



राष्ट्रीय फैशन प्रौद्योगिकी संस्थान, मुंबई
National Institute of Fashion Technology, Mumbai
(A statutory body governed by the NIFT Act 2006 and set up by the
Ministry of Textiles, Govt. of India)

निफ्ट परिसर, मुंबई में मशीनरी की आपूर्ति, स्थापना और कमीशनिंग के लिए जेम बोली दस्तावेज़

**GEM BID DOCUMENT FOR "SUPPLY, INSTALLATION & COMMISSIONING OF
LAB SCALE WEAVING & PREPARATORY MACHINES"**

BID NO: 07/NIFT/MUM/PO/2026-27

Items:	"SUPPLY, INSTALLATION & COMMISSIONING OF LAB SCALE WEAVING & PREPARATORY MACHINES"
Quantity:	01 set of 3 Machines
Date of publication of tender notification on official website (GeM Portal):	As notified in GeM portal
BID NO:	As notified in GeM portal

1. This tender document contains 17 pages (total no. of pages including Annexures) and bidders are requested to sign on all the pages and may upload in GeM portal.
2. **Tender form will be accepted only through the online mode through the GeM portal website <https://gem.gov.in/>**
3. **The bid financial evaluation should be item wise.**
4. NIFT donations are exempted u/s 80 (G) of Income Tax Act.
5. NIFT is registered with DSIR for custom /Central Excise duty Exemption.

**Web: <https://www.nift.ac.in/mumbai/tenders>
<https://gem.gov.in/>**

Committee Signature



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1. परिचय / Introduction:

National Institute of Fashion Technology (NIFT) was set up by the Ministry of Textiles, Government of India in 1986 which has been accorded statutory status under the Act of Parliament in 2006 (NIFT Act 2006) for the promotion and development of education and research in the field of Fashion Technology. NIFT provides fashion business education across the country through its network of 18 centers. It provides four years Undergraduate (UG) program in Design and Technology, two years Postgraduate (PG) program in Design, Fashion Management & Fashion Technology and a short duration education program to address the specialized needs of professionals and students in the field of Fashion. NIFT has its head office at New Delhi with its campuses located at Bhopal, Bhubaneswar, Chennai, Daman, Gandhinagar, Hyderabad, Jodhpur, Kangra, Kannur, Kolkata, Mumbai, New Delhi, Patna, Panchkula, Raebareli, Shillong, Srinagar and Varanasi.

1.1. National Institute of Fashion Technology (NIFT) is a premier educational Institution set up under an Act of Parliament and functioning under the aegis of the Ministry of Textiles, Govt. of India. NIFT, Mumbai centre was established in the year 1995 with undergraduate and post graduate programmes. NIFT Mumbai invites online tenders from reputed Suppliers/ firm / Agency for Supply, Installation & Commissioning of various textile and technical textile laboratory model/prototype model machinery & instruments dedicated to Academic activities.

1.2. The following details/Documents are to be furnished by the bidder with authorized signature.

S. No	Particulars	Page No.
1.	Introduction	2
2.	Scope of Work	3
2.	General Terms & Conditions	4-5
3.	Under Taking from The Bidder (Annexure – I)	6
4.	Format of bid security declaration from bidders in lieu of EMD (Annexure – II)	7
5.	Declaration (Annexure – III)	8
6.	General Information (Annexure – IV)	9-11
7.	Schedule of Requirement (Annexure – V)	12-15
8.	Compliance Sheet of Supply, Installation & Commissioning of machineries (Annexure – VI)	16
9.	Price Bid (Annexure – VII) (To be uploaded in GeM Portal Only)	17



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Scope of Work

- 1.1. NIFT Mumbai invites bid through GeM portal for Supply, Installation & Commissioning of various textile and technical textile laboratory model/prototype model machinery & instruments dedicated to Academic activities as per the specification mentioned in **Annexure V** Schedule of requirements.

Installation of Machineries

Supply, Installation & Commissioning of various textile and technical textile laboratory model/prototype model machinery & instruments dedicated to Academic activities are required to be completed within 60 days from the date of issue of GeM order.

The above items need to be transported, delivered, Installed, Commissioning and testing with relevant fittings & fixtures are to be supplied along with labour, at any floor of NIFT Mumbai without any additional cost. Complete training to be provided for minimum of 3 full days & maximum as per need.

Warranty Period:

The Bidder should furnish 3 years of onsite warranty / guarantee and accessory **support** for additional 2 years and free service from the date of installation and commissioning including Software Update.

The vendor should have the qualified engineers/ staff to attend during the warranty period, where the items is to be supplied and installed

Notes:

- The bidder must ensure that maintenance support required for the Machineries are readily available in India and is provided as part of the service.
- The bidder bears full accountability for the performance of all components of the Tendered items.
- The bidder should provide complete company details i.e., Name of the Person & Designation, Address, Phone No, Email address, etc.,
- The bidder is expected to provide free email-based technical support to the Departments.

For the said items, the Insurance Coverage, if any, shall be at the cost of the bidder & his responsibility shall be up to 'FOR Destination' i.e. NIFT Mumbai Centre.

Payment:

As per Gem Terms and Conditions.

Contact:

For further details, you may please feel to contact the Purchase Officer – 022-27747000/7101



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General Terms & Conditions:

1. Bidder must have to submit all the signed documents and the same to be uploaded in the GeM bid Portal. If any documents are not submitted and signed, the bid will be rejected.
2. Training should be performed by the bidder at the institute premises at no extra cost and trained personnel should be placed in the institute for administering, operating, maintaining the Machineries with proper supply, testing, commissioning of the products.
3. Bidder should fully be accountable for the performance of all components of the items tendered.
4. Make and Model along with specification must be clearly mentioned in the technical bid. If they are not found in the technical bid, the bid shall be rejected.
5. Delivery and installation is required to be completed within 03 months from the date of issue of GeM order.
6. The delivery schedule should be adhered to strictly. If the tenderer fails to complete the supply within the stipulated time, the order for the Supply and Installation of Items and necessary Accessories will be liable to be cancelled. In such a case, the Security Deposit will be forfeited.
7. In order to take care of the situation arising out of the failure of the tenderer to supply as per the schedule and quality and norms, the orders placed with such tenderer will be cancelled with sufficient cause.
8. Delivery of goods shall be made by the tenderer at NIFT Mumbai in accordance with the terms specified by NIFT, Mumbai.
9. The above items need to be transported, delivered, Installed, erected & commissioned with relevant fittings & fixtures are to be supplied & fitted along with labour at any floor of NIFT Mumbai without any additional cost. Complete training to be provided for minimum of 3 full days & maximum as per need.
10. Additional specification parameters added in the GeM bid document is part of Tender.
11. Any deviations found from approved specification and quality of the items during course of implementation will result in debarring of the supplier from empanelment along with suitable penalty as decided by NIFT Mumbai Centre.
12. **Successful bidder should furnish an all-inclusive comprehensive on-site warranty of 3 years and accessory support for additional 2 years should be given for Machineries supplied at our premises from the date of installation/commissioning whichever is later for any manufacturing defects during that period.**
13. Bidder should quote the rates inclusive of Taxes, Duties, Transportation, Loading, Unloading, Supply, Installation & Commissioning charges, etc.,



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14. The Bidder should have a registered office in India for more than 3 years, Proof of Establishment to be submitted.
15. The Bidder should have minimum Annual Turnover as mentioned in "Annexure IV" during the last three Financial Years i.e., 2022-23, 2023-24, 2024-25.
16. The OEM must have minimum Annual Turnover as mentioned in "Annexure IV" during the last three financial years i.e., 2022-23, 2023-24, 2024-25.
17. The Bidder must be OEM or authorized dealer or Reseller for the quoted brand of equipment. The Tender specific authorization dealer certificate from the OEM for the quoted brand of equipment must be attached. The name, designation and mail ID of the issuing authority must be indicated in the certificate clearly. Without the OEM certificate, the bid will be rejected.
18. **Successful bidders should submit the Performance Bank Guarantee @ 5% of the total value of the purchase order, either in the form of Bank Guarantee / DD / FDR / Bankers Cheque / RTGS / Insurance Surety Bonds.**
19. **If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.**
20. The successful bidder shall execute an agreement in Mumbai non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred only) agreeing to abide by all the terms and conditions mentioned therein and for the due fulfillment of the contract, within seven days from the date of issue of purchase order. The expenses incidental to the execution of agreement shall be borne by the successful bidder. The conditions stipulated in the agreement should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to the right of NIFT Mumbai to recover any consequential loss from the successful tenderer.
21. **The vendor bidding should offer all three machines of the same make (manufacturer) in the bid in order to ensure compatibility among weaving preparatory process and weaving process.**

Specific Requirements:

1. Bidders need to provide technical details - Model no. with respective technical specification sheet, against items they are offering.
2. For the purpose of quality verification, bidders to give demonstration of the machine in working condition with developed products/ product testing (as applicable) for similar applications as quoted in the tender.
3. Bidder shall provide certificates or relevant document to prove that bidder is authorized to supply components/equipment from OEM, whichever offered in their bids.
4. Bidders to provide certificate of standard compliance and calibration certificate.



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ANNEXURE – I

UNDERTAKING FROM THE BIDDER

(In company's/firms letter head)

To
The Director
National Institute of Fashion Technology
NIFT Campus, Mumbai
Plot No.15, Sector-4, Kharghar, Navi
Mumbai. Pin –410210

Dear Sir,

1. I/We hereby unconditionally accept all terms and condition mentioned in 'Tender enquiry for **"SUPPLY, INSTALLATION & COMMISSIONING OF LAB SCALE WEAVING & PREPARATORY MACHINES"**
2. I/We hereby undertake that the information provided above and elsewhere in the tender is true and if any information is found to be false or have been suppressed by me the tender is liable to be rejected and the EMD forfeited.
3. The warranty/ guarantee on the items supplied and installed will be at least Three years of on-site warranty and accessory **support** additional two years. The supplier undertakes to repair/replace the entire equipment or the defective/damaged part at no cost to NIFT during the warranty period.
4. I/We hereby certify that the Firm/Company is free from encumbrance and there was no vigilance / CBI enquiry or Court Case against us in the past and any such enquiry / case are pending against us.

Date:

Place:

(Authorized Signatory)

Name & Designation:

WName of the Agency & Address:



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ANNEXURE – II

FORMAT OF BID SECURITY DECLARATION FROM BIDDERS IN LIEU OF EMD
(On Bidders Letter head)

I / We, the authorized signatory of M/s.....,
participating in the subject tender No for the item / job of
....., do hereby declare :

1. That I / we have availed the benefit of waiver of EMD while submitting our offer against the subject Tender and no EMD being deposited for the said tender.
2. That I / we have exempted from EMD, and here by submitting the supporting documents (NSIC / MSME certificate) along with the Bid Security Declaration (Under GFR rule 170).
3. That in the event we withdraw / modify our bid during the period of validity Or I/we fail to execute formal contract agreement within the given timeline OR I/we fail to submit a Performance Security within the given timeline Or I/we commit any breach of Tender Conditions / Contract which attracts penal action of forfeiture of EMD and I/we will be suspended from being eligible for bidding / award of all future contract(s) of National Institute of Fashion Technology (All Centers) for a period of one to three year from the date of committing such breach.

Date:
Place:

(Authorized Signatory)
Name & Designation:
Name of the Agency & Address:



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ANNEXURE-III

DECLARATION

(In company's/firms letter head)

I/We having our office at declare that I/We
have never been blacklisted by any state Government/Central Government or any State/Central PSU.

Date:

Place:

(Authorized Signatory)

Name & Designation:

Name of the Agency & Address:



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ANNEXURE-IV

GENERAL INFORMATION
(To be filled in by the bidder for the Technical Bid)

1. Name of the Firm/ Agency/ company:
2. Complete Office Address:
(With contact number & email ID)
3. Company's/firm's website, If any:
4. Type of Organization : Individual / Partnership / incorporated / franchise
5. Year of establishment :

(Applicable Registration Details may be furnished with copy):

6. Name of the authorized person who : _____
Signs on the tender documents with Designation & Contact No.

Sl. No.	Description	Registration Under	Valid up to	Remark	Attached at Pg. No.
a	<u>EMD details item wise given below: -</u> Lab Scale Weaving & Preparatory machines for Technical textiles. (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine) EMD Rs.2,40,000/-			DDNO: Amount: Date:	
2	Delivery/Work completion period (within 03 Months)			Yes/No	
3	Firm / Company Registration			Copy of certificate to be attached	
4	PAN Number			Copy of certificate to be attached	
5	GST Registration Number:			Copy of certificate to be attached	
6	Have you ever been debarred by any Central/State Govt. Department/Organization/ PSU/ educational institute?			Yes/No	
7	Evidence of experience of 3 years with client list.			Copy of documents to be attached	



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8	Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31 st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for these criteria.			Copy of certificate to be attached (audited profit & Loss account Balance sheet OR	certificate of turnover Issued by CA
a.	Turnover for Lab Scale Weaving & Preparatory machines for Technical textiles. (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine)			Turnover: - 40 lakhs	
9	Catalogue of the items quoted should be attached			Yes/No	
a.	OEM Turnover for Lab Scale Weaving & Preparatory machines for Technical textiles. (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine)			Turnover: - 80 lakhs	
10	Undertaking duly signed by the tenderer. (Annexure I)			Yes/No	



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11	Format of bid security declaration from bidders in lieu of EMD (Annexure II)			Yes/No	
12	Declaration duly signed by the tenderer. (Annexure III)			Yes/No	
13	General Information (Annexure IV)			Yes/No	
14	Schedule of Requirement (Annexure V)			Yes/No	
15	The Tenderer should provide warranty/guarantee and Free Service for a period of minimum 36 Months from the date of installation. Undertaking to this effect shall be furnished in Annexure I			Yes/No	
16	NSIC/MSME registered (If applicable)			Copy to be attached	
17	ISO Certification			Copy to be attached	
18	Calibration Certificate			Copy To be submitted	
19	Standard compliance Certificate			Copy To be submitted	
20	Any other additional information Bidders to submit details (installation report/ feedback report) of a minimum of three (3) government / academic / research institutions in India where similar / equivalent machines (weaving/warping/sizing machine to develop high performance fabric sample for Technical Textile Application) has been successfully installed. Contact details must be included for verification by the purchaser."			Copy to be attached	

I/We, hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage, the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Date:
Place:

(Authorized Signatory)
Name & Designation:
Name of the Agency & Address:



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ANNEXURE-V

SCHEDULE OF REQUIREMENT:

Schedule of items along with quantities for which bids invited are given below and bidder should certify that the quote made is for the required quantity, specification and inclusive of requirements listed below.
Specification of Machineries.

- 1. Lab Scale Weaving & Preparatory machines for Technical textiles.**
 (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine)
 A) Sample Weaving Loom

Technical Specification of Sample Weaving Loom	
Working width (inches)	20
Weft Insertion Rate (ppm)	45 or more
Weft Insertion	Rigid single rapier
Beat Up	Controlled and Driven by independent servo motor
Let Off	Controlled electronically (optional up to 4 let off)
Shedding	Heald Controlled electronically and driven pneumatically
Take up	Controlled electronically with variable density
No. of Heald frames	20
Weft Selector	Minimum 8 colour
Yarn Break Sensor	Furnished with weft break sensing device
Yarn fineness	Loom to be capable of weaving warp fineness of 45 to 1500 denier (or higher) and fabric of aerial weight up to 600 gsm
Weft insertion	Single rigid rapier, also suitable for coarse count & filament yarn (industrial).
Temple	Full width temple, suitable for heavy gsm industrial fabric (upto 600gsm)
Beam	Double beam attachment for Let-Off motion to make spacer fabric.
Weft Cutter	Positive cutting system by carbide cutters
Rollers	All guide rollers of Let-Off motion and Take-Up motion to be hard chrome plated or better material, constructed with heavy pipes suitable for industrial grade fabric.
Selvage Cutter	Positive Selvage Cutter driven by Motor or Pneumatic cylinder with carbide blades.
Designing	Controlled by Windows based software installed in HMI and PC. Other working and mechanisms to be controlled by PLC based software & hardware, Software to have lifetime subscription
Heald Frame	Inclusive of 30 nos. of heald frames along with machine.
Extra Accessories	Extra beam pipe, stand for beam pipe and Flat Reed, Drawing in Stand, Beam Gaiting Trolley
Make and Construction Details	PLC/ Motor drives/ Encoders/ Sensors/ Relays and other electromechanical devices to be of make Siemens/ Honeywell/ Schneider Electric/ Omron/ Fujitsu/ Allen Bradley/ Pepper Fuchs/ GE/



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	Toshiba/ or similar, other hardware components (e.g. bearings, lease rod, beam pipe, flange, etc.) of machine to be specified in terms of material and class of materials e.g. Stainless Steel /Mild Steel/ Galvanised Iron/, etc. to be corrosion free
Specific Clauses	Vendor to demonstrate live working of similar make weaving loom at installed facility or online as demanded,
	Bid to clearly specify Brand and Make of Motors & Drives, Pneumatics & Hydraulics system, Relays, Encoders and Software, as applicable, hardware material used with details such as SS/MS/GI/carbide coating, etc
	bid to be inclusive of transportation, installation, demonstration and inhouse training provided by company
	Software to have lifetime subscription with required updates
	Bid to include Detailed Technical Drawing of Machine with Side view, Top View, Front View and Isometric view with all dimensions, electrical requirement, Pneumatic requirement of the machine
Warranty	3 years of on-site warranty and accessory support for additional 2 years.

The spare parts availability for at least 3 years, selection on the basis of quality of working requires demonstration prior to bidding.

B) Single End Warping Machine

Technical Specification of SINGLE END WARPING	
Drum Circumference (mm)	2500
Length	5-30 m
Working Width (inches)	20
Types of Yarn	All types
Yarn (Warp) Fineness	45-1500 denier
Colour Selection	8 feeder automatic
Leasing Section control	Automatic
EPI Control	Through PLC software (for range of epi based on yarn count)
Design Software	Windows based textile design software to control color selection and leasing with standard software
Designing	Design & editing software through PLC base along with HMI
Beaming Device	Motorised - Integral Beaming Unit, compatible with sample weaving machine's beam of 20 inch width (single rigid rapier)
Max. Beam Pipe Flange Dia (mm)	120
Max. Beam Barrel Diameter (mm)	60 (other on request)
Max. Beaming Speed	10 m/min
Creel	Stationary with stop motion
Warping Speed	200 m/min or higher
Power	3 Phase / 415 V / 50 Hz



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Make and Construction Details	PLC/ Motor drives/ Encoders/ Sensors/ Relays and other electromechanical devices to be of make Siemens/ Honeywell/ Schneider Electric/ Omron/ Fujitsu/ Allen Bradley/ Pepper Fuchs/ GE/ Toshiba/ or similar, other hardware components (e.g. bearings, lease rod, beam pipe, flange, etc.) of machine to be specified in terms of material and class of materials e.g. Stainless Steel /Mild Steel/ Galvanised Iron/, etc. to be corrosion free
Specific Clauses	Vendor to demonstrate live working of similar warping machine at installed facility or online as demanded
	Bid to clearly specify Brand and Make of Motors & Drives, Pneumatics & Hydraulics system, Relays, Encoders and Software, as applicable, hardware material used with details such as SS/MS/GI/carbide coating, etc
	bid to be inclusive of transportation, installation, demonstration and inhouse training provided by company
	Software to have lifetime subscription with required updates
	Bid to include Detailed Technical Drawing of Machine with Side view, Top View, Front View and Isometric view with all dimensions, electrical requirement, Pneumatic requirement of the machine
Warranty	3 years of on-site warranty and accessory support for additional 2 years.

The spare parts availability for at least 3 years, selection on the basis of quality of working requires demonstration prior to bidding.

C) SINGLE END SIZING MACHINE

Technical Specification of SINGLE END SIZING MACHINE	
No. of Spindles	1 or more
Machine Type	Individual Spindle Driven
Drying Winder Motor	Controlled by Individual AC Motor
Package Winding Motor	Controlled by Individual AC Motor
Winding Speed	0 - 200 m/min or more (depending on the type of yarn)
Yarn Count	45 to 1500 Denier , Compatible with Warping machine and Weaving loom, compatible with natural and synthetic size material
Drying	Through Electrical Heating
Temperature Control	Provided by Drying Zone with a range from 50 (or lower) - 80 (higher) Degree centigrade
Stop Motion for broken Ends	Individual Sensor to be provided for Auto Stop
Make of Sizing Solution Tank	SS Fabricated Size Chemical Tank (Corrosion free)
Sizing Solution Circulation	Provided by pump controlled by Motor



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Hot Air Circulation Device	Controlled by Blower through Motor
Steel	Specify material (SS/MS/GI/ etc.), make (Tata/ Jindal/ Ispat/ Asian/et/c similar type)
Make and Construction Details	PLC/ Motor drives/ Encoders/ Sensors/ Relays and other electromechanical devices to be of make Siemens/ Honeywell/ Schneider Electric/ Omron/ Fujitsu/ Allen Bradley/ Pepper Fuchs/ GE/ Toshiba/ or similar, other hardware components (e.g. bearings, lease rod, etc.) of machine to be specified in terms of material and class of materials e.g. Stainless Steel /Mild Steel/ Galvanised Iron/, etc. to be corrosion free
Specific Clauses	Vendor to demonstrate live the working of similar make of sizing machine at installed facility or online as demanded
	Bid to clearly specify Brand and Make of Motors & Drives, Pneumatics & Hydraulics system, Relays, Encoders and Software, as applicable, hardware material used with details such as SS/MS/GI/carbide coating, etc
	bid to be inclusive of transportation, installation, demonstration and inhouse training provided by company
	Installed Software to have perpetual license with required updates
	Bid to include Detailed Technical Drawing of Machine with Side view, Top View, Front View and Isometric view with all dimensions, electrical requirement, Pneumatic requirement of the machine
Warranty	3 years of on-site warranty and accessory support for additional 2 years.

NOTE :-The vendor bidding should offer all the three machines of same make (manufacturer) in the bid.



राष्ट्रीय फैशन प्रौद्योगिकी संस्थान, मुंबई
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ANNEXURE-VI

COMPLIANCE SHEET OF MACHINERIES

S. No.	Particulars	Qty	Specifications Compiled (Yes / No)	Proposed Make / Model No.
1.	Lab Scale Weaving & Preparatory machines for Technical textiles. (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine) The vendor bidding should offer all the three machines of same make (manufacturer) in the bid.	01 Set of 3 Machines		
	Provide Online URL address	WWW:		

Date:
Place:

(Authorized Signatory)
Name & Designation:
Name of the Agency & Address:



राष्ट्रीय फैशन प्रौद्योगिकी संस्थान, कन्नूर
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ANNEXURE-VII

Price Bid

S. No.	Particulars	Qty	Specifications Compiled (Yes / No)	Unit Rate	Total Value (in Rs)
1.	Lab Scale Weaving & Preparatory machines for Technical textiles. (Sample Weaving Loom, Single End Warping Machine & Single End sizing Machine) The vendor bidding should offer all the three machines of same make (manufacturer) in the bid.	01 Set of 3 Machines			TO BE UPLOADED IN GEM PORTAL ONLY
GST @					
Grand Total					

Note: Bidder should quote the rates inclusive of Taxes, Duties, Transportation, Loading, Unloading, Installation charges, etc.

(Rupees in words

_____)

Date:

Place:

(Authorized Signatory)

Name & Designation:

Name of the Agency & Address:

