

THE SYNTHETIC & ART SILK MILLS' RESEARCH ASSOCIATION
(Linked to the Ministry of Textiles, Govt. of India)
SASMIRA, Sasmira Marg, Worli, Mumbai-400 030.
Tel: 91-22-24935351/52, Fax: 91-22-24930225
E-mail: sasmira@vsnl.com Website: www.sasmira.org

**TENDER DOCUMENT
FOR
PROCUREMENT OF MACHINES, EQUIPMENTS AND
ACCESSORIES UNDER UPGRADATION OF
CENTRE OF EXCELLENCE (COE) – AGROTECH**

Tender No.	:	COE-Agrotech/2
Date	:	10.06.2011
Total Equipments	:	7 (Seven) Nos.
Approximate Cost	:	₹ 475 lakhs

CONTENTS

Sr. No.	Subject	Page No.
I)	Introduction	1
II)	Details of Tender and Tender Notice	3
III (A)	Terms and conditions - General	4
III (B)	Terms and Conditions- Special	10
IV	Annexure I: List of instruments alongwith the specifications required	13
	Annexure II: Format for filling up of cost details	22
	Annexure III: Delivery Schedule for indigenous / imported equipment	25
	Annexure IV: Format to be filled up and submitted in the letter head of the bidder	26
	Annexure V: Undertaking for supply of goods	28
V)	Checklist to the Bidders	29
VI)	Addresses of Associate Partners of COE-Agrotech	31

Note: Interpretation of any term /word /clause lies with COE - AGROTECH

I) INTRODUCTION

1. SASMIRA is engaged in multifarious activities with the prime objective of rendering scientific and technical assistance to the textile and allied industry.

Various activities are described in brief as under:

- a. Research & Development
 - b. Human Resource Development
 - c. Testing and Evaluation of textiles and allied substrates
 - d. Technical services and consultancy
 - e. Instrumentation
 - f. Publication
 - g. Powerloom Service Centres, Bhiwandi
2. The Centre of Excellence (COE) for Agrotech has been assigned to The Synthetic and Art Silk Mills' Research Association (SASMIRA) as the lead agency jointly with other Agencies viz., The Man-made Textiles Research Association (MANTRA), Surat and Navsari Agricultural University (NAU), Navsari. The establishment and functioning of this centre started has been initiated under MOU signed on 25th August, 2008 with the Office of the Textile Commissioner. The major activities under COE are Setting up of a Demonstration Pilot Plant, creation of incubation centre, testing and accreditation of laboratory, setting up of information centre and training centre.
 3. Accordingly, SASMIRA has decided to procure new machinery and instruments for itself and for its partnering agency MANTRA to strengthen its present pilot plant set up and to broaden the spectrum of testing services to the technical textile industry in general and Agrotextile industry in particular. The various testing equipments required by these laboratories are now being procured through the current tender.

4. The tender document contains the following :

- (i) Tender Notice
- (ii) Terms and Conditions - General and Special
- (iii) Technical Specification of the items
- (iv) List of machinery, equipment, accessory being procured
- (v) Format for filling up the cost of items
- (vi) Delivery schedule for each of the items.
- (vii) Format of Undertaking for supply of goods
- (viii) Guidelines for the bidders
- (ix) Addresses of the Associate Partners

THE SYNTHETIC & ART SILK MILLS' RESEARCH ASSOCIATION
(Linked to the Ministry of Textiles, Govt. of India)
SASMIRA, Sasmira Marg, Worli, Mumbai-400 030.
Tel: 91-22-24935351/52, Fax: 91-22-24930225
E-mail: sasmira@vsnl.com Website: www.sasmira.org

II) DETAILS OF TENDER AND TENDER NOTICE

Tender in sealed cover is invited by COE AGROTECH, SASMIRA 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, number of units, their specifications, are given in **Annexure I** of this the tender document. Interpretation of the terms & conditions and other related issues in the tender would lie with SASMIRA only. Tenders can be obtained from The Synthetic & Art Silk Mills' Research Association (SASMIRA), Sasmira Marg, Worli, Mumbai – 400030. The tender document can also be downloaded from the website of SASMIRA at www.sasmira.org. One tender document is adequate even if bids are submitted for more than one item. Tender documents are available : From **10.06.2011 to 21.06.2011 upto 5.00 p.m.** **LAST DATE FOR SUBMISSION OF DULY FILLED UP SEALED TENDER AT SASMIRA, MUMBAI is 30.06.2011 upto 5.00 p.m.** On **01.07.2011** the technical bids will be opened at **11.30 a.m. in SASMIRA.** SASMIRA reserves the right to accept or reject any or all the bids either in full or any part at its discretion without assigning any reason thereof. Address for Communication: SASMIRA, Sasmira Marg, Worli, Mumbai – 400 030, Tel.: 24935351/52 Fax 24930225.

III (A) TERMS AND CONDITIONS – GENERAL

1. Tender documents shall be issued by SASMIRA at Mumbai to manufacturers / authorised agents. **SASMIRA, Mumbai 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 his bid and shall comply with various terms and conditions.**
3. All pages of tender documents shall be signed by the person authorised to file the tender.
4. The full name of the person authorised 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 tender 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. SASMIRA 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 terms & 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 3 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. 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 manufacturers and authorised agents only shall be considered.
14. Earnest Money Deposit

Tender must be accompanied by Earnest Money Deposit (EMD) as indicated in Annexure-I for each item being supplied in the form of DD/pay order in favour of SASMIRA, payable at Mumbai. 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. SASMIRA 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, trail and training.

The EMD of the unsuccessful bidder will be returned within one week from the date of opening of the technical bids.

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

16. Price & currency bid

The tender shall be filled 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, 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.

16.1 Technical details shall contain

- a) Original Tender document **duly signed** by the authorised person on all pages.
- b) Compliance to technical specifications of the equipment/item for which bids are submitted – Authorised person to indicate the **compliance of technical specifications in the respective pages** of the tender document and sign the same.
- c) **Compliance to the terms and conditions** of the tender document - Authorised person to specify, “all the above terms and conditions will be complied with” and signed in respective pages of the tender documents, where “terms and conditions” are given.
- d) Adherence to the stipulated **delivery schedule** of the equipment/item – Authorised person to specify “delivery schedule given above will be complied with” and signed in respective pages of the tender documents, where “delivery schedule of each of the items” is as given in **Annexure III**.
- e) **Proof that the bidder** is (i) either manufacturer or (ii) an authorised agent for the equipment/item for which the bid is submitted.
- f) List of organisations in India and abroad, along with Contact Person, address, Tel. No., Fax No. etc., to which **similar make/model** of the equipment were supplied.
- g) 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.
- h) 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 **30th September 2011.**
 - e. The details regarding the service centres, stocking of spares etc.,
- i) Addenda / corrigenda /clarification issued by SASMIRA before due date of tender, duly signed by the authorised person.
 - j) Descriptive leaflet/brochure giving the technical details of the machine/ equipment/ 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 requirements including space, size of the table required, power point ampere, 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 equipment/instrument for which bid is submitted from an accredited calibration laboratory or National Physical Laboratory, wherever applicable.

16.2 Commercial details shall contains

- 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 - 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**.

c) The pre installation requirement should be mentioned in the bid.

17. Validity of the tender

Rates quoted by the bidder shall be valid till **30th September 2011**, 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.

18. Opening of tender

The tender shall be opened by a Purchase Committee constituted by the Competent authority, COE - Agrotech, SASMIRA, at Mumbai, at the time, date and venue as given in the "Tender Notice".

19. Agreement

The successful bidder shall sign an Undertaking on Judicial paper worth ₹ 100.00 in the format prescribed in **Annexure V** before releasing of the Purchase order by SASMIRA. A copy of The Purchase order once received should be 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 same will be refunded after successful installation, trial and training.

20. Criterion for rejection

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

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.

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 SASMIRA are liable to be rejected.

If the validity of the tender is not upto **30th September 2011**; the tender will be rejected.

If the tender document duly signed by the authorized person on all pages is not submitted, the tender will be rejected.

SASMIRA caters to wide range of customers / stakeholders including the manufacturers/exporters. Hence, Purchase Committee may at its discretion give preferences to more popular brands of machines and instruments/accessories, which give results that are widely accepted internationally by buyers abroad and the decision of the Committee 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.

SASMIRA reserves the right to cancel items, from the list of requirement of instruments without assigning any reason thereof.

III (B) TERMS AND CONDITIONS- SPECIAL

1. Cost details are to be filled up in the prescribed format as given at **Annexure – II** for all the instrument as applicable to imported /indigenous indicating therein total CIF 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 (i) 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.
 - c) 10% 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.
4. For indigenous items, the bidder should take responsibility for delivering the equipments inside the premises of the respective laboratories of COE Agrotech at SASMIRA and its Associate partners as mentioned in the Purchase Order.
5. The suppliers of the equipment should provide adequate training for at least 2 technical personnel of the laboratory per equipment including trouble shooting etc., and making them confident of operating the equipment independently.
6. The bidder shall adhere to the delivery period of the equipment/item as committed by him as 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 cost of the equipment/item for every week of delay.
7. The delivery installation & commissioning period of the equipment / machinery as agreed to should not be extended; under normal conditions. Suitable penalty for non-execution of the order may be enforced to the extent of 1% of the cost of machinery for every week extended. In case of the delay beyond scheduled period due to some unforeseen reason, written permission is required from the Chairman, Purchase Committee, COE-Agrotech, SASMIRA, with proper justification to avoid penalty.

8. The bidder shall give warranty for at least one year in respect of items quoted.
9. During the warranty period, regular servicing/maintenance should be undertaken free of charge, including replacement of defective parts/travel cost, etc. Subsequently, servicing/maintenance should be undertaken by the authorised agency of the manufacturer / supplier as per the annual maintenance contract conditions.
10. Operation manuals, calibration procedures and other instruction manuals should be provided along with each of the equipment.
11. The bidder shall also mention the probable life expectancy of the machine / instrument / accessory under normal conditions of operation should be stated wherever applicable
12. Terms for service contract (comprehensive or non-comprehensive) after the expiry of warranty period are to be included.
13. The Test Control Systems like computer and printer, compatible to the main instrument, are to be supplied indigenously with latest configuration and licensed operating system.
14. 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.
15. 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.
16. The specifications given in this document are the minimum requirement. The bidders are free to offer equipment/instruments with better features also. However, the evaluation shall be based on the features mentioned in the tender document. If different model are quoted, the cost details may be given in separate sheet
17. Orders for the supply of items, once placed with successful bidder is non transferable and no sub-contracting is permitted. SASMIRA reserves the right to cancel the order in such event.
18. Any non-fulfillment of the stipulation given above will make the bid invalid.

19. The full payment will be released to the bidders only after completion of satisfactory performance check of the instrument/equipment.
20. In case of computer related equipment, the bidders have to quote for indigenous computer only instead of imported computers, if any.
21. The bids shall first be evaluated for their “technical responsiveness” which shall inter-alia include,
 - (i) Proof that the bidder is (i) either manufacturer or (ii) an authorized agent for the equipment/item for which the bid is submitted,
 - (ii) Compliance to technical specifications of the machinery/equipment for which the bid is submitted,
 - (iii) Adherence to the warranty period,
 - (iv) 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,
 - (v) Necessary documentary proof that the bidder has manufactured or supplied the equipment during the past 2 years along with the list of such customers and performance report of the equipment from at least 2 such customers/users for the past 2 years,
 - (vi) Details regarding the service centres, stocking of spares etc.
 - (vii) Confirmation about the supply of Certified Reference Materials/Samples for checking the performance of the testing instruments, wherever applicable.
 - (viii) Compliance to all other relevant and critical terms and conditions of the tender.
 - (ix) Validity of the tender upto **30th September 2011**.
 - (x) **If any of the above mentioned parameters are not fulfilled, the bid will be considered as technically non-responsive.**
22. The commercial details of those bidders who are technically responsive only shall be evaluated based on the following criterion :
 - (i) Total price of the equipment as CIP / CIF for imported items.
 - (ii) Total price of the indigenous items should include delivery charges up to the location (SASMIRA / MANTRA / NAVSARI)
 - (iii) AMC charges for three years after the expiry of the warranty period.

DETAILS OF ANNEXURE

Annexure I

List of equipments to be procured & EMD Value

Sr. No	Name of equipment	Place of installation	Total EMD to be paid (Amount in ₹)
1	LOI	SASMIRA, Mumbai	10,000
2	Auto flammability tester	SASMIRA, Mumbai	30,000
3	Spun bonded lab unit	SASMIRA, Mumbai	8,00,000
4	Monofilament spinning	SASMIRA, Mumbai	20,000
5	Circular weaving m/c	SASMIRA, Mumbai	10,000
6	M/c for woven PP bags/sacks	SASMIRA, Mumbai	60,000
7	Tape Manufacturing set-up: 1. Blown film manufacturing 2. Film slitting system	SASMIRA, Mumbai	10,000 10,000

COMPLIANCE STATEMENT TO SPECIFICATIONS OF INSTRUMENTS

(Compliance with specification column is to be filled up by the bidder stating **1.**
'YES/NO' as the case may be)

1. LOI Tester

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Apparatus suitable for testing critical oxygen index of rigid and flexible samples at RT	
2	Paramagnetic Oxygen analyser	Accuracy ± 0.1 %	
3	Automatic flow control	Control of oxygen level by valve	
4	Test Chimney dimensions	450 mm x 75 mm	
5	Digital display of gas temperature and Oxygen %	Present	
6	Compliance standard	ASTM D 2863/ ISO 4589/ BS 2782 Part 14-1	
7	Accessories	As required	
8	Spares	As required	

2. Auto flammability Tester

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Apparatus for measuring vertical flammability of fabrics and similar items. Automatic model with Butane burner and microswitch operated trip threads, with main frame, remote touch screen controller and software	
2	Sample holders and templates	Conforming to standard test methods of BS EN 1101, BS EN ISO 6940:1995, BS EN 6941, BS EN ISO 1102 & 1103, BS EN 532, BS EN ISO 15025:2002, BS 5438: 1989	
3	Burner flame	Conforming to BS EN 13772, BS EN 1101, BS EN ISO 6940:1995, BS EN 6941, BS EN ISO 1102 & 1103, BS EN 532, BS EN ISO 15025:2002, BS 5438: 1989	
4	Radiator assembly	Conforming to BS EN 13772	
5	Accessories	As required	
6	Spares	As required	

3. Spun – bonded Nonwoven machine

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Spun bonding machine consisting of blending and feeding to melt extruder, filter, spinning, cooling, web forming, thermal bonding, cutting and winding.	
2	Feed material Polymer chip with additives like stabilizers, colour pigments, etc	Capable of processing major melt-spinnable polymers	
3	End product Web width Single fibre denier Web weight	Max. 1600 mm 1.0 - 2.5 dpf 10 - 150 g/sq. m	
4	Extruder Max. extruder capacity L/D ratio No. of heating zones	300 kg/hr 30 Max. 7	
5	Spinning Melt pre-filter Metering capacity Heat-resistant SS Spin pack Heating zones Monomer suction device	Upto 40 micron 100 cc/hr or above Present Max. 15 Max. suction speed 15 m/s	

6	Cooling and drawing	Air cooled chamber	
7	Web forming unit Collecting apron width Air penetrating ratio for web forming belt	Max. 1600 mm 7000-8000 cu.m/hr/sq.m	
8	Thermal bonding Type Max. temperature Working width	Roller 260 deg. C Max. 1600 mm	
9	Cutting Type Minimum width	Slitting rollers Min. 300 mm	
10	Winding Max. width Max. speed	1600 mm 10 - 150 m/min	
11	Accessories	As required	
12	Spares	As required	

4. Monofilament extrusion plant

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Machine for extruding monofilaments of all melt spinnable polymers consisting of extruder, spinning, quenching and winding	
2	Extruder L/D ratio Screw speed Compression ratio	30 10- 100 rpm 3:1	
3	Spinning Monofilament denier No. of holes per die	300 – 600 D 8	
4	Quenching Type	SS Water tank	
5	Stretching	Pneumatically controlled gadget rollers	
6	Winding No. of winding stations	8	
5	Accessories	As required	
6	Spares	As required	

5. Circular Weaving Machine:

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Machine suitable for weaving tubular or flat fabrics of PP/HDPE in the Working width: 35- 56 cm	
2	Warp insertion	Creel feed for warp bobbins maximum capacity 512 with intermediate rollers for smooth feeding of yarns Warp break detector	
3	Weft insertion	4 shuttle insertion system with brake arrangement Desired weft insertion: 720 picks / minute Weft break detecting device	
4	Leno attachment	Should be provided additionally	
5	Reed	Circular reed with maximum 600 dents capacity	
6	Variable weft density	Weft density: 22 – 67 / 10 cm	
7	Fabric take -up	Surface winder for tubular or flat fabric	
8	Accessories	As required	
9	Spares	As required	

6. Converting Machine for Woven PP Bags/Sacks:

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	PP / HDPE tubular woven fabrics bags with folding, sewing and stacking Width of unwinding fabric: 300 – 800 mm	
2	Feeding unit	Pneumatic loading and replacement of circular woven fabric roll of width 300- 800 mm and Max diameter of fabric roll: 1300 mm Tension control device for feed fabric Edge position control for fabric roll Accumulator unit	
3	Cutting unit	Print mark sensor to position cutter in line with print mark Thermal Cutter suitable for cutting fabrics in 60-100 g/sq.m, with proper temperature sensor Cutting length accuracy $\pm 1\%$	
4	Sewing unit	Single / double stitch with thread break/ exhaustion sensor	
5	Counting and stacking unit	Collects the delivered bags and stacks upto minimum 25 bags	
6	Production capacity	Maximum 40 bags/min	

7	Accessories	As required	
8	Spares	As required	

7. Tape Yarn Manufacturing Set-up:

7.1 Blown Film manufacturing

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Blown film manufacturing for HDPE / LDPE / PP	
2.	Film thickness	10 – 100 $\mu \pm 0.01 \mu$	
3.	Oupput	Upto 60 Kg / hr	
4.	Film Width	Max 650 mm	
5.	Extrusion details	Screw diameter – 40 mm L/D : 26:1 Heating zones: 2 Nos Cooling zones: 1 No	
6.	Film Die head details	Type: bottom feed spiral Die size: 90 mm max Heating zones: 3 Nos Filter: 1 No.	
7.	Cooling system	Aerodynamic cooling Type: Single lip low pressure and high air velocity design	
8.	Vertical takeoff tower unit	Chrome plated Nip roller: 140 mm dia x 710 mm length Rubber roller: 155 mm dia x 700 mm length Speed: upto 100 m/min Bubble guides: 2 Nos.	

		Height of tower : max 3.8 m from floor	
9.	Winder	Surface winder with wrinkle removing arrangement consisting of one winding shaft driven by one drum Speed: upto 100 mts/min. Width of drum roller: 700 mm Roll Diameter: 1000 mm per 100 kg	

7.2 Film slitting system for feeding Raschel warp knitting machine

Sr. No	Specifications	Requirements	Compliance with specifications (Y/N)
1	Basic features	Slitting of blown film into tape yarn to feed Raschel Warp Knitting machine, RS 4N, E12 gauge	
2	Slitting width, with 2 feed film rolls	1200 mm per zone	
3	Tape width	1.5 – 3.5 mm	
4	No. of slitting units	3	

Annexure II

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

Name of the Instrument:

S.No.	Cost Details for foreign components	Cost with currency
i)	Total CIP / CIF cost (with detailed break-up)	
ii)	AMC details: - 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 breakdown visits)	1 st Year: 2 nd Year: 3 rd Year:
	Total	
Delivery schedule of the equipment:-		_____months

Part 2: Cost details of Indigenous equipments/instruments

Name of the Instrument :		
S.No.	Cost Details of indigenous items	Cost in Rs.
i)	Total Cost (with detailed break-up)	
ii)	AMC details (including the accessories):- (a) AMC rate comprehensive/non-comprehensive cost for the next 3 years, after the expiry of warranty period	1 st Year: 2 nd Year: 3 rd Year:
	Total	
Delivery schedule of the equipment:-		_____months

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 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 instruments**
- 2. Octroi, if paid , will be reimbursed separately at actuals**

DELIVERY SCHEDULE OF EQUIPMENT

Sr. No	Equipment	Delivery Schedule from the date of acceptance of Purchase Order – maximum
1.	Indigenous equipments	1 – 2 Months from the date of issuing Purchase Order
2.	Imported equipments	3 – 4 Months from the date of issuing Purchase Order

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

To,

**The Executive Director,
The Synthetic & Art Silk Mills' Research Association
(SASMIRA),
Sasmira Marg, Worli,
Mumbai – 400 030.**

Sub: Supply of machine, instrument and/or accessories to the laboratories of COE Agrotech, SASMIRA at SASMIRA or its Partnering Agencies as per the specifications and quantities mentioned in the tender.

Dear Sir,

- a) Having examined the conditions of Tender and Specifications of the machine, instruments and/or accessory, 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-I in the form of Bank Demand Draft / Pay Order in favour of 'SASMIRA', payable at Mumbai 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 this tender 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 periods mentioned in **Annexure** from receipt of the order from the COE SASMIRA in writing.
- f) We agree to supply consumable spare parts and replacement of the broken/damaged/non-compatible parts during the guarantee / warrantee period, free of charge, as per the terms & conditions.

- g) The probable life expectancy of the machine / instrument / accessory under normal conditions of operation should be stated wherever applicable.
- h) We agree to train the personnel of laboratories 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 100.00 in the format prescribed in Annexure before releasing of the Purchase order by SASMIRA
 - 2. Any other statutory obligation, if any, prior to commencement of supply of machinery.
- j) We agree for the validity of our tender upto **30th September 2011**
- k) The bidders shall use only tender documents as issued for submitting his bid and shall comply to 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 SASMIRA.
- 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
to tenderer**

**Signature dated
Designation / Capacity
Name**

Tender Reference No.: _____ Dated _____

UNDERTAKING / DECLARATION

To,

**The Executive Director,
The Synthetic & Art Silk Mills' Research Association
(SASMIRA),
Sasmira Marg, Worli,
Mumbai – 400 030.**

Dear Sir,

- i. We, _____ (Bidder's Name & Address) undertake to supply the item _____ (Name of Machine) as per the detailed specification of Tender and honour the terms and conditions of the tender document.
- ii. We undertake to supply the equipment within the stipulated period of time and accept the penalty clause imposed by SASMIRA 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 (normal operation, trouble shooting) to two technical personnel of the laboratory on the supplied equipment and making them confident of operating the equipment independently.
- v. We agree that the full payment will be released to us only after completion of satisfactory installation, trial and training on the said machine / instrument.

Dated at _____ this _____ day of _____ 2011.

Authorised Signatory

Signature

Name:

Designation:

Name & Address of the Company:

Seal of the Company:

(To be submitted by the bidder on ₹ 100/- Stamp Paper)

V) CHECK LIST TO THE BIDDERS

1. Get all the clarification regarding terms and conditions, specification etc during the pre bid meeting or by writing to the Executive Director, SASMIRA, Mumbai, prior to submission of bids.
2. The original tender document downloaded in full has to be submitted along with the technical details duly signed on all the pages.
3. Fill up the relevant compliance columns in the specifications given for the instruments quoted by stating 'YES' or 'NO'. 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 instrument as mentioned in the Tender Document are to be enclosed. Copies of this DD are to be kept in Technical Bids.
5. A covering letter duly signed by the authorized person as per the specimen given at **Annexure IV** of the tender document.
6. Ensure that User certificates from atleast two users, on their letterhead stating that the performance of similar make and model supplied to them is satisfactorily, is enclosed
7. Descriptive leaflet / brochure of the equipment quoted are enclosed along with the technical details.
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 or NPL, if applicable, is enclosed.
9. The Technical and commercial details are to be submitted separately superscribing "Cover 'A' – Technical details for ----- machine / instrument / accessory or Cover 'B' – Commercial details for ----- machine / instrument / accessory. Both the details are to be put together in one envelope and sealed properly, superscribing the name of the machine / instrument / accessories.
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 equipment quoted by them is suitable for testing as per the national / international standard mentioned in the specification.

12. Cost details are to be given in the prescribed format only. If more than one model of instrument is quoted, separate sheet may be enclosed. may be given

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

VI) ADDRESSES OF ASSOCIATE PARTNERS OF COE-AGROTECH

1. Man-made Textile Research Association
(MANTRA)
Near Millennium Textile Market
Telephone Exchange
Ring Road
Surat – 395 002
Gujarat
Tel.: +91-261-2323211, 2337062
Fax: +91-261-2322500
E-mail: director@mantrasurat.org
Website: www.mantrasurat.org

2. Navsari Agricultural University
(NAU)
Eru Char Rasta
Navsari – 396 450
Gujarat
Tel.: +91-2637-282823
Fax: +91-2637-293804
E-mail: registrarnau@yahoo.co.in
Website: www.nau.in
