



केन्द्रीय रेशम प्रौद्योगिक अनुसंधान संस्थान

केन्द्रीय रेशम बोर्ड

(वस्त्र मंत्रालय- भारत सरकार)

बी.टी.एम. लेआउट मडिवाला बेंगलूरु- 560068

CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE

CENTRAL SILK BOARD

(Ministry of Textiles - Govt. of India)

B.T.M. Layout, Madivala, Bengaluru-560068

Phone: 080-26685238, 26282190, Fax: 080-26680435, Email: cstriban.csb@nic.in, web: www.cstri.res.in

No. CSB/CSTRI/35(41)/2024-Stores/weaving/TFO

Date : 21.05.2025

To,

Sir,

Sub: Inviting Quotations through e-procurement portal for procurement of TFO (32 spindle) & Parallel Winder for TFO (24 Spindle) for CSTRI, Bangalore - Reg.

With reference to the subject cited above, I am to inform that this Institute invites quotation in two bid system through e-procurement portal <https://eprocure.gov.in> for supply of machineries as mentioned below:-

#	NAME OF THE EQUIPMENT	Specification	QTY	DESTINATION
1.	Indigenous Two For One (TFO) Twister (32 Spindle)	Detailed Specification is enclosed	1 No.	The Director, CSTRI, Central Silk Board, BTM Layout, Madiwala, Bengaluru – 560 068
2.	Indigenous Winding Machine/Parallel Winder for TFO (24 Spindle)	Detailed Specification is enclosed	1 No.	

TERMS & CONDITION :

1. The quotation in **two bid (Technical Bid & Financial Bid)** system should be uploaded in e-procurement only (<https://eprocure.gov.in>). The last date for uploading the bid is **18.06.2025** upto **1.00 P.M.** and the bid will be opened on **19.06.2025** at **1.00 P.M.**
2. The rates quoted should be valid for 180 days. The equipment should be supplied within **60** days from the date of purchase order. No deviation is permitted in this aspect.
3. The equipment should be supplied to **"The Director, CSTRI, Central Silk Board, BTM Layout, Madiwala, Bengaluru – 560 068"**.
4. **In the Technical Bid:**
 - a. The other important documents sought in the e-procurement tender should be uploaded online.

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- b. The bidder should submit a self-declaration that the equipments to be supplied will adhere to the Make in India (MII) terms and conditions.
 - c. Fixed EMD of **Rs. 25,000/-** in the form of **Demand Draft** drawn in favour of the Director, CSTRI, Bangalore should reach this office by post / in person before the opening of technical bid. i.e on or before **19.06.2025** at 1.00 P.M.. The EMD should be sent in a sealed cover superscribing "EMD for Supply of TFO (32 spindle) & Parallel Winder for TFO (24 Spindle). A scanned copy of the Demand Draft should be uploaded along with technical bid. The EMD does not carry any interest. Please note that cheques will not be accepted. Quotation received without EMD will summarily be rejected. EMD amount is exempted for MSME units. In such cases, scanned copy of MSME certificate has to be uploaded along with technical bid. Further, such MSME bidders should also submit the duly filled **Bid Securing Declaration form** alongwith the technical bid (as per the format enclosed) in lieu of EMD.
 - d. The bidders should submit the Bank Details i.e. Bank A/c.No., Bank Name, Branch, IFSC code. Mobile No. E-Mail ID, Aadhaar, etc. for releasing the EMD and effecting the payment.
 - e. The bidders should submit an undertaking for not being blacklisted in the letter head.
 - f. The supplier should submit the experience certificate/purchase orders relating to the supply of **Indigenous Two For One (TFO) Twister (32 Spindle) and Indigenous Winding Machine/Parallel Winder for TFO (24 Spindle)** or any relevant textile machineries for the last three financial years.
 - g. The bidders should submit an undertaking that the above equipment to be supplied shall match with the specifications as attached.
 - h. The Bidder should submit the copy of GST Certificate, Registration certificate for establishment (if any), ITR Returns for the last three years, Turnover/Balance Sheet for the last three years, PAN number of the firm, an affidavit regarding the correctness of bid, Aadhaar along with the technical bid.
5. The Supplier shall provide Warranty for a minimum period of 12 months from the date of installation of the equipment / machineries. Any defects noticed in the equipment /machineries which are unintentional shall be set right by the supplier at free of cost for good performance of the equipments.
6. The equipment should be supplied strictly in conformity of the specifications as attached, failing which, the equipment has to be taken back at your own cost.
7. For delay & non supply of the item within the stipulated time, liquidated damages @ 0.5% per week will be deducted from the bill subject to a maximum of 10% of the total cost of the equipment.

P.T.O.

8. The performance security equivalent to 5% of the total contract value in the form of Bank Guarantee issued by any Nationalized Bank which shall be valid till three months after the expiry of the warranty period should be furnished to this Institute within 10 days from the date of receipt of purchase order. In case of non receipt of the Bank Guarantee within the stipulated time, the said amount will be deducted while effecting the final payment.
9. No advance payment will be made. The payment will be released only after delivery of the equipment in good condition as per our specification, erection and commissioning.
10. **In the financial bid**, the bidder has to furnish the basic rate which includes transportation charges, Erection & Commissioning, insurance, loading and unloading, sufficient training of the scientific community for operation of the equipments etc. except GST that has to be mentioned separately in the BOQ format only. The total item wise (02 items) evaluation will be considered in this particular tender. There should not be any kind of hidden charges.
11. The bid is to be quoted in Indian Rupee only.
12. The equipment should be fabricated strictly in conformity with the specifications as attached. Pre-dispatch inspection of the said machinery will be carried out by the scientists, if needed.
13. The applicable GST-TDS will be deducted as per the prevailing rules.
14. **Deviation in any of the above terms and conditions will result in automatic cancellation of the bid.**
15. Director, CSTRI, Central Silk Board, Bangalore reserves right to accept or reject any bid without assigning any reason. The decision of the Director is final and no correspondence will be entertained from any party in this regard.

Yours faithfully,


[डॉ. एस. पेरियासामी / Dr. S. PERIYASAMY]

निदेशक / DIRECTOR

BID SECURING DECLARATION FORM

Tender No. **CSB/CSTRI/35(41)/2024-Stores/weaving/TFO**

Date:

To
Director,
CSTRI,
BANGALORE

I/We, The undersigned, declare that :

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am/We are in a breach of any obligation under the bid conditions, because I / We

- a) have withdrawn / modified/amended, impairs or derogates from the tender, my / our Bid during the period of bid validity specified in the form of Bid ; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii)fail or reuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid securing Declaration shall cease to be valid if I am / We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii)thirty days after the expiration of the validity of my / our Bid.

Signed:

(Insert Signature of person whose name and capacity are shown)

In the capacity of

(Insert legal capacity of person signing the Bid Securing Declaration)

Name:

(Insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for on behalf of (Insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

Indigenous Two-for-One (TFO) Twister – (32) Spindles

Sl no.	Parameter	Specifications
1	Machine Type	Indigenous Two-for-One Twister
2	Number of Spindles	32Spindles
3	Spindle Arrangement	Double-sided (16 spindles per side)
4	Drive System	Individual/Group motor with inverter control
7	Feed Package	Hylem Aluminium Bobbins (Traverse 125 mm, Flange Diameter 72 mm)
8	Take-Up Package	Aluminium Rolls (Traverse 100 mm, Flange Dia 120 mm, Cradle Model with Overfeed)
9	Traverse Mechanism	Cam-driven or Electronic traverse
10	Spindle RPM	Up to 10,000 RPM (adjustable)
11	Twist Range	200-4000 TPM
12	Direction of Twist	S & Z (changeable)
13	Yarn Type	Suitable for Silk (Continuous Filament Yarn)
14	Denier Range	20-600
15	Cabinet Design	Fully enclosed with flush-mounted panels
16	Panel	Star Delta Starter (ISI certified) with T.P.M. & R.P.M. Indicator & Motor Protection Device
17	Power Supply	3 Phase, 50 Hz
18	Safety	Emergency Stop System, Machine Guarding,
19	Warranty	Minimum 1 year from date of installation
20	Training and Support	Installation, commissioning, operator training, and after-sales service mandatory

Sumit
(Sumitran)
S.F. A

Pradeep Kumar
SC-B

List of Accessories (To Be Supplied Along with the Machine-TFO)

Sl. No.	Accessory	Specification/Description	Quantity
1	Take-Up Bobbins	Aluminium, Traverse: 100 mm, Flange Dia: 120 mm, Cradle Type	150 Nos.
2	Feed Bobbins	Hylem Aluminium, Traverse: 125 mm, Flange Diameter: 72 mm	150 Nos.
3	Doffing Crates	Plastic crates (2.5' W × 1.25' B × 1.25' H)	4 Nos.
4	Spare Spindles	Complete spindle assembly	2 Nos.
5	Spare Traverse Mechanism (Cam/Electronic)	As per supplied model	1 No. each
6	Spindle Belts	Standard high-speed belts compatible with spindle drive	10 Nos.
7	Lubrication Kit	Complete set with recommended lubricants	1 Set
8	Tool Kit	Wrenches, screwdrivers, pliers, alignment tools, etc.	1 Set
9	Electrical Spare Kit	Fuses, relays, contactors, sensor connectors, cable ties, etc.	1 Set
10	Operation Manual	Hard copy and digital version	1 Set
11	Maintenance Manual	Hard copy and digital version	1 Set
12	Spare Parts Catalogue	Detailed part list with codes	1 Set
13	Electrical and Wiring Diagrams	With component mapping and safety circuits	1 Set

Note: This purchase includes the installation, commissioning, and demonstration of the machine at the Weaving Section, Central Silk Technological Research Institute (CSTRI), Central Silk Board, Bengaluru.

Sumit
(Sumit/ks)
5.9.24


SC-B

2. Indigenous Winding Machine / Parallel Winder for TFO (24 Spindles)

Parameter	Specifications
Machine Type	Indigenous Winding Machine / Parallel Winder
Number of Spindles	24 Spindles
Spindle Arrangement	Double-sided (12 spindles per side)
Drive System	1.0 HP \times 2 Motors for Spindles, 1.0 HP \times 1 Motor for Traverse (all inverter controlled)
Max Yarn Speed	300 meters/minute
Feed Package	Suitable for Hylem Aluminium Bobbins of dimensions 75 ~ 80 mm length and Flange dia. 55 ~ 60 mm
Take-Up Package	Parallel-wound Hylem Aluminium Bobbins (Traverse 125 mm, Flange Diameter 72 mm) — Suitable for TFO supply package
Traverse Mechanism	Ball Screw
Cabinet Design	Fully enclosed with flush-mounted panels
Electronics	Four Optical Sensors and One Cutter per Spindle
Control Panel	PLC-based HMI Panel, Inverter Drive for both Spindle and Traverse Motors
Yarn Type	Suitable for Silk
Power Supply	3 Phase, 50 Hz
Safety	Emergency Stop System, Machine Guarding
Warranty	Minimum 1 year from date of installation
Training and Support	Installation, commissioning, operator training, and after-sales service mandatory

Sumit
(Sumit, kr.)
S.G.A

RADEEP KUMAR
S.C.-B

List of Accessories (To Be Supplied Along with the Machine-Parallel winder)

Sl. No.	Accessory	Specification/Description	Quantity
1	Feed Bobbins	Hylem Aluminium, Length: 75–80 mm, Flange Dia: 55–60 mm	100 Nos.
2	Take-Up Bobbins	Parallel-wound Hylem Aluminium Bobbins, Traverse: 125 mm, Flange Dia: 72 mm	100 Nos.
3	Spindle Belts	Compatible with high-speed spindle motor	10 Nos.
4	Traverse Belts/Mechanism Spares	Ball screw system components	2 Sets
5	Sensor Units (Yarn Break/Optical Sensors)	Optical sensors for yarn break detection	10 Nos.
6	Yarn Cutters	Electronic/mechanical cutters for each spindle	10 Nos.
7	Lubrication Kit	Recommended lubricants and applicators	1 Set
8	Tool Kit	Standard maintenance tools (wrenches, screwdrivers, etc.)	1 Set
9	Electrical Spare Kit	Fuses, relays, contactors, connectors, etc.	1 Set
10	Operation Manual	Printed and digital formats	1 Set
11	Maintenance Manual	Printed and digital formats	1 Set
12	Spare Parts Catalogue	Detailed list with part numbers	1 Set
13	Electrical and Wiring Diagrams	Complete schematic with labels	1 Set

Note: This purchase includes the installation, commissioning, and demonstration of the machine at the Weaving Section, Central Silk Technological Research Institute (CSTRI), Central Silk Board, Bengaluru.

Sumedh
S.F.A

[Signature]
SCB