b>Cost with currency</b>
i)	Total CIP / CIF cost inclusive of all demands – like, taxes & duties, inspection, packing, forwarding & handling charges, insurance charges, freight charges and all other. (Detailed break-up to be given separately).	
ii)	<u>AMC details:-</u> AMC rate per year (comprehensive / non-comprehensive) for the next 3 years, after the expiry of warranty period including the accessories (Two preventive and one break down visits)	1 <sup>st</sup> Year : 2 <sup>nd</sup> Year : 3 <sup>rd</sup> Year :
	Total	
EMD @ 5% of Total CIP / CIF cost as it appears under S.No. (i)		
Delivery schedule of the machinery / equipments		_____ months

**Part 2: Cost details of Indigenous machinery / equipments / instruments:**

<b>Name of the Machinery / Instrument:</b>		
<b>S.No.</b>	<b>Cost Details for Indigenous items</b>	<b>Cost in Rupees</b>
i)	Total cost inclusive of all demands – like, taxes & duties, inspection, packing, forwarding & handling charges, insurance charges, freight charges and all other. (Detailed break-up to be given separately).	
ii)	<u>AMC details:-</u> AMC rate per year (comprehensive / non-comprehensive) for the next 3 years, after the expiry of warranty period including the accessories (Two preventive and one break down visits)	1 <sup>st</sup> Year : 2 <sup>nd</sup> Year : 3 <sup>rd</sup> Year :
	Total	
EMD @ 5% of Total cost as it appears under S.No. (i)		
Delivery schedule of the machinery / equipments		_____ months

**Annexure II (contd.)**

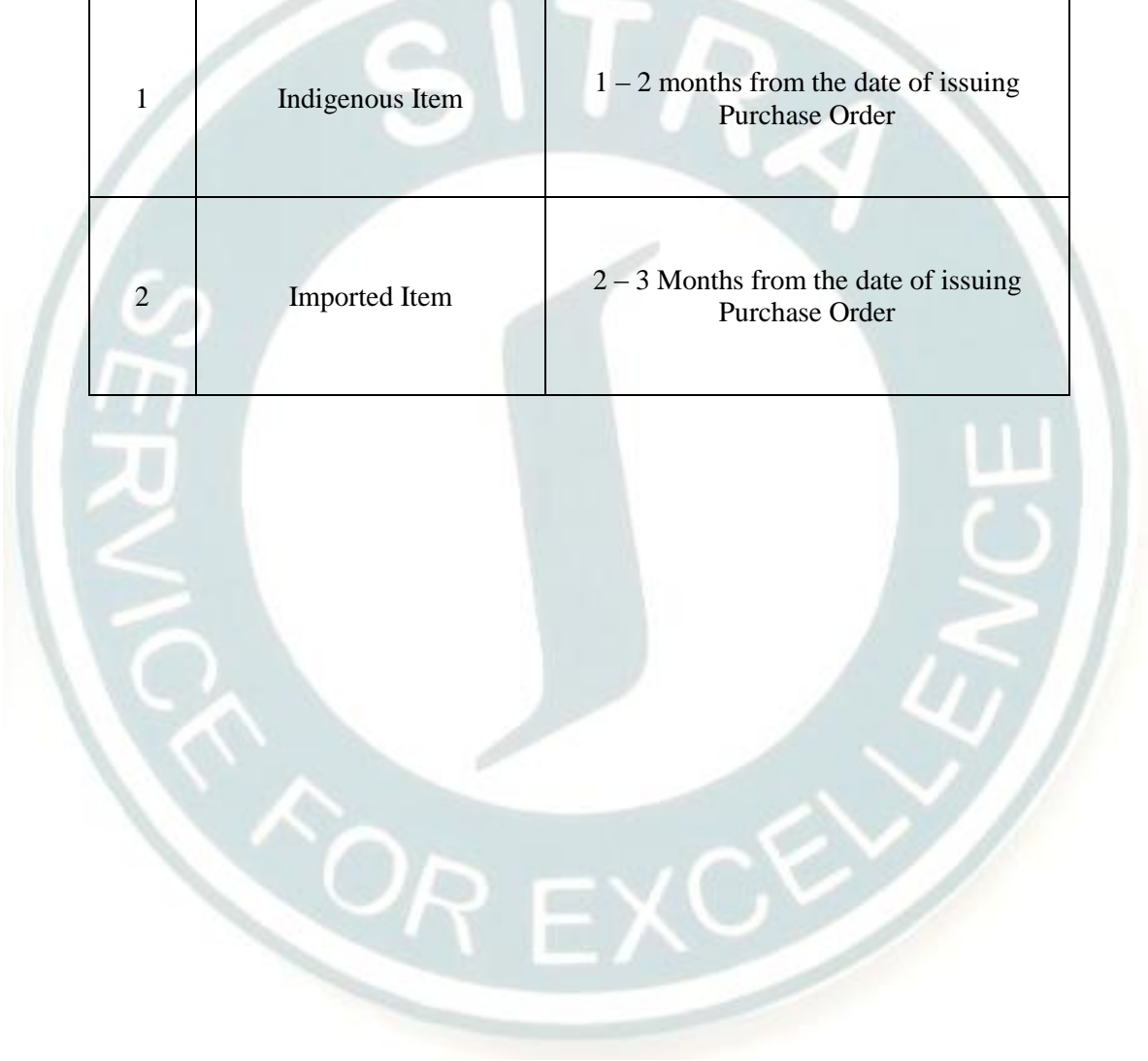
<b>S. No.</b>	<b><u>Details of Requirement for Opening L/C. (imported items only)</u></b>
1	Foreign Supplier's Name and Complete address on whom L/C will be opened
2	Foreign Banker's Name & Address
3	Foreign Supplier's Bank Account No.
4	Port of shipment
5	Country of Origin
6	Period to keep open the 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 machinery / instrument**
- 2. Octroi, if paid, will be reimbursed separately at actuals**

**DELIVERY SCHEDULE OF MACHINERY / EQUIPMENT**

S. No.	Machinery / Equipment	Delivery Schedule - maximum time limit
1	Indigenous Item	1 – 2 months from the date of issuing Purchase Order
2	Imported Item	2 – 3 Months from the date of issuing Purchase Order



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

To,

**The Director  
The South India Textile Research Association (SITRA)  
13/37, Avanashi Road  
Coimbatore – 641 014**

Dear Sir,

**Sub: Supply of Machinery/ Equipments /Instruments and / or accessories to  
CoE Meditech, SITRA as per the specifications mentioned in the Tender - Reg.**

**Ref: Your Tender No. SITRA/COE/MEDITECH/PHASE II/02 dt.06.02.2012**  
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- a) Having examined the conditions of Tender and Specifications of the machinery, instruments and / or accessory, we, the undersigned, offer to supply machinery / instruments and equipments as mentioned in **Annexure I** as per the specifications given in the tender along with standard spares / accessories as specified.
- b) Earnest Money Deposit (EMD) as given in Point No.15- Page No. 6 – under III (A) – Terms and Conditions - General in the form of Bank Demand Draft / Pay Order / Bank Guarantee in favour of SITRA, payable at Coimbatore as detailed in Tender Conditions is enclosed.
- c) **The original tender document duly signed on all pages is enclosed.**
- d) We agree to abide by the conditions mentioned in this tender during the entire period when it remains active.
- e) If our tender is accepted, we undertake to supply the machinery / instruments and equipments and install the same at SITRA within the specified periods mentioned by us in **Annexure II**.
- 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) The probable life expectancy of the machine/instrument/accessory under normal conditions of operation will be \_\_\_\_\_ Years.

- h) We agree to train the personnel of SITRA, free of charge, as per the terms and conditions.
- i) If our tender is accepted we will obtain and arrange:
1. to sign an Undertaking on Judicial Paper worth Rs.100/= in the format prescribed in Annexure V before releasing of the Purchase order by SITRA.
  2. Any other statutory obligation, if any, prior to commencement of supply of machinery / instrument.
- j) We agree for the validity of our tender up to 30<sup>th</sup> April, 2012.
- k) We understand that unless and until a formal Agreement / order is prepared and issued by SITRA, this tender together with our written acceptance thereof, shall constitute a binding contract between us and SITRA.
- l) We declare that only tender documents, as issued for submitting this bid have been made use of by us and agree to comply with terms and conditions contained therein.
- m) We understand that you are not bound to accept the lowest or any other 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 to Tenderer**

**Signature dated**  
**Designation / Capacity**  
**Name**

## Annexure V

**Tender Reference No.:**

**Dated:**

### UNDERTAKING / DECLARATION

*(To be submitted by the successful bidder on Rs.100/- Stamp Paper)*

**To**

**The Director  
The South India Textile Research Association (SITRA)  
13/37, Avanashi Road  
Coimbatore – 641 014**

Dear Sir,

- i. We, \_\_\_\_\_ (Bidder's Name & Address) undertake to supply the item (s) \_\_\_\_\_ (Name(s) of machinery/instruments) as per the detailed specification of Tender and honour the terms and conditions of the tender document.
- ii. We undertake to supply the machinery/equipment within the stipulated period of time and accept the penalty clause imposed by SITRA as per the terms and conditions of the Tender.
- iii. We undertake that during the warranty period, regular servicing / maintenance will be carried out as per the Warranty Clause.
- iv. We undertake to provide adequate training (operational routines, trouble shooting) to two technical personnel of SITRA on the supplied machinery / equipment and make them confident of operating the machinery / equipment independently.
- v. We agree that the final settlement will be made to us only after completion of satisfactory installation, trial and training on the said machine / instrument.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 2012.

**Authorized Signatory**

**Signature:**

**Name:**

**Designation:**

**Name & Address of the Company:**

**Seal of the Company:**

## Annexure – VI

### **PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT (TO BE OBTAINED FROM A NATIONALISED BANK AND EXECUTED ON NON- JUDICIAL STAMP PAPER OF Rs.100/-)**

Ref : \_\_\_\_\_ Date \_\_\_\_\_ Bank Guarantee No: \_\_\_\_\_

In accordance with invitation to Tender Notice No.SITRA/COE/MEDITECH/ PHASE II/02 Dated 06.02.2012 for PROCUREMENT OF MACHINERY, EQUIPMENTS AND ACCESSORIES UNDER UPGRADATION OF CENTRE OF EXCELLENCE (CoE) – MEDITECH for THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, 13/37, AVINASHI ROAD, COIMBATORE – 641 014 . [herein after referred to as SITRA], M/s \_\_\_\_\_ (*Bidder's Name & Address*) \_\_\_\_\_ herein after referred to as BIDDER] wish /wishes to participate in the said tender and a Bank Guarantee for the sum of Rs. \_\_\_\_\_ [Rupees \_\_\_\_\_ valid for a period of *One Hundred and Eighty Days from the date of issue of Bank Guarantee* is required to be submitted by the Bidder towards the Earnest Money Deposit.

1. We the ( *Banker's Name* ) \_\_\_\_\_ [Indicate the Name of the Bank] [Hereinafter referred to as 'the Bank'] at the request of the BIDDER do hereby unequivocally and unconditionally guarantee and undertake to pay during the above said period, on written request by SITRA an amount not exceeding Rs. \_\_\_\_\_ to the SITRA, without any reservation. The guarantee would remain valid upto \_\_\_\_\_ (specify date viz. 180 days from the date the same is issued by the Bank) and if any further extension to this is required, the same will be extended on receiving instructions from the BIDDER on whose behalf this guarantee has been issued.

2. We the Bank do hereby further undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the SITRA stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the SITRA by reason of any breach by the said BIDDER of any of the terms or conditions or failure to perform the said Bid. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (in words).

3. We, the Bank undertake to pay the SITRA any money so demanded notwithstanding any dispute or disputes so raised by the supplier [s] in any suit or proceeding instituted/pending before any Court or Tribunal relating thereto, our liability under this agreement being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the supplier(s) shall have no claim against us for making such payment.

4. We, the Bank or our local branch at Coimbatore further agree that the guarantee herein contain shall remain in full force and effect during the aforesaid period of 180 days from the date of issue of Bank Guarantee and it shall continue to be so enforceable till all the dues of the SITRA under by

virtue of the said Bid have been fully paid and its claims satisfied or discharged or till SITRA certifies that the terms and conditions of the said Bid have been fully and properly carried out by the said BIDDER and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the date as mentioned above in point No.1, we shall be discharged from all liability under this guarantee thereafter.

5. We, the Bank or our local branch at Coimbatore further agree that the SITRA shall have the fullest liberty without our consent and without affecting in any manner our obligations here under to vary any of the terms and conditions of the said Bid or to extend time of performance by the said BIDDER from time to time or to postpone for any time or from time to time any of the powers exercisable by the SITRA against the said BIDDER and to forbear or enforce any of the terms and conditions relating to the said bid and we shall not be relieved from our liability by reason of any such variation, postponement or extension being granted to the said BIDDER or for any forbearance act or omission on the part of the SITRA or any indulgence by the SITRA to the said BIDDER or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the name, style and constitution of the Bank or the BIDDER.

7. We, the Bank or our local branch at Coimbatore lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the SITRA in writing.

8. We, the Bank further agree that this guarantee shall also be invokable at our place of business at \_\_\_\_\_ in the State of \_\_\_\_\_.

Dated \_\_\_\_\_ Day of 2012

Witness ((Signature, names & address) For \_\_\_\_\_ [Indicate the name of Bank]

1. Power of Attorney No. \_\_\_\_\_

2 Date: \_\_\_\_\_

SEAL OF BANK

**Note: The non-judicial stamp paper of worth Rs.100/- shall be purchased in the name of the Bank, which has issued the Bank Guarantee.**

## **(V) CHECK LIST TO THE BIDDERS**

1. Get all the clarification regarding terms and conditions during the pre bid meeting or by writing to the Director, SITRA, Coimbatore, prior to submission of bids.
2. The original tender document downloaded in full (Total of 36 (thirty six) pages) has to be submitted along with the technical details duly signed and seal affixed on all the pages.
3. Ensure that requirements pertaining to compliance to technical specifications as specified in 18.1 (b) of page no. 7 and compliance to the terms and conditions as in 18.1 (c) of page no. 7 have been completed in full. If any deviations are there in the specifications, the details may be given separately as Annexure.
4. The required Earnest Money Deposit (EMD) for each machine / instrument as mentioned in the Tender Document are to be enclosed. Copies of this DD / Pay Order / Bank Guarantee are to be kept along with Technical Bids.
5. A covering letter duly signed by the person as per the specimen given at **Annexure IV** of the tender document is to be enclosed.
6. 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 satisfactory, is enclosed.
7. Descriptive leaflet / brochure of the machinery / equipment quoted are to be enclosed along with the technical details.
8. Copy of certificate for the calibration of similar make and model of the equipment / instrument for which bid is submitted from an accredited calibration laboratory or NPL, if applicable, is enclosed.
9. The Technical and commercial details are to be submitted separately super-scribing “Cover ‘A’ - Technical details for \_\_\_\_\_ Machine / instrument / accessory and Cover ‘B’ – Commercial details for \_\_\_\_\_ machine / instrument / accessory. **Both the covers are to be put together in one envelope and sealed properly, super-scribing the name of the machine / instrument / accessory.**

10. Proof regarding manufacturer / authorized agent, as the case may be, is enclosed.
11. Prior to submission of bids, bidders have to ensure that the instrument / equipment quoted by them is suitable for carrying out the tests as per the national / international standards mentioned in the specification.
12. Cost details are to be given in the prescribed format only. If more than one model of machine / instrument is quoted, separate sheets may be enclosed.

**Note: If the bidder fails to furnish all the relevant documents / information as mentioned in the Tender Document, the Tender will be rejected.**

