

**THE SYNTHETIC & ART SILK MILLS' RESEARCH ASSOCIATION**

**(Approved Body of the Ministry of Textiles, Govt. of India)**

**SASMIRA, Sasmira Marg, Worli, Mumbai-400 030.**

**Tel: 91-22-24935351/52**

**Website: [www.sasmira.org](http://www.sasmira.org)**

**E-mail: [ed@sasmira.org](mailto:ed@sasmira.org)**

**TENDER DOCUMENT**

**FOR**

**SUPPLY OF**

- A. SINGLE END COATING/SIZING MACHINE – 1No.**
- B. SINGLE END SAMPLE WARPING MACHINE - 1 No.**
- C. SAMPLE WEAVING MACHINE – 1No.**

<b>Tender No.</b>	<b>:</b>	<b>SASMIRA/MOT/NTTM-PROJECT-02/2023</b>
<b>Date</b>	<b>:</b>	<b>28/11/2023</b>

## I) INTRODUCTION

1. SASMIRA is engaged in multifarious activities with the prime objective of rendering scientific and technical assistance to the textile and allied industries. 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 Centers, Bhiwandi
2. SASMIRA is currently working on a Ministry of Textiles, GOI funded R&D project under National Technical Textiles Mission (NTTM) on 'Development of High Strength Cost Effective Seamless Technical Circular Fabric from Heavy Denier Multifilament Yarns for Geotechnical Applications'
3. Accordingly, SASMIRA has decided to procure the required one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' through the current tendering process.
4. The tender document contains the following:
  - (i) Tender Notice
  - (ii) Terms and Conditions - General and Special
  - (iii) Technical Specification of the items being tendered.
  - (iv) Format for filling up the cost of item
  - (v) Delivery schedule for the items.
  - (vi) Format of Undertaking for supply of goods
  - (vii) Guidelines for the bidders

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**Tel: 91-22-24935351/52**  
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**II) TENDER NOTICE**

Tender is invited in sealed cover by SASMIRA from manufacturers/ authorized dealers for supply of one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and One number '**Sample Weaving Machine**' for SASMIRA's Project on "Development of High Strength Cost Effective Seamless Technical Circular Fabric From Heavy Denier Multifilament Yarns for Geotechnical Applications" under National Technical Textiles Mission (NTTM) scheme of Ministry of Textiles, Government of India . Tender 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](http://www.sasmira.org). Interpretation of the terms & conditions in the tender would lie with SASMIRA only. Partial / Part bidding is not allowed. Tender document is available from 28/11/2023, 11.00 AM to 19/12/2023 up to 3.00 PM. LAST DATE FOR SUBMISSION OF DULY FILLED AND SEALED TENDER AT SASMIRA, MUMBAI is 19/12/2023 up to 3.00 PM. The date of Technical Bid opening will be conveyed to the bidders as well as on our website. The financial bid opening date will be communicated once the technical scrutiny of the Tender Document is complete. SASMIRA reserves the rights 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: The Senior Director, SASMIRA, Sasmira Marg, Worli, Mumbai – 400 030, Tel.: 24935351/52, Email- [ed@sasmira.org](mailto:ed@sasmira.org) / [pilotplant@sasmira.org](mailto:pilotplant@sasmira.org)

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**\*Refer Annexure –I for details of Components**

## SCHEDULE FOR INVITATION OF TENDER

### SUPPLY OF

- A. SINGLE END COATING/SIZING MACHINE – 1No.
- B. SINGLE END SAMPLE WARPING MACHINE - 1 No.
- C. SAMPLE WEAVING MACHINE – 1No.

<b>Issue of Tender</b>	From 28/11/2023 at 11.00 am
<b>Tender Due Date</b>	19/12/2023 upto 3.00 pm.
<b>Technical Proposal Opening Date &amp; Time:</b>	Date of Opening will be conveyed to the bidders
<b>Price Offer Opening Date &amp; Time:</b>	Will be communicated once the technical scrutiny of the tender document will be completed.
<b>Department Name/Authority Name</b>	The Senior Director, The Synthetic & Art Silk Mills' Research Association (SASMIRA), Sasmira Marg, Worli, Mumbai - 400030 Tel: 022-24935351, Fax: 022-24930225 Email: <a href="mailto:ed@sasmira.org">ed@sasmira.org</a> / <a href="mailto:pilotplant@sasmira.org">pilotplant@sasmira.org</a>
<b>Tender Submission Address</b>	The Senior Director, The Synthetic & Art Silk Mills' Research Association (SASMIRA), Sasmira Marg, Worli, Mumbai - 400030
<b>Price Offer</b>	The agency shall submit their best possible price offer in given format as per <b>Annexure-II</b> .

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

1. Tender documents shall be issued by SASMIRA, Mumbai to manufacturers / authorized dealers/distributors/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 their bid and shall comply with various terms and conditions.**
3. All pages of tender documents shall be signed by the person authorized to fill the tender.
4. The full name of the person authorized to fill the tender, designation, current and main office address, Phone No., & E-mail address shall be indicated in the tender.
5. Tenders sent through E-mail 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/she has read all terms & conditions, and has made himself/herself aware of the scope and specifications of the item/s 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/herself before tendering as to the correctness and sufficiency of his tender and about the rates quoted by him/her and cover all his/her obligations under the tender.

13. Bids submitted by manufacturers/ authorized dealers or suppliers only shall be considered.

14. Earnest Money Deposit

Tender must be accompanied by **Earnest Money Deposit (EMD) of Rs. 5,00,000.00 (Rupees Five Lakhs Only)** as indicated in **Annexure-I** for the item being supplied in the form of DD/pay order in favor of “The Synthetic & Art Silk Mills’ Research Association”, payable at Mumbai. EMD shall be paid in Indian currency only.

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

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

15. Performance Security

After the award of work to the successful bidder, the supplier shall be required to submit the performance security in the form of irrevocable bank guarantee in the prescribed format (**Annexure VII**) issued by any Nationalized bank or account payee Demand Draft for an amount equal to the 5% of order value, within 60 days of issue of Purchase Order and it will be kept valid for a period of 60 days beyond the date of completion of warranty period. Warranty Period will be commenced from the date of the installation and training of the supplied item.

The EMD of the successful bidder will be returned on receipt of Performance Security.

16. If a firm quotes NIL Charges/Consideration, then the bid will be considered as unresponsive and will not be considered.

17. Authority of signing

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

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 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 bid.

18. **The BID:** The bid shall be submitted in a sealed envelope containing two separate envelopes for i) The Technical Bid along with the EMD and ii) the Commercial Bid / Price Bid.

Bidder’s Signature and Seal

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 later shall prevail.

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

### **18.1 Technical Bid shall contain**

- a) Original Tender document **duly signed** by the authorized person on all pages.
- b) Compliance to technical specification of the machine/equipment/item/service for which bid is submitted – Authorized 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 - Authorized 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 similar service components /items – Authorized 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) The bidder should be manufacturer/ authorized dealer/distributor/agent or suppliers of the machine/equipment/item/service with ensured warranty / guarantee for services for which the bid is submitted.
- f) List of organizations in India and abroad, along with Contact Person, address, Tel. No., Email. etc., to which similar Machines/equipments/items/services were supplied.
- g) Compliance that the bidder has manufactured or supplied similar equipment/ service in the last two years.
- h) Covering letter, in the letter head of the bidder stating (**Annexure IV**):
  - a. That the minimum **warranty period is of one year**.
  - b. That the bid **conforms to the terms and conditions** of the tender
  - c. Confirmation that the quoted rates are valid till **31/03/2024**.
  - d. The details regarding the service centers, stocking of spares etc.,

- i) Addenda / corrigenda /clarification issued by SASMIRA before due date of tender, duly signed by the authorized person.
- j) Descriptive leaflet/brochure giving the technical details of the machines/ equipments/ components / 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 components / accessory under normal conditions of operation should be stated wherever applicable.
- m) Details of pre-installation requirements including space, power requirements, earthing requirements, dust free atmosphere, air conditioning etc.
- n) Power of attorney authorizing the person who has filled the tender, if applicable.

## 18.2 Commercial Bid shall contain:

- a) Cost of individual components / Total cost of the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' 'and one number '**Sample Weaving Machine**' along with any spares required for the functioning of the equipment, including the test control system, 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.  
Separate costing for imported / indigenous components may be quoted.
- b) Annual Comprehensive 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.

## 19. Validity of the tender

Rates quoted by the bidder shall be valid till **31/03/2024**, 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/she is called upon to do so on mutual agreement / negotiations.

## 20. Opening of tender

Bidder's Signature and Seal



The tender shall be opened by a Purchase Committee constituted by the competent authority of SASMIRA, at Mumbai, at the time, date and venue as given in the “Tender Notice”.

21. Negotiation clause

Purchase Committee, SASMIRA, may negotiate final cost of the supply with the lowest bidder. SASMIRA does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason.

22. Agreement

The successful bidder shall sign an Undertaking on Judicial paper worth Rs. 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 receiving the Performance Security

23. If a bidder whose tender is accepted fails to undertake the work as per terms of the contract within 2weeks to be reckoned from the date of issue of award letter (Purchase order), the EMD deposited will be forfeited

23. 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 bids shall not be opened / 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 up to **31/03/2024**; 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.

Before submission of the tender, the prospective bidders are expected to examine technical specifications of the ‘**Single End Coating/Sizing Machine**’, ‘**Single End**

**Sample Warping Machine’ and ‘Sample Weaving Machine’**and terms and conditions 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 requirements of items without assigning any reason thereof.

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

1. Being a customized requirement for development of research project envisaged Technical Textile Product, to ascertain the technical competence of the machines/equipments/items, Trials will be mandatory before opening the commercial bid of the technically qualified bidders. The bidder should arrange the trial in India only within the two weeks from the date of opening of Technical Bid. The trials should be free of cost excluding raw material (yarn), travel and accommodation. The Machine performance and technical specifications submitted in the technical bid; will be evaluated by the SASMIRA at its sole discretion. Only after satisfactory results commercial bid will be opened. Purchase Committee may at its discretion give preferences to more popular brands of products, which give results that, are widely accepted nationally and internationally by buyers and the decision of the Committee will be final.
2. Cost details are to be filled up in the prescribed format as given at **Annexure – II** for the components as applicable to imported /indigenous indicating therein total CIF charges and delivery at SASMIRA.
3. All items / components required for Supply one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' are to be specified and quoted.
4. The terms of payment in case of imported supply of Components shall be 100% irrevocable Letter of Credit (LC) or Wire transfer after delivery and installation of one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' at SASMIRA.
5. The terms of payment in case of indigenous supply shall be:
  - a) **30%** of the total price of the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' will be paid as advance on receipt of acceptance of purchase order, and against a Bank Guarantee (BG) in favor of "The Synthetic & Art Silk Mills' Research Association" of like amount. The format of BG is enclosed in **Annexure VI**.
  - b) **60%** of the ex-works price of one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' will be paid against physical inspection / Performa invoice at delivery of the equipment in good condition, at SASMIRA.
  - c) **10%** remaining amount plus packing, freight and insurance charges will be paid after successful commissioning of the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**', demonstration of satisfactory performance and imparting training to the technical personnel of the laboratory concerned.

6. The bidder should take responsibility for delivering the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' inside the premises of the SASMIRA as mentioned in the Purchase Order.
7. The suppliers of the machines should provide adequate training for at least 2 technical personnel of the SASMIRA R&D team including trouble shooting etc., and making them confident of operating the system independently.
8. The bidder shall adhere to the delivery period of the 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 components/item or total supply for every week of delay.
9. The delivery, installation & commissioning period of the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' 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 SASMIRA, with proper justification to avoid penalty.
10. The bidder shall give warranty/guarantee for at least one year in respect of all items quoted.
11. During the warranty/guarantee 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 authorized agency of the manufacturer / supplier as per the annual maintenance contract conditions.
12. Operation manuals, calibration procedures and other instruction manuals should be provided along with each of the components, wherever applicable.
13. The bidder shall also mention the probable life expectancy of the supplied one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' under normal conditions of operation, wherever applicable
14. Terms for service contract (comprehensive or non-comprehensive) after the expiry of warranty period are to be included.
15. In case of short supply or wrong supply of any components of the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**', its parts or accessories or supply of items in damaged conditions, it is the responsibility of the bidder to arrange for the supply of the required items in working condition as per the purchase order, within a reasonable time. Any additional expenditure, whatsoever, for the above will be borne by the bidder only.

16. The specifications given in this document are the minimum requirement. The bidders are free to supply the one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**' with better features also. However, the evaluation shall be based on the features mentioned in the tender document. If different model is quoted, the cost details may be given in separate sheet
17. Orders for the supply of items, once placed with successful bidder is nontransferable and **sub-contracting is not 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 supplied one number '**Single End Coating/Sizing Machine**', one number '**Single End Sample Warping Machine**' and one number '**Sample Weaving Machine**'.
20. In case of computer related components, 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 a manufacturer/supplier/dealer/distributor for the Machine/components / items with ensured warranty/guarantee of services for which the bid is submitted,
ii.	Compliance to technical specifications of the one number ' <b>Single End Coating/Sizing Machine</b> ', one number ' <b>Single End Sample Warping Machine</b> ' and one number ' <b>Sample Weaving Machine</b> ' for which the bid is submitted,
iii.	Adherence to the warranty/guarantee period,
iv.	Necessary documentary proof that the bidder has manufactured or supplied the Machine/components / items services as required in one number ' <b>Single End Coating/Sizing Machine</b> ', one number ' <b>Single End Sample Warping Machine</b> ' and one number ' <b>Sample Weaving Machine</b> ' in the last two years along with the list of such customers and performance reports of the services for last two years from at least two customers / users.
v.	Details regarding the services, stocking of spares etc.
vi.	Compliance to all other relevant and critical terms and conditions of the tender,
vii.	Validity of the tender up to <b>31/03/2024</b> ,
viii.	<b>If any of the above-mentioned parameters are not fulfilled, the bid will be considered as technically non-responsive.</b>

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

- (i) Total price as CIP / CIF and delivery at SASMIRA for imported items.

Bidder's Signature and Seal

- (ii) Total price of the indigenous items should include delivery charges up to the location (SASMIRA)
- (iii) CMC charges for three years after the expiry of the warranty period.

#### **IV: DETAILS OF ANNEXURE**

#### **Annexure: I**

##### **Technical specifications of**

**A] Single End Coating/Sizing Machine – 1No.**

**B] Single End Sample Warping Machine – 1No.**

**C] Sample Weaving Machine – 1No.**

And EMD Value is as follows:

**Earnest Deposit Money (EMD): Rs. 5, 00,000.00 (Indian Rupees Five Lakhs Only)**

##### **COMPLIANCE STATEMENT TO SPECIFICATIONS**

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

<b>A. Single End Coating/Sizing Machine</b>			
<b>Sr. No</b>	<b>Specifications</b>	<b>Requirements</b>	<b>Compliance with specifications (Y/N)</b>
1.	Yarn Type:	Suitable for synthetic filament yarns	
2.	No. of Drums	Total 2	
3.	Machine Speed	200-250 Meters per minute	
4.	Temperature	Up to 70° C	
5.	Drying Type	Electric	
6.	Size Squeezing System	Sponge Type	
7.	Winding Type	Suitable for filament yarns	
8.	Size Tank with circulating pump (For Common sizes)	Essential	
9.	Separate Size Tray for each winding position	Essential	
10.	Size Tank Temperature control	Up to 65° C	
11.	Comprehensive Annual Maintenance contract	3 Years	
12.	Essential consumable spare parts	Required	
13.	Installation / commissioning/ Training	Required	
14.	Any other requirement, concerning operational parameters of system to be considered as and when required. (Dust free atmosphere, air-conditioning, Humidification unit,		

Bidder's Signature and Seal

	networking, computer systems etc.)		
<b>B. Single End Sample Warping Machine</b>			
<b>Sr. No</b>	<b>Specifications</b>	<b>Requirements</b>	<b>Compliance with specifications (Y/N)</b>
1	Yarn Type:	Suitable Synthetic Filament yarns	
2	Drum Circumference	2200-2500 mm	
3	Warping width	500 mm (20 inches)	
4	Warping length	5 to 7.5 meters	
5.	Yarn Range	40-1000 Denier	
6.	Warping Speed	200-300 meters per minute	
7.	Beaming Speed	8-10 meters per minute	
8.	Number of feeders	8	
9.	Maximum Beam Pipe Flange Diameter	120 mm	
10.	Maximum Beam Barrel Diameter	60 mm	
11.	Pattern Selection	Automatic	
12.	Beam Tensioning	Pneumatic Type	
13.	Creel Type	Stationary with stop motion	
14.	Belt Traverse	Servo Type	
15.	Yarn Selector	Pneumatic Controlled	
16.	Leasing Facility	Pneumatic controlled	
17.	Easy operation with HMI (Human Machine Interface)	Essential	
18.	Beaming Device	Integrated with main machine	
19.	Comprehensive Annual Maintenance contract	3 Years	
20.	Essential consumable spare parts	Required	
21.	Installation / commissioning/ Training	Required	
22.	Any other requirement, concerning operational parameters of system to be considered as and when required. (Dust free atmosphere, air-conditioning, Humidification unit, networking, computer systems etc.)		
<b>C. Sample Weaving Machine</b>			



1.	Yarn Type:	Weaving of warp yarns prepared on above single end warping machine	
2.	Working width	500 mm (20 inches)	
3.	Machine Speed	40-45 PPM	
4.	Beat Up	Servo Motor controlled	
5.	Number of shafts	20	
6.	Shedding System	Electronically controlled pneumatic system	
7.	Let off	Electronically Controlled	
8.	Take up	Electronically Controlled	
9.	Weft Selector	8 number with electronic control (Motor Driven)	
10.	Weft Insertion	Rapier Type	
11.	Weft Break Sensor	Essential	
12.	Weft Creel	Stationary type integrated with the main machine	
13.	Weft Tension Assembly	Essential	
14.	Catch Cord Assembly	Essential	
15.	Yarn Cutter	Essential	
16.	Auxiliary selvedge cutter	Essential	
17.	Facility of full width Temples	Essential	
18.	Warp tension control	Electronically controlled	
19.	Weft Density	Electronically controlled	
20.	Variable Density Minimum 4 No.s	Essential	
21.	Pick Density	10- 300 PPI	
22.	Electronic Fault Diagnosis Display	Essential	
23.	Grams per Square meter	300-350	
24.	Extra Beam Pipe	4 No's	
25.	Stand for Beam Pipe & Flat reed	1 Set	
26.	Drawing-in stand	1 Set	
27.	Beam Gaiting Trolley	1 No.	
28.	Heald Frames (other than included with the machine)	10	
29.	Heald Wires (other than included with the machine)	5000	
30.	Comprehensive Annual Maintenance contract	3 Years	

Bidder's Signature and Seal

31.	Essential consumable spare parts	Required	
32.	Installation / commissioning/ Training	Required	
33.	Any other requirement, concerning operational parameters of system to be considered as and when required. (dust free atmosphere, air-conditioning, Humidification unit, Computer Systems etc.)		

**FORMAT FOR COST DETAILS**

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

**Note: All the cost particulars should be furnished either in Indian Rupees or Foreign Currency. If more than one component/item is quoted, use separate sheets**

**Part 1:** Cost details for Supply of one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine'

<b>S. No.</b>	<b>Cost Details for Foreign components</b>	<b>Cost with currency</b>
i)	Total CIP / CIF cost and delivery cost at SASMIRA	
ii)	Comprehensive Annual Maintenance contract (CMC) details for next 3 years after expiry of warranty/guarantee period including accessories (Minimum Two preventive and one breakdown visits per year)	1 <sup>st</sup> Year: 2 <sup>nd</sup> Year: 3 <sup>rd</sup> Year:
	Total	
<b>Delivery schedule of the equipment: -</b>		<b>6 Months</b>

**Part 2:** Cost details of Indigenous Supply of one number ‘Single End Coating/Sizing Machine’, one number ‘Single End Sample Warping Machine’ and one number ‘Sample Weaving Machine’

<b>A. Single End Coating/Sizing Machine</b>			
<b>Sr. No</b>	<b>Specifications</b>	<b>Requirements</b>	<b>Cost Details</b>
1.	Yarn Type:	Suitable for synthetic filament yarns	
2.	No. of Drums	Total 2	
3.	Machine Speed	200-250 Meters per minute	
4.	Temperature	Up to 70° C	
5.	Drying Type	Electric	
6.	Size Squeezing System	Sponge Type	
7.	Winding Type	Suitable for filament yarns	
8.	Size Tank with circulating pump (For Common sizes)	Essential	
9.	Separate Size Tray for each winding position	Essential	
10.	Size Tank Temperature control	Up to 65° C	
11.	Comprehensive Annual Maintenance contract	3 Years	
12.	Essential consumable spare parts	Required	
13.	Installation / commissioning/ Training	Required	
14.	Any other requirement, concerning operational parameters of system to be considered as and when required. (Dust free atmosphere, air-conditioning, Humidification unit, networking, computer systems etc.)		
<b>B. Single End Sample Warping Machine</b>			
<b>Sr. No</b>	<b>Specifications</b>	<b>Requirements</b>	<b>Cost Details</b>
1	Yarn Type:	Suitable Synthetic Filament yarns	
2	Drum Circumference	2200-2500 mm	
3	Warping width	500 mm (20 inches)	
4	Warping length	5 to 7.5 meters	

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5.	Yarn Range	40-1000 Denier	
6.	Warping Speed	200-300 meters per minute	
7.	Beaming Speed	8-10 meters per minute	
8.	Number of feeders	8	
9.	Maximum Beam Pipe Flange Diameter	120 mm	
10.	Maximum Beam Barrel Diameter	60 mm	
11.	Pattern Selection	Automatic	
12.	Beam Tensioning	Pneumatic Type	
13.	Creel Type	Stationary with stop motion	
14.	Belt Traverse	Servo Type	
15.	Yarn Selector	Pneumatic Controlled	
16.	Leasing Facility	Pneumatic controlled	
17.	Easy operation with HMI (Human Machine Interface)	Essential	
18.	Beaming Device	Integrated with main machine	
19.	Comprehensive Annual Maintenance contract	3 Years	
20.	Essential consumable spare parts	Required	
21.	Installation / commissioning/ Training	Required	
22.	Any other requirement, concerning operational parameters of system to be considered as and when required. (Dust free atmosphere, air-conditioning, Humidification unit, networking, computer systems etc.)		

### **C. Sample Weaving Machine**

1.	Yarn Type:	Weaving of warp yarns prepared on above single end warping machine	<b>Cost Details</b>
2.	Working width	500 mm (20 inches)	
3.	Machine Speed	40-45 PPM	
4.	Beat Up	Servo Motor controlled	
5.	Number of shafts	20	
6.	Shedding System	Electronically controlled pneumatic system	
7.	Let off	Electronically Controlled	
8.	Take up	Electronically Controlled	

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9.	Weft Selector	8 number with electronic control (Motor Driven)	
10.	Weft Insertion	Rapier Type	
11.	Weft Break Sensor	Essential	
12.	Weft Creel	Stationary type integrated with the main machine	
13.	Weft Tension Assembly	Essential	
14.	Catch Cord Assembly	Essential	
15.	Yarn Cutter	Essential	
16.	Auxiliary selvage cutter	Essential	
17.	Facility of full width Temples	Essential	
18.	Warp tension control	Electronically controlled	
19.	Weft Density	Electronically controlled	
20.	Variable Density Minimum 4 No.s	Essential	
21.	Pick Density	10- 300 PPI	
22.	Electronic Fault Diagnosis Display	Essential	
23.	Grams per Square meter	300-350	
24.	Extra Beam Pipe	4 No's	
25.	Stand for Beam Pipe & Flat reed	1 Set	
26.	Drawing-in stand	1 Set	
27.	Beam Gaiting Trolley	1 No.	
28.	Heald Frames (other than included with the machine)	10	
29.	Heald Wires (other than included with the machine)	5000	
30.	Comprehensive Annual Maintenance contract	3 Years	
31.	Essential consumable spare parts	Required	
32.	Installation / commissioning / Training	Required	
33.	Any other requirement, concerning operational parameters of system to be considered as and when required. (dust free atmosphere, air-conditioning, Humidification unit, Computer Systems etc.)		

<b>TOTAL COST (inclusive of taxes, freight and other statutory payments, if any)</b>	
<b>AMC details for next three years after expiry of warranty Period (in INR)</b> 1 <sup>st</sup> Year: 2 <sup>nd</sup> Year: 3 <sup>rd</sup> Year:	
<b>Delivery Schedule of the Supply of entire system, commissioning, training : 6 Months</b>	

<b>Sr. No.</b>	<b>Details of Requirement for Opening L/C.(for imported items only)</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 supply**

**A| Delivery schedule of Supply of one number ‘Single End Coating/Sizing Machine’, one number ‘Single End Sample Warping Machine’ and one number ‘Sample Weaving Machine’**

<b>Sr. No</b>	<b>Equipment</b>	<b>Delivery Schedule from the date of acceptance of Purchase Order – maximum</b>
1.	<b>Indigenous</b> – One number ‘Single End Coating/Sizing Machine’, one number ‘Single End Sample Warping Machine’ and one number ‘Sample Weaving Machine’	6 Months from the date of issuing Purchase Order
2.	<b>Imported</b> – One number ‘Single End Coating/Sizing Machine’, one number ‘Single End Sample Warping Machine’ and one number ‘Sample Weaving Machine’	6 Months from the date of issuing Purchase Order



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

To,

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

**Sub: Supply of one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine' to SASMIRA as per the specifications and quantities mentioned in the tender.**

Dear Sir,

- a) Having examined the conditions of Tender and Specifications of the equipment and/or accessory, we, the undersigned, offer to supply one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine', in the **Annexure 1** 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 favor of 'The Synthetic and Art Silk Mills' Research Association', 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 one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine' as mentioned in the tender within the specified periods mentioned in **Annexure-III** from receipt of the order from the 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 components under normal conditions of operation has been stated wherever applicable.

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- h) We agree to train the personnel of SASMIRA R&D 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 Rs100.00 in the format prescribed in **Annexure V** before releasing of the Purchase order by SASMIRA
  - 2. Any other statutory obligation, if any, prior to commencement of supply of system.
- j) We agree for the validity of our tender up to **31/03/2024**.
- l) Unless and until a formal Agreement/order is prepared and issued, this tender together with our 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 and may negotiate the total cost with the lowest bidder.
- n) We agree to make a presentation of the ‘Single End Coating/Sizing Machine’, ‘Single End Sample Warping Machine’ and ‘Sample Weaving Machine’ 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**

Bidder's Signature and Seal

**Tender Reference No.:** \_\_\_\_\_ **Dated** \_\_\_\_\_

**UNDERTAKING / DECLARATION**

**To,**

**The Senior 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 one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine' as per the detailed specification of Tender and honor the terms and conditions of the tender document.
- ii. We undertake to Supply one number 'Single End Coating/Sizing Machine', one number 'Single End Sample Warping Machine' and one number 'Sample Weaving Machine' 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/guarantee period, regular servicing/maintenance will be carried out as per the Warranty/guarantee Clause.
- iv. We undertake to provide adequate training (normal operation, trouble shooting) to two technical personnel of the SASMIRA R&D team on the supplied equipment and making them confident of operating the equipment independently.
- v. We agree that the balance 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 \_\_\_\_\_ 2023.

**Authorized Signatory**

**Signature**

**Name:**

**Designation:**

**Name & Address of the Company:**

**Seal of the Company:**

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

Bidder's Signature and Seal

**FORMAT FOR BANK GUARANTEE**

(On Rs100 Non-Judicial Stamp Paper)

To be stamped according to Stamp Act and to be in the name of the executing Bank

**To:**

**The Senior Director**

**SASMIRA**

**Sasmira Marg, Worli,**

**Mumbai - 400030**

In consideration of SASMIRA, having its registered office at SASMIRA, Sasmira Marg, Worli, Mumbai -400030 (hereinafter called the “Authority” which expression shall unless repugnant to the subject or context include its administrators successors and assigns) having agreed under the terms and conditions of the Award Letter bearing No \_\_\_\_\_ dated \_\_\_\_\_ issued by the Authority, which has been unequivocally accepted by the Bidder (refer NOTE below) work of \_\_\_\_\_ (hereinafter called the said Contract) to accept a Deed of Guarantee as herein provided for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) from a Bank, in lieu of the security deposit, to be made by the Bidder or in lieu of the deduction to be made from the Bidder’s bill, for the due fulfillment by the said Bidder of the terms and conditions contained in the same Contract. We \_\_\_\_\_ the \_\_\_\_\_ (hereinafter referred to be “the said Bank” and having our registered office at \_\_\_\_\_ do hereby undertake and agree to indemnify and keep indemnified to the Authority from time to time to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) against any loss or damage, costs charges and expenses misused to or suffered by or that may be caused to or suffered by the Authority by reason of any breach or breaches by the Bidder and to unconditionally pay the amount claimed by the Authority on demand and without demand to the extent aforesaid. We, \_\_\_\_\_ Bank, further agree that the Authority shall be the sole judge of and as to whether the said Bidder has committed any breach or breaches of any of the terms and conditions of the said Contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Authority on account thereof and the decision of the Authority that the said Bidder has committed such breach or breaches and as to the amount or amounts of loss, damage, costs charges and expenses caused to or suffered by or that may be caused to or suffered by the Authority from time to time shall be final and binding on us.

1. We, the said Bank, further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract and till all the dues of the Authority under the said Contract or by virtue of any of the terms and conditions governing the said Contract have been fully paid and its claims satisfied or discharged and till the owner certifies that the terms and conditions of the said Contract have been fully and properly carried out by the Bidder and accordingly discharges this Guarantee subject, however, that the Authority shall have no claim under the Guarantee after 180 (One Hundred Eighty) days from the date of expiry of the contract period.
2. The Authority shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee or indemnity, from time to time to vary any of the terms and conditions of the said contract or to extend time of performance by the said Bidder

Bidder’s Signature and Seal

or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions governing the said contract or securities available to Authority and the said Bank shall not be released from its liability under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of the Authority or any indulgence by the Authority to the said Bidder or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so releasing the Bank from its such liability.

3. It shall not be necessary for the Authority to take legal action against the Bidder before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any security which the Authority may have obtained or obtain from the Bidder shall at the time when proceedings are taken against the Bank hereunder be outstanding or unrealized.
4. We, the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the Authority in writing and agree that any change in the Constitution of the said Bidder or the said Bank shall not discharge our liability hereunder. If any further extension of this Guarantee is required the same shall be extended to such required periods on receiving instructions from SASMIRA on whose behalf this guarantee is issued.

For and on behalf of (the bank) \

Signature \_\_\_\_\_

Name & Designation \_\_\_\_\_

Authorization No.

Date and Place

Bank Seal

The above guarantee is accepted by the Authority.

**Note: This letter of authorization should be on the letterhead of the manufacturing Concerned should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarized power of attorney should also be furnished.**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

**The Senior Director  
SASMIRA,  
SASMIRA Marg  
Mumbai - 400030.**

WHEREAS.....  
(Name and address of the Supplier) (Herein after called “the Supplier”) has undertaken, in Pursuance of contract no..... dated ..... (Herein after called “the contract”) to supply  
.....  
.....

AND WHEREAS it has been stipulated by you in the said contract that the Supplier shall furnish you with a bank guarantee by a nationalized bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with and due performance of the contract; AND WHEREAS we have agreed to give the Supplier such a bank guarantee; NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the Supplier, up to a total of .....(amount of the guarantee in words and figures), and we hereby irrevocably and absolutely undertake to pay you immediately, upon your first written demand declaring the Supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the Supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification. The Bank guarantee shall be interpreted in accordance with the laws of India. The Guarantor Bank represents that this Bank Guarantee has been established in such form and with such content that is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

The Bank Guarantee shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank or the Supplier. The Bank further undertakes not to revoke this Guarantee during its currency except with the previous express consent of the Buyer in writing. The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorized and has full power to execute this Guarantee for an on behalf of the Bank.

This guarantee shall be valid up to and including the ..... Day of ....., 20.....  
.....

(Signature with date of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of the Branch

## V) CHECK LIST TO THE BIDDERS

1. Get all the clarification regarding terms and conditions, specification etc. by writing to the Senior 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 components 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 as mentioned in the Tender Document is 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. Descriptive leaflet / brochure of the components quoted are enclosed along with the technical details.
7. The Technical and commercial details are to be submitted for components/ accessories. Both the details are to be put together in one envelope and sealed properly, super scribing the name of the system.
8. Cost details are to be given in the prescribed format only. If more than one component is quoted, separate sheet may be enclosed.

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

.....