

**E-5**

**PROCUREMENT OF GOODS  
THROUGH  
REQUEST FOR QUOTATION  
(RFQ)/SHOPPING PROCEDURES**

*(For Contracts valued less than the  
equivalent of US \$100,000 each)  
(Two-Envelope with e-Procurement)*

**APRIL 2018**

GOVERNMENT OF INDIA AND GOVERNMENT OF ASSAM  
ASSAM AGRIBUSINESS & RURAL TRANSFORMATION PROJECT (APART)  
COMMISSIONER OF INDUSTRIES & COMMERCE,  
OPIU, 4<sup>TH</sup> Floor, Udyog Bhawan, Bamunimaidam  
Gauwahati - 781021

Tel.:0361-2550242, Fax: 0361-2550717, E-mail: [commissioner-ind@assam.gov.in](mailto:commissioner-ind@assam.gov.in),  
[apart.industries.assam@gmail.com](mailto:apart.industries.assam@gmail.com) Website: [www.industriescom.assam.gov.in](http://www.industriescom.assam.gov.in)

**REQUEST FOR QUOTATIONS**  
**Procurement of Goods under RFQ/Shopping Procedures**  
**E-Procurement Notice**  
*(Two-Envelope with e-Procurement Bidding Process)*

RFQ No: CI&C/APART/CFC-KAMRUP(M)/G-1/2024

Date: 12<sup>th</sup> August, 2024

Applicable Procurement Guidelines/Regulations Date: July 2016

The Supply & Installation of Eri and Muga processing equipment and their accessories with related services at Kamrup Metro, Guwahati" Under APART Project.

1. The Government of India has received financing from the World Bank in various currencies towards the cost of the ASSAM AGRIBUSINESS & RURAL TRANSFORMATION PROJECT (APART) Project and intends to apply part of the proceeds towards eligible payments under the contract for which this request for quotations is issued. The Commissioner of Industries & Commerce, Guwahati invites quotations for ERI & MUGA Processing Unit at Kamrup(M) electronically from eligible bidders for the following goods.

Sl No.	Brief description of good	Specifications	Qty & Unit	Delivery period	Place of delivery, testing, installation and commissioning
1	A. Pre-Loom Section	Item wise details and specifications at Technical Specifications sheet.	As per Price Quotation	Within 30 days from the date of issue of work order	M/s BORHOMTHURI PVT. LTD. Vil. 2 No. Srihati, Pub Bongshay, Swualkutchi, Dist. Kamrup, Assam - 781103
2	D. Finishing Section				
3	H. Design Section				
4	I. Computers and Accessories for Handloom Section.				
5	J. Testing Section				

2. The Bidders may submit Quotations for any or all Section. Where evaluation is to be done for all items combined in each Section.

3. This e-Procurement notice includes the terms and conditions applicable to submission of quotations; criteria for qualification, evaluation, and for award of supply order(s); and relevant forms to be filled by the bidders. Implementing Agency has not issued a separate RFQ document for this purchase. The e-Procurement notice including the terms and conditions etc. can be downloaded free of cost by logging on to the website [www.assamtenders.gov.in](http://www.assamtenders.gov.in), [www.industriescom.assam.gov.in](http://www.industriescom.assam.gov.in). The bidders would be required to register in the website which is free of cost.
4. For submission of Quotation, the Bidder is required to have Digital Signature Certificate (DSC) from one of the Certifying Authorities authorized by Government of India for issuing DSC. Bidders can see the list of licensed CA's from the link ([www.cca.gov.in](http://www.cca.gov.in)). Bidders who have not obtained the user ID and password for participating in e-procurement in this Project, may obtain the same from the website: <http://assamtenders.gov.in>.
5. Quotations, both Technical Part and Financial Part shall be submitted on <http://assamtenders.gov.in> on or before 11.00 AM on 29<sup>th</sup> Aug., 2024. Any quotation or modifications to quotation received outside e-procurement system will not be considered. The electronic bidding system would not allow late submission of quotations. The 'Technical Part' of the Quotations will be opened online on 29<sup>th</sup> Aug., 2024 at 3.00 PM, this can also be viewed by the bidders online. The electronic summary of quotation opening of technical part will be generated and uploaded online.
6. If the Purchaser's office happens to be closed on the date of opening of the Quotations as specified, the 'Technical Part' of the Quotations will be opened on the next working day at the same time. The Financial Parts of the Quotations shall remain unopened in the e-procurement system, until the subsequent online opening, following the evaluation of the Technical Parts of the Quotations.
7. Other details can be seen in the RFQ document. The Purchaser shall not be held liable for any delays due to system failure beyond its control. A Bidder requiring any clarification of the RFQ Document may notify the Purchaser online or may visit the office of the Purchaser at the address given below.

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Shri Oinam Saran Kumar Singh, IAS  
Commissioner of Industries & Commerce,  
Udyog Bhawan, Bamunimaidam

Guwahati - 21

Tel. No.: 0361-2550242

Fax: 0361-2550717

E-mail: [commissioner-ind@assam.gov.in](mailto:commissioner-ind@assam.gov.in)  
[apart.industries.assam@gmail.com](mailto:apart.industries.assam@gmail.com)

Website: [www.industriescom.assam.gov.in](http://www.industriescom.assam.gov.in)

The Supply & Installation of Eri and Muga processing equipment and their accessories with related services at Kamrup Metro, Guwahati" under APART Project.

### Terms and Conditions

1. Eligibility: A Bidder (a) shall not participate in more than one Quotation; (b) shall not have conflict of interest as defined in the Bank's Procurement Regulations; and (c) should not have been (i) temporarily suspended or debarred by the World Bank Group in compliance with the Bank's Anti-Corruption Guidelines and its Sanctions Framework; or (ii) blacklisted or suspended by Central or any State Government Departments in India.
2. Clarifications & Amendments: If the Purchaser receives any request for clarification of this RFQ Document, it will upload its response together with any amendment to this document, on the e-procurement portal for information of all Bidders. Bidders should check on the e-procurement system, for any amendments to the terms and conditions.
3. Documents: The Quotation shall comprise two Parts, namely the Technical Part and the Financial Part. Both Parts shall be submitted simultaneously. The bidder shall submit the following document to qualify the bid:
  - (i) The copy of Trade License.
  - (ii) The Copy of GST
  - (iii) The Copy of PAN
  - (iv) Manufacturer Authorization/ Dealership Certificate
  - (v) Detail of Service Center and information on service support facilities that would be provided during/after the warranty period (Address, Name & Mobile no. of Service Engineer)
  - (vi) Firm must not have been disqualified/ blacklisted/ terminated/ debarred by any State/Central Government or their agencies.
  - (vii) The equipment for supply must be of the most recent series models incorporating the latest improvements in design.
4. The Technical Part of Quotation shall comprise the following:
  - (a) Letter of Quotation – Technical Part;
  - (b) Delivery Period Offered: List of Goods & Related Services indicating Bidder's offered delivery period in the prescribed Form;
  - (c) Technical Specifications: confirmation that the offered Goods and Related Services conform to the required specifications;
  - (d) Evidence in accordance with Clause 8 establishing Bidder's qualifications to perform the contract, if its quotation is accepted;

- (e) Performance Statement<sup>1</sup> of supplies of similar goods made during the last 3 years, in the prescribed Format;
- (f) Complete address and contact details of the Bidder having the following information:

Name of Firm  
Address for communication  
Telephone No(s): Office  
Mobile No.  
Facsimile (FAX) No.  
Electronic Mail Identification (E-mail ID)

- (g) The Technical Part of Quotation shall not include any financial information related to the Quotation price. Where material financial information related to the Quotation price is contained in the Technical Part of Quotation, the Quotation shall be declared non-responsive.

5. The Financial Part of Quotation shall comprise the following:

- (a) Letter of Quotation - Financial Part
- (b) Price Schedule (using the Schedule uploaded with the RFQ document) wherein the rates shall be entered online.

6. Quotation Prices

- a) The contract shall be for the full quantity for full quantity of each item, as specified in the Price Quotation Form. Corrections, if any, can be carried out by editing the information before electronic submission.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- c) GST and any other taxes, which will be payable on the goods at the time of invoicing in connection with the sale, shall be shown separately. If these are only stated to be extra, such quotations are liable to be rejected. Wherever these taxes are not shown, these will be assumed to have been included in the quoted price.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.

7. Conformity of Goods: The Bidder shall furnish as part of the Technical Part of Quotation, documentary evidence that the Goods conform to the technical specifications and standards, as relevant for example catalogue, warranty/ guarantee etc. of the manufacturer.

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<sup>1</sup> Purchaser may delete this requirement in case of simple and regular off the shelf items.

- (i) Qualification of the Bidder: (a) The bidder should be a registered Firm/Company/Agency (Registration Certificate to be enclosed). (b) The Agency should have an average annual turnover of INR 100.00 Lakhs during the last three financial years (2019- 20, 2020-21 and 2021-22) duly certified by a Chartered Accountant.

Bidder should have supplied goods of similar type (& capacity) up to at least 200% quantity in any one of last 3 years. Details of supplies made during the last 3 years shall be submitted in the specified Proforma. At least 2 nos. of the quantity in case of equipment offered for supply should have been in successful operation for at least one year as on date of quotation opening.

(b) Supplies for any particular item in each quotation should be from one manufacturer only. Quotations offering supplies from different manufacturers for the same item in the quotation will be treated as non-responsive.

8. Validity of Quotation: Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.
9. Signing of Quotations: The name and position held by each person signing the quotation and related documents must be typed or printed below the signature.
10. Quotation Submission: The Letter of Quotation – Technical Part, and Letter of Quotation – Financial Part shall be filled, signed and scanned copies shall be uploaded along with the Price Schedules that shall be furnished using the Forms available online without any alterations. All blank spaces shall be filled in with the information requested. Scanned copies of all other documents shall also be uploaded on this website on or before 29<sup>th</sup> August, 2024 at 11.00 AM.
11. Online Opening and Evaluation of Technical Parts of Quotations: The 'Technical Part' of the Quotations will be opened online on the specified date and time i.e., 29<sup>th</sup> August, 2024 at 3.00 PM. This can also be viewed by the bidders online, and electronic summary of quotation opening of technical part will be generated and uploaded online. The Financial Parts of the Quotations shall remain unopened in the e-procurement system, until the subsequent online opening, following the evaluation of the Technical Parts of the Quotations.
- (a) The Purchaser shall examine the technical part of the quotation to determine whether the quotation (a) has been properly signed (Clause 10); b) meets the eligibility criteria (Clause 1); (c) conforms to all terms, conditions, technical specifications, warranty/guarantee etc.; and (d) the

bidder has accepted the delivery schedule (Purchaser's Requirement Form 1).

- (b) Only Quotations that are both substantially responsive to the RFQ document, and meet all Qualification Criteria shall qualify for opening of the Financial Parts of their Quotations at the second online opening.
- (c) Purchaser shall notify in writing those Bidders who have failed to meet the Qualification Criteria or whose Quotations were considered non-responsive to the requirements in the RFQ document, advising them that their Technical Part of Quotation failed to meet the requirements of the RFQ document; and that their Financial Part of the Quotation shall not be opened.
- (d) Simultaneously Purchaser shall notify in writing those Bidders whose Technical Parts of Quotations have been evaluated as substantially responsive and meeting the Qualification Criteria that their Quotation has been evaluated as substantially responsive to the RFQ document and that their Financial Part of Quotation will be opened online (the date & Time will be communicated).

12. Online Opening and Evaluation of Financial Parts of Quotations: The 'Financial Part' of the Quotations will be opened online on the specified date and time. This can also be viewed by the bidders online, and electronic summary of quotation opening of financial part will be generated and uploaded online.

- (a) The Purchaser shall examine and confirm that Letter of Quotation – Financial Part and Price Schedules are in accordance with the requirements specified in the RFQ document. If any of these documents or information is missing, the offer shall be rejected.
- (b) The Quotations would be evaluated for all the items would be evaluated separately for each item.
- (c) The evaluation shall be based on the total price of Goods and Related services at project site including GST and any other taxes, which will be payable on the finished goods at the time of invoicing.

14. Performance Security:

- i) Within 15 days of receiving letter of acceptance, the successful bidder shall submit the performance security in the Bank Guarantee from any Nationalized or Scheduled Bank, drawn on favour of "Commissioner of Industries & Commerce" for an amount equivalent to 5% of the offered price.

ii) The performance securities submitted by successful bidder will be retained by the CI&C up to 28 days from the date of completion of the warranty period of the goods. Failure of the successful bidder to furnish performance security within the stipulated period shall constitute grant for annulment of award and the CI&C may award the contract to the next evaluated bidder.

15. Award of contract: The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- (a) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- (b) The bidder whose quotation is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached).

16. Penalty Clause: If the progress of assignment is found to be non-satisfactory or delayed at any point of time, OPIU-Commissionerate of Industries & Commerce reserves the right to impose penalty. The total amount of penalty shall be determined by Office of the CI&C giving adequate justifications.

17. Laws Governing the Contract & Jurisdiction: The contract shall be governed by the laws in force in India. In the event of any dispute, such dispute would be subject to the courts in Guwahati only.

18. Payment Terms: Payment to the selected agency will be released by Office of the CI&C upon successful completion of the entire process i.e. supply and installation.

- a) On Delivery: Seventy (70) % of the contract price shall be paid within 15(fifteen) days after delivery of the goods at purchaser site on submission of Invoice.
- b) On Final Acceptance: the remaining Thirty (30) % of the Contract Price shall be paid within thirty (15) days after the date of the Acceptance Certificate issued by the Purchaser's representative (after successful installation, Commissioning and Trial run)



- c) Payment shall be made upon satisfactory supply, installation, commissioning and acceptance of the equipment. The successful installation and acceptance will be done by CI&C or any third party engaged by CI&C. If after delivery, it is discovered that the items supplied are not exactly according to the specification/quality mentioned, such supply will be rejected at the supplier's cost. The decision of The Commissioner, Commissioner of Industries & Commerce, Guwahati on quality & specifications shall be final and no disagreement from the supplier shall be entertained.
- d) No advance payment shall be made.

18. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

# Quotation Forms

# Letter of Quotation–Technical Part

*The Bidder must prepare the Letter of Quotation on stationery with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.*

RFQ No.: CI&C/APART/CFC-KAMRUP(M)/G-1/2024

Dated: 12<sup>th</sup> August, 2024

Our Reference: No..... Dated.....

To:  
(Purchaser's name and address)

Subject: The Supply & Installation of Eri and Muga processing equipment and their accessories with related services at Kamrup Metro, Guwahati”.

Sir,

1. We, the undersigned, hereby submit our Quotation in two parts, namely:

- (a) Technical Part; and
- (b) Financial Part

2. In submitting our Quotation, we make the following declarations:

- (a) No reservations: We have examined and have no reservations to the RFQ Document;

Conformity: We offer to supply in conformity with the RFQ Document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services “The Supply & Installation of Eri and Muga processing equipment and their accessories with related services at Kamrup Metro, Guwahat” under APART Project.

- (b) Quotation Validity Period: Our Quotation shall be valid for the period of 60 days, from the deadline fixed for the Quotation submission;
- (c) Eligibility: We meet the eligibility requirements and have no conflict of interest, we are not participating in more than one quotation in this bidding process, and we have not been temporarily suspended or debarred by the World Bank or blacklisted or suspended the Central or any State Government;

(e) Fraud and Corruption: We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices; and we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of Corruption Act 1988."

Yours faithfully,

Authorized Signature

Name & Title of Signatory \_\_\_\_\_

In the capacity of *[insert legal capacity of person signing the Letter of Quotation]*

Name of Bidder \_\_\_\_\_

Address \_\_\_\_\_

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

# Letter of Quotation–Financial Part

*The Bidder must prepare the Letter of Quotation on stationery with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.*

RFQ No.: *[insert identification]*

Our Reference: No..... Dated.....

To:

(Purchaser's name and address)

Subject: The Supply & Installation of Eri and Muga processing equipment and their accessories with related services at Kamrup Metro, Guwahati" under APART Project.

Sir,

1. We, the undersigned, hereby submit the second part of our Quotation, the Financial Part. In submitting our Financial Part we make the following additional declarations:

(a) Our Quotation shall be valid for the period of 60 days from the deadline fixed for the Quotation submission;

(b) The total price of our Quotation, including any unconditional discounts offered is:  
Total price of the Quotation *[insert the total price of the quotation including GST and any other taxes, which will be payable on the finished goods, in words and figures];*

(c) Commissions, gratuities and fees: We have paid, or will pay the following commissions, gratuities, or fees with respect to the Bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity. If none has been paid or is to be paid, indicate "none."]*

Yours faithfully,

Authorized Signature

Name & Title of Signatory \_\_\_\_\_

In the capacity of *[insert legal capacity of person signing the Letter of Quotation]*

Name of Bidder \_\_\_\_\_

Address \_\_\_\_\_

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

## FORMAT OF PRICE QUOTATION

Sl. No.	Name of Equipment	Technical Specifications	Qty.	Unit	Quoted Unit Rate <sup>2</sup> at destination in Rs.	<sup>3</sup> GST and similar other taxes applicable on finished Goods/ Services	Total Price per line item at Destination - inclusive of discounts, all taxes and duties	
							In Figures	In Words
<b>A. Pre-Loom Section</b>								
1	Reeling Machine	<ul style="list-style-type: none"> <li>• 4-ends Muga silk reeling machine</li> <li>• Ships with 4 reels</li> <li>• Approved by CSB</li> </ul>						
2	Re-Reeling Machine	<ul style="list-style-type: none"> <li>• 1-window 4 ends</li> <li>• Geared motor for long life</li> <li>• Approved by CSB</li> </ul>						
3	Book Making / Baling Machine	Standard model, Approved by CSB						
4	Electrical Hot Air Drier for cocoon	<ul style="list-style-type: none"> <li>• Capacity: 100 kg.</li> <li>• Chamber: 18 gauge C. R Sheet outside and inside for 100 kg capacity.</li> <li>• Cocoon Trays: 1/2" Square G.I Mesh or Aluminum perforated trays.</li> <li>• Glass wool Insulation on all the sides to prevent heat loss.</li> <li>• Electronic Digital Temperature Indicator with Controller or Blind Temperature Controller to control and indicate Temperature as per requirement.</li> </ul>						

<sup>2</sup> Any unconditional discounts if offered shall be specified in this column along with the unit rates.

<sup>3</sup> Indicate each applicable tax separately.

		<ul style="list-style-type: none"> <li>- Fan with suitable motor for better air circulation inside the chamber.</li> <li>- Heating arrangement is provided by sheathed Air Heaters. For Safety M.C.B, Fuse, Starters and Thermal Overload Protection Relay for fan motors.</li> <li>- The temperature Control accuracy - +/- 2°C . Finished with heat resistant aluminum paint internal and external with Opaline Green color.</li> </ul>						
5	Pirn Winding Machine (16 Pirns)	<ul style="list-style-type: none"> <li>- 16 pirns</li> <li>- Pirn winder (bobin winder) machine</li> <li>- 1.00 spindle-40 ,</li> <li>- Motor 1 hp single galli high speed.</li> <li>- Approved by CSB</li> </ul>						
6	Skien Winder	<ul style="list-style-type: none"> <li>- Bevel geared mechanism</li> <li>- Approved by CSB</li> </ul>						
7	Bobbin Winding Machine	(High speed, 40 Spindles)						
8	Lacing stand	Standard model, Approved by CSB						
9	Cocoon opener	Standard model, Approved by CSB						
10	Spinning Machine Motorised	<ul style="list-style-type: none"> <li>- Silk Spinning machine</li> <li>- Pedal operation attachment</li> <li>- New enclosed design</li> <li>- Approved by CSB</li> </ul>						
11	Denier Measuring Machine	<ul style="list-style-type: none"> <li>- Accurate scale,</li> <li>- CSB approved</li> </ul>						
12	Yarn Count Machine	CSB approved						
13	Warp Reel	Maximum diameter- 100 mm or						

		<p>as required Maximum length of Yarn package- 250 Yarn guide- chrome Plated, Pig Tail type</p> <p>Motor- 1/8 HP 220 Volt Single Phase AC</p> <p>Operating speed- 60 RPM</p> <p>Up to 5 legs can be formed at one time Bobbins of up to 100 mm diameter and 250 mm length can be mounted on the base plate</p> <p>The guides move through a distance of 20 mm once every sixteen turns to give a lead of 20 mm width</p> <p>The standard wrap reel is suitable for making either imperial or metric leads composite wrap reel which can make either of the two types of the lead with the help of an additional reel is also available.</p>						
<b>D. Finishing Section</b>								
1	Calendering Machine 72" (5 roller)	<p>Cotton Roller 72", MS Roller 72"</p> <p>Basic Structure: - Machine structure will be made of heavy 125 mm M.S. channels. It will be a close body frame which has no need of any type of foundation. Machine will have two rollers fixed vertically on the structure. The heating roller will be above the cotton roller so that we can</p>						



	<p>give the maximum weight and pressure. The heating roller will be well grinded + Hard Chromed and mirror polished.</p> <p>1. Cotton Roller 72" working . 2. M.S. Roller 72" working , Size :- 11' x 4'x 5'</p> <p>Weight : - 2500 kg ( approx ), Production :- 1500 meter per hour. Power consumption :- 7.5 k/w, Motor :- 3.5 k/w &amp; 960 Rpm</p> <p>Machine will also have a side stand to fix the driving devices. machine will be driven by 5 HP 3 phase Motor. Machine has the manual pressure system which is easy, simple and safe to use.</p> <p>Entry and exit units will be attached with the machine. Entry unit will be made of channels and it will have pipes for tension. The exit unit will have exit roller.</p> <p>Heater: - 4 k/w Energy efficient good quality electric heating system will be used for heating the roll. Steam and LPG gas heating system is also available but only one will be installed in the machine. Automatic Temperature Controller is also available but only for electric heating system.</p>						
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I. Computers and Accessories for Handloom Section								
1	11th Generation Core i5-9500 Processor	11th Generation Core i5-9500 Processor, DDR4 SDRAM 8GB, HDD 1TB, 21.5 inch, TFT Color Monitor, Microsoft Windows 10 Pro, Keyboard, Mouse, 3 Yrs Warranty						
2	Quick Card Punching Machine	Quick Card Punching Machine Along with Auto Card Feed Mechanism "Suitable for Hardekar/Handloom Pitch Jacquard" to suited 80/100/120/200/400/600/800/1200 as suggested Hooks card and 1KVA stabilizer						
3	Computer i7 10th Gen	<p>Processor: 10th Gen Intel Core i7-10700 (2.9 GHz base frequency, up to 4.8 GHz with Intel Turbo Boost Technology, 16 MB L3 cache, 8 cores)</p> <ul style="list-style-type: none"> <li>- Memory &amp; Storage: 8 GB DDR4-2933 MHz RAM (1 x 8 GB), Upgradable upto 16GB   1TB 7200rpm SATA HDD   Expansion Slots: 2 M.2 (1 for SSD, 1 for WLAN)</li> <li>- Operating System &amp; Software: Window 10 Home   Microsoft Office Home &amp; Student 2019</li> <li>- Graphics: Intel UHD Graphics 630</li> <li>- Ports: 4 SuperSpeed USB Type-A (5Gbps), 4 USB 2.0 Type-A, 1 RJ-45, 1 headphone/microphone combo   Optical Drive: Not Present</li> </ul>						

4	Laptop	<p>Memory and storage: 16GB and 512GB SSD HDD capacity  Processor: Intel Core i7-1255U  Operating System: Pre-loaded Windows 11  Display: 15.6 Inches screen with 1920 x 1080 Pixels resolution  Weight: 1.69 Kg  Warranty: 1 Year from the manufacturer from the date of purchase</p>						
5	Scanner	<p>Type: A3 Desktop Type Sheet Fed Scanner Scanning sensor unit: CMOS CIS 1 Line Sensor  Optical resolution: 600dpi  Light source: RGB LED  Scanning side: Front/Back/Duplex  Interface: High speed USB 2.0  Dimensions (WxDxH): Tray Closed: 424 (W) x 246 (D) x 120 (H)mm, Tray Opened: 424 (W) x 440 (D) x 210 (H)mm  Weight: Approx. 6.1kg  Power requirements: AC100-240V (50/60Hz)  Power consumption: Scanning: 32.5W or less, Sleep mode: 2.5W or less, Power turned off: 0.5W or less  Operating environment: 10 - 32.5 °C (50 - 90.5 °F), Humidity: 20 - 80% RH  Environmental compliance: RoHS  Scanning Speed: Black and White 60ppm / 120ipm - Landscape speed, Colour 60ppm / 120ipm - Landscape speed Output</p>						

		<p>resolution: 100 x 100dpi, 150 x 150dpi, 200 x 200dpi, 240 x 240dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi</p> <p>Colour mode: Binary: Black &amp; White, Error Diffusion, Advanced Text Enhancement I, Advanced Text Enhancement II, Auto Colour Detection, 8-bit Greyscale:(256-Level), 24-bit colour</p> <p>Suggested Daily Duty Cycle: Approx. 7,500 scans/day</p> <p>Document Specifications: Width 50.8 - 300mm, Length: 70 - 432mm, Thickness: U-turn: 0.04 - 0.15mm (27 - 128g/m<sup>2</sup>) Straight Through: 0.04 - 0.3mm (27 - 255g/m<sup>2</sup>)</p> <p>Long document mode: 3000mm max. (Supported by Straight Feeding)</p> <p>Card scanning: 86 x 54 x 1.4mm (Embossed card scanning is supported)</p> <p>Paper separation: Retard Roller and Pre-separation method</p> <p>Feeder capacity: 80 Sheets (A4, 80g/m<sup>2</sup>)</p> <p>Special Features: Automatic Page Size Detection, Deskew, 3-Dimensional Colour Correction, Colour Dropout (RGB), Auto Colour Detection, Text Enhancement, Multi Stream, Preset Gamma Curve, Prescan, Patch Code, Image Rotation, Skip Blank Page, Folio Mode, Scan Area Setting, Text Orientation,</p>						
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		<p>Edge Enhancement, Moire Removal, Prevent Bleed Through/Remove Background, Character Emphasis, Background Smoothing, Shadow Removal, Double Feed Release (DFR), Double Feed Detection (Ultrasonic Sensor / By Length), Barcode/2D Recognition</p> <p>Bundled Software: Windows- ISIS / TWAIN Driver Capture On Touch Pro Kofax VRS</p> <p>Consumables: Exchange Roller Kit</p> <p>Accessories: A4 Flatbed 102, NA10 or WA10 Network Adapter</p>					
6	Biometric and surveillance Accessories with Control TA	<p>Type of System: Fingerprint Access Control, Password Protected Access Control</p> <p>Installation Type: Wall Mounted</p> <p>Screen Size: 2.4 inches</p> <p>Operating Temperature: -10 to +60 Degree Celcius</p> <p>Power Supply: 9 V DC</p> <p>Working Humidity: 20%-60%</p> <p>Working Temperature: 0 deg C- 45 deg C</p> <p>Voltage: 12 V</p> <p>Current: 2 Amp</p> <p>Working Current: 500 mA</p> <p>Idle Current: 400 mA</p> <p>False Rejection Rate :more Than 0.01%</p> <p>False Acceptance Rate: more Than 0.0001%</p> <p>Verification Time: Less Than 1.0s,</p> <p>CC TV Camera and control panel -10 nos</p>					

		2MP IP Dome camera - (10) 2MP IP Bullet camera - (15) 32 Ch NVR- (1)						
7	EXIT Button	Switch Type: Touch Material/Body: Metal Phase: Single Phase Operating Voltage: 120V						
8	Projector	Display: Brightness (ANSI lumens): 3800 Native Resolution: 1080P (1920x1080) Native Aspect Ratio: 16:9 Contrast Ratio (FOFO): 20,000:1 Display Color: 30-bit (1.07 billion colors) Light Source: Lamp Light Source Life: a. Normal 6000 hrs, b. ECO 10000 hrs, c. SmartEco 10000 hrs, d. LampSave 15000 hrs Optical: Throw Ratio: 1.49~1.64 Zoom Ratio: 1.1x Lens: F/# = 2.56 ~ 2.68, f = 22 ~ 24.1 mm Projection Offset (Full-Height): 100% Keystone Adjustment: 1D, Vertical ± 40 degrees Picture: Picture Modes: 3D, Bright, Infographic, Presentation, Spreadsheet, sRGB, User 1, User 2 Compatibility: Resolution Support: VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking						

		<p>Horizontal Frequency: 15K~102KHz</p> <p>I/O Interface: PC in (D-sub 15pin): (x1) Monitor out (D-sub 15pin): (x1) Composite Video in (RCA): (x1) S-Video in (Mini DIN 4pin): (x1) HDMI in: (x2), HDMI-1 (1.4a/HDCP1.4), HDMI-2 (1.4a/HDCP1.4) USB Type A: (x1) USB Type Mini B: (x1) RS232 in (DB-9pin): (x1)</p> <p>Audio: Speaker: (x1), 10W Audio in (3.5mm Mini Jack): (x1) Audio out (3.5mm Mini Jack): (x1)</p> <p>Environment: Operating Temperature: 0~40°C Power Supply: AC 100 to 240 V, 50/60 Hz Typical Power Consumption (110V): 260W/110V Acoustic Noise (Typ./Eco.)(dB): 34/29</p> <p>Accessories: Remote Control w/ Battery: RCX016 Power Cord (by region): x1 (1.8M) VGA(D-sub 15pin) Cable: 1 (1.5m) User Manual CD: 1 (24L) 3D Glasses: (Optional), DGD5 Quick Start Guide: (x1) 21L Warranty Card (by region): Yes Universal Ceiling Mount: (Optional), CM00G3 Dimension &amp; Weight Dimensions (WxHxD) (mm): 296</p>					
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		x120 x221 Net Weight (kg): 2.3 Projection System Projection System: DLP						
9	Monitor 75-inch Conference Room Display/Monitor	Monitor 75-inch Conference Room display/Monitor.						
<b>J. Testing Section</b>								
1	GSM Round Cutter Model:	Uses: To determine the GSM (Grams per square meter) of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc. Technical Specification: Diameter of the cutter- 112.8mm (113mm) Area of the specimen- 100 cm <sup>2</sup> Body- Aluminum for light weight Blades- German LUTZ (4 Nos. reversible blades) Colour- Blue Weight- 2.5 kg						
2	Hydraulic GSM Round Cutter	Uses: To determine the GSM (Grams per square meter) of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc. Technical Specification: Diameter of the cutter- 112.8mm (113mm) Area of the specimen- 100 cm <sup>2</sup> Body- Cast iron with power coating Blades- Indian wheel type Colour- Grey Black Weight- 10.2kg						

3	Digital GSM Scale (600gm/0.01gm)	<p>Uses: To determine the GSM (Grams per square meter) of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc.</p> <p>Technical Specification  Capacity- 600gm (60,000 GSM)  Least- Count 0.01gm (10mg)  Accuracy- 1 GSM  Platform size- 130mm  Display type- LCD Display with back light  Display position- Front and back both  Mode of operation- GSM and gram both  Indicator- Low battery Indicator and level indicator  Features:  1. Platform cover with acrylic sheet for accurate result  2. Rechargeable battery Inbuilt calibration facility</p>									
4	Electronic GSM Scale (500gm/0.1gm)	<ul style="list-style-type: none"> <li>- Capacity- 500gm (50,000 GSM)</li> <li>- Least Count- 0.1gm (100mg)</li> <li>- Accuracy- 4-5 GSM</li> <li>- Platform size- 130mm</li> <li>- Display type- LED Display with back light</li> <li>- Display position- Front</li> <li>- Mode of operation- Gram</li> <li>- Indicator- On/off</li> <li>- Platform cover with acrylic sheet for accurate result</li> <li>- Inbuilt calibration facility</li> </ul>									
5	DIGITAL GSM TESTER	ELECTRONIC Model Material To Be Measured: PP & Metals Covered with Transparent									

		<p>Shield. Stainless Steel tearing templates.  Platform Size: 10X10 cm 2  Templates.  Color: WHITE &amp; BLUE  Usage/Application: GRAMMAGE VALVE OF PAPER  Accuracy: 0.00001 gm Capacity: 0-500 gram  Frequency: 50 Hz  Least Count: 0.01  Power Source: 220 V,  AC Voltage: 220 V Ready Stock</p>						
6	GREY SCALE (SDC) FOR CHANGE IN COLOUR	<p>GREY SCALE (SDC) FOR CHANGE IN COLOUR FOR ACCESSING STAINING HSN Code: 49119990</p>						
7	Abrasion cum Pilling Tester	<p>Main parts of the machine:  1. Holder guide  2. Motor on/off switch  3. Weight  4. Power on/off switch  5. Traveller top plate  6. Power indicator  7. Form  8. Electronic counter  9. Fabric Disc  10. Fabric cover lock  11. Tightening holder  12. Cranks (3)  13. Sample holder</p> <p>Features of Martindale Abrasion cum Pilling Tester:  1. Effective speed ratio of outer pegs to inner pegs  2. 4 specimen can be tested simultaneously.</p>						

	<p>3. Maximum load (corresponding to pressure of 12KN/m<sup>2</sup>): 790g</p> <p>4. Comprise of stainless steel balls.</p> <p>5. Acrylic Top Plate for safety.</p> <p>6. The Abrasion of the fabric can be tested through two methods.</p> <p>Features of Martindale Abrasion cum Pilling Tester:</p> <p>1. Effective speed ratio of outer pegs to inner pegs</p> <p>2. 4 specimen can be tested simultaneously.</p> <p>3. Maximum load (corresponding to pressure of 12KN/m<sup>2</sup>): 790g</p> <p>4. Comprise of stainless steel balls.</p> <p>5. Acrylic Top Plate for safety.</p> <p>6. The Abrasion of the fabric can be tested through two methods.</p> <p>Apparatus: (for calculating wear index)</p> <p>1. GSM cutter</p> <p>2. Digital balance</p> <p>3. Martindale pilling cum abrasion tester</p> <p>Specification:</p> <p>Pilling- 60 mm</p> <p>Power supply- 230 V AC 50 Hz</p> <p>Power consumption- 0.2 KWH</p> <p>Outer Peg Rotational Speed- 48+- 2 RPM</p> <p>Maximum Available Pressure- 12 KPa</p> <p>Working Pressure- 3 KPa, 6 KPa, 9 KPa, and 12 KPa</p>						
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		Test specimen exposed Area- 6.45 cm <sup>2</sup> No of Heads- 4						
8	Testubes	Usage/Application- Laboratory Material- Glass Colour- Transparent Maximum Temperature- 400degC Dimension- 1 cm x 8 cm						
9	Petri Dish (150x20)mm	- Type of Product: Petri Dish Manufactured from BORO 3.3 Glass - Dia (mm): 150 - Height (mm): 20 - Diameter x Height (mm): 150x20						
10	Burner	Bunsen Burner Specification:  Heavy Base with stopcock 120mm (4.72") - BRASS PIPE - CAST IRON BASE - For use with LPG - Suitable for LAB USE						
11	Washing/Colour Fastness Tester (Laundrometer)	Material- SS Steel Phase- Single or Three Power- 2750 W Frequency- 50-60 Hz Voltage- 230 V Mode: Digital						
12	Lea Strength Tester (Automatic)	Lea Strength Tester is a device used in the textile industry to measure the strength of yarns, fibers, and fabrics.  Drive- 1 HP Geared Motor Least Count- 0.1 kgf Max. Grip Separation - 1000 mm Min Grip Separation- 100 mm Power- 220V AC 50 Hz						

		Traverse Speed- 300 mm/min						
13	EPI PPI (Counting Glass)	Standard						
14	Microscope (125x to 1000x)	Advance Projection Microscope Magnification- 125x1000x Focus Length- 75 mm Voltage- 220 V AC Glass Diameter- 150 mm						
15	Fixed DRUM Digital Light Fastness Tester:	Grade- Automatic Display type- Digital Material- SS steel Size/Dimension- Standard						

Note: Evaluation shall be done for *each Section separately*.

Note:

1. Evaluation shall be done for all item combinedly for each Section separately.
2. The equipment price shall cover all costs including installation, tests, trials and commissioning at Final (Project Site) Destination as specified in BDS, Transit Insurance cost, Loading unloading.
3. The bidder shall give list of spares for 3 years separately indicating description, quantity, unit price and total price in the above format.
4. The bidder shall furnish the tools required for assembly and/or maintenance of the supplied Goods at the time of Installation.
5. The bidder shall furnish the detailed operations and maintenance manual for each appropriate unit of supplied Goods at the time of Installation.
6. The bidder shall provide training of the Purchaser's operational personnel, at on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods

*\* Payment of GST and other taxes payable for the goods at the time of invoicing, although already included in the total cost, will be at actuals or the rate/amount of these taxes specified in the supply order, whichever is lower.*

We agree to supply the above goods in accordance with the technical specifications for a total contract price (including all taxes and duties) of Rs. .... (Amount in figures) (Rs... amount in words) within the period specified in the Request for Quotations.

We also confirm that the normal commercial warranty/guarantee of .....months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank's sanctions procedures) in competing for or in performing the Contract.

Signature of Bidder

# PROFORMA FOR PERFORMANCE STATEMENT\*

Proforma for Performance Statement (for a period of last 3 years)

RFQ No. \_\_\_\_\_

Date of opening \_\_\_\_\_

Time \_\_\_\_\_ Hours

Name of the Bidder \_\_\_\_\_

<u>Order placed by (full address of Purchaser)</u>	<u>Order No. and date</u>	<u>Description and quantity of ordered Goods/ equipment</u>	<u>Value of order</u>	<u>Date of completion of delivery</u>		<u>In case of Equipment, state if the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee)</u>
				As per contract	Actual	
1	2	3	4	5	6	8

\* This proforma shall be deleted if requirement of Performance Statement is deleted in Clause 4.

Signature and seal of the Bidder



*Purchaser's Requirement*

**1. LIST OF GOODS & RELATED SERVICES AND DELIVERY PERIOD**

Line Item No.	Description of Goods and Related Services	Quantity	Physical unit	Final Destination (Project site)	Desired Delivery Period for completion of supply from the date of the Contract	Bidder's offered Delivery Period [to be provided by the Bidder]
1	2	3	4	5	6	7
<b>A. Pre-Loom Section</b>						
1	Reeling Machine	10	Nos.	M/s BORHOMTHURI PVT. LTD. Vil. 2 No. Srihati, Pub Bongshay, Swualkutchi, Dist. Kamrup, Assam - 781103	30 days from the issue of Purchase Order.	
2	Re-Reeling Machine	2	Nos.			
3	Book Making / Baling Machine *	4	Nos.			
4	Electrical Hot Air Drier for cocoon	1	No.			
5	Pirn Winding Machine (16 Pirns)	3	Nos.			
6	Skien Winder	2	Nos.			
7	Bobbin Winding Machine	2	Nos.			
8	Lacing stand	5	Nos.			
9	Cocoon opener	50	Nos.			
10	Spinning Machine Motorised	15	Nos.			
11	Denier Measuring Machine	1	No.			
12	Yarn Count Machine	2	Nos.			
13	Warp Reel	3	Nos.			
<b>D. Finishing Section</b>						
1	Calendering Machine 72" (5 roller)	1	No.			
2	Peaching Machine	1	No.			
3	Moisture Detection Machine	1	No.			
<b>H. Design Section</b>						
1	Jacquard & Dobby CATD Software	1	No.			
<b>I. Computers and Accessories for Handloom Unit</b>						

1	280 G5 MT, 11th Generation Core i5-9500 Processor	1	No.			
2	Quick Card Punching Machine	1	No.			
3	Computer i7 10th Gen	3	Nos.			
4	Laptop	2	Nos.			
5	Scanner	1	No.			
6	Biometric and surveillance Accessories Control TA	2	Nos.			
	2MP IP Dome camera	10	Nos.			
	2MP IP Bullet camera	15	Nos.			
	32 Channel NVR	1	No.			
7	Exit Button	2	Nos.			
8	Projector MH560	1	No.			
9	Monitor 75-inch Conference Room Display/Monitor	1	No.			
<b>I – Testing Section</b>						
1	GSM Round Cutter	2	Nos.			
2	Hydraulic GSM Round Cutter	2	Nos.			
3	Digital GSM Scale (600gm/0.01gm)	2	Nos.			
4	Electronic GSM Scale (500gm/0.1gm)	1	No.			
5	DIGITAL GSM TESTER	2	Nos.			
6	GREY SCALE (SDC) FOR CHANGE IN COLOUR	2	Nos.			
7	Abrasion cum Pilling Tester	2	Nos.			
8	Testubes	50	Nos.			
9	Petri Dish (150x20) mm	50	Nos.			
10	Burner	4	Nos.			
11	Washing/Colour Fastness Tester (Laundrometer)	2	Nos.			
12	Lea Strength Tester (Automatic)	1	No.			
13	EPI PPI (Counting Glass)	30	Nos.			
14	Microscope (125x to 1000x)	2	Nos.			
15	Fixed DRUM Digital Light Fastness Tester :	2	Nos.			

## 2. TECHNICAL SPECIFICATIONS

Sl. No.	Name of Equipment	Qty.	Technical Specifications	Technical specification offers by the bidder
<b>A. Pre-Loom Section</b>				
1	Reeling Machine	10 Nos.	<ul style="list-style-type: none"> <li>• 4-ends Muga silk reeling machine</li> <li>• Ships with 4 reels</li> <li>• Approved by CSB</li> </ul>	
2	Re-Reeling Machine	2 Nos.	<ul style="list-style-type: none"> <li>• 1-window 4 ends</li> <li>• Geared motor for long life</li> <li>• Approved by CSB</li> </ul>	
3	Book Making / Baling Machine	4 Nos.	Standard model, Approved by CSB	
4	Electrical Hot Air Drier for cocoon	1 No.	<ul style="list-style-type: none"> <li>• Capacity: 100 kg.</li> <li>• Chamber: 18 gauge C. R Sheet outside and inside for 100 kg capacity.</li> <li>• Cocoon Trays: 1/2" Square G.I Mesh or Aluminum perforated trays.</li> <li>• Glass wool Insulation on all the sides to prevent heat loss.</li> <li>• Electronic Digital Temperature Indicator with Controller or Blind Temperature Controller to control and indicate Temperature as per requirement.</li> <li>• Fan with suitable motor for better air circulation inside the chamber.</li> <li>• Heating arrangement is provided by sheathed Air Heaters. For Safety M.C.B, Fuse, Starters and Thermal Overload Protection Relay for fan motors.</li> <li>• The temperature Control accuracy - +/- 2°C . Finished with heat resistant aluminum paint internal and external with Opaline Green color.</li> </ul>	
5	Pirn Winding Machine (16 Pirns)	3	<ul style="list-style-type: none"> <li>• 16 pirns</li> <li>• Pirn winder (bobin winder) machine</li> <li>• 1.00 spindle-40 ,</li> <li>• Motor 1 hp single galli high speed.</li> <li>• Approved by CSB</li> </ul>	
6	Skien Winder	2	<ul style="list-style-type: none"> <li>• Bevel geared mechanism</li> <li>• Approved by CSB</li> </ul>	

7	Bobbin Winding Machine	2	(High speed, 40 Spindles)	
8	Lacing stand	5	Standard model, Approved by CSB	
9	Cocoon opener	50	Standard model, Approved by CSB	
10	Spinning Machine Motorised	15	<ul style="list-style-type: none"> <li>• Silk Spinning machine</li> <li>• Pedal operation attachment</li> <li>• New enclosed design</li> <li>• Approved by CSB</li> </ul>	
11	Denier Measuring Machine	1	<ul style="list-style-type: none"> <li>• Accurate scale,</li> <li>• CSB approved</li> </ul>	
12	Yarn Count Machine	2	CSB approved	
13	Warp Reel	2	<p>Maximum diameter- 100 mm or as required</p> <p>Maximum length of Yarn package- 250</p> <p>Yarn guide- chrome Plated, Pig Tail type</p> <p>Motor- 1/8 HP 220 Volt Single Phase AC</p> <p>Operating speed- 60 RPM</p> <p>Up to 5 legs can be formed at one time</p> <p>Bobbins of up to 100 mm diameter and 250 mm length can be mounted on the base plate</p> <p>The guides move through a distance of 20 mm once every sixteen turns to give a lead of 20 mm width</p> <p>The standard wrap reel is suitable for making either imperial or metric leads composite wrap reel which can make either of the two types of the lead with the help of an additional reel is also available.</p>	
<b>B. Finishing Section</b>				
1	Calendering Machine 72" (5 roller)	1	<p>Cotton Roller 72", MS Roller 72"</p> <p>Basic Structure: - Machine structure will be made of heavy 125 mm M.S. channels. It will be a close body frame which has no need of any type of foundation. Machine will have two rollers fixed vertically on the structure. The heating roller will be above the cotton roller so that we can give the maximum weight and pressure. The heating roller will be well grinded + Hard</p>	

			<p>Chromed and mirror polished.</p> <p>1. Cotton Roller 72" working.</p> <p>2. M.S. Roller 72" working, Size: - 11' x 4'x 5'</p> <p>Weight: - 2500 kg (approx ), Production :- 1500 meter per hour. Power consumption: - 7.5 k/w,</p> <p>Motor:- 3.5 k/w &amp; 960 Rpm</p> <p>Machine will also have a side stand to fix the driving devices. machine will be driven by 5 HP 3 phase Motor. Machine has the manual pressure system which is easy, simple and safe to use.</p> <p>Entry and exit units will be attached with the machine. Entry unit will be made of channels and it will have pipes for tension. The exit unit will have exit roller.</p> <p>Heater: - 4 k/w Energy efficient good quality electric heating system will be used for heating the roll. Steam and LPG gas heating system is also available but only one will be installed in the machine. Automatic Temperature Controller is also available but only for electric heating system.</p>	
2	Peaching Machine	1	<p>Fabric Treatment: One Side</p> <p>Fabric (working) Width: 1600 m.m.</p> <p>No. of Sueding Cylinders: 5 (Five)</p> <p>Fabric Speed: 0 to 25 mts./min.</p> <p>Length / Widht/ Height: 5000/3000/3300 mm.</p>	
3	Moisture Detection Machine	1	<p>Display Type: Digital</p> <p>Resolution: 0.1</p> <p>Display: LCD</p> <p>Operation Humidity: Below 85 RH</p> <p>Moisture level measuring range: 0 - 50%</p> <p>Display digit: 4 digits</p> <p>LCD Display: 10mm LCD</p>	
<b>H. Design Section</b>				
1	Jacquard & Dobby CATD Software	1	Jacquard & Dobby CATD Software (Comprising of following modules- ArahWeave, Arah Paint complete software) and Arah Drape photorealistic 3D Texture	

			mapping software on CD along with soft copy manual) Computer Aided Designing (CAD) for Weaving An open-source CAD tool to optimize the pre-loom process of design creation, generation of graph, and punching the jacquard cards for the weaving with the view the complete garment digitally with various colour combination and size before weaving.	
<b>I. Computers and Accessories for Handloom Unit</b>				
1	11th Generation Core i5-9500 Processor	1	11th Generation Core i5-9500 Processor, DDR4 SDRAM 8GB, HDD 1TB, 21.5 inch, TFT Color Monitor, Microsoft Windows 10 Pro, Keyboard, Mouse, 3 Yrs Warranty	
2	Quick Card Punching Machine	1	Quick Card Punching Machine Alongwith Auto Card Feed Mechanism "Suitable for Hardekar/Handloom Pitch Jacquard" to suited 80/100/120/200/400/600/800/1200 as suggested Hooks card and V-Guard 1KVA stabilizer	
3	Computer i7 10th Gen	3	Processor: 10th Gen Intel Core i7-10700 (2.9 GHz base frequency, up to 4.8 GHz with Intel Turbo Boost Technology, 16 MB L3 cache, 8 cores) - Memory & Storage: 8 GB DDR4-2933 MHz RAM (1 x 8 GB), Upgradable upto 16GB   1TB 7200rpm SATA HDD   Expansion Slots: 2 M.2 (1 for SSD, 1 for WLAN) - Operating System & Software: Window 10 Home   Microsoft Office Home & Student 2019 - Graphics: Intel UHD Graphics 630 - Ports: 4 SuperSpeed USB Type-A (5Gbps), 4 USB 2.0 Type-A, 1 RJ-45, 1 headphone/microphone combo   Optical Drive: Not Present	
4	Laptop	2	Memory and storage: 16GB and 512GB SSD HDD capacity Processor: Intel Core i7-1255U Operating System: Pre-loaded Windows 11 Display: 15.6 Inches screen with 1920 x 1080 Pixels resolution Weight: 1.69 Kg Warranty: 1 Year from the manufacturer from the date of purchase	
5	Scanner	1	Type: A3 Desktop Type Sheet Fed Scanner Scanning sensor unit: CMOS CIS 1 Line Sensor Optical resolution: 600dpi	

Light source: RGB LED  
 Scanning side: Front/Back/Duplex  
 Interface: High speed USB 2.0  
 Dimensions (WxDxH): Tray Closed: 424 (W) x 246 (D) x 120 (H)mm, Tray Opened: 424 (W) x 440 (D) x 210 (H)mm  
 Weight: Approx. 6.1kg  
 Power requirements: AC100-240V (50/60Hz)  
 Power consumption: Scanning: 32.5W or less, Sleep mode: 2.5W or less, Power turned off: 0.5W or less  
 Operating environment: 10 - 32.5 °C (50 - 90.5 °F), Humidity: 20 - 80% RH  
 Environmental compliance: RoHS  
 Scanning Speed: Black and White 60ppm / 120ipm - Landscape speed, Colour 60ppm / 120ipm - Landscape speed  
 Output resolution: 100 x 100dpi, 150 x 150dpi, 200 x 200dpi, 240 x 240dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi  
 Colour mode: Binary: Black & White, Error Diffusion, Advanced Text Enhancement I, Advanced Text Enhancement II, Auto Colour Detection, 8-bit Greyscale:(256-Level), 24-bit colour  
 Suggested Daily Duty Cycle: Approx. 7,500 scans/day  
 Document Specifications: Width 50.8 - 300mm, Length: 70 - 432mm, Thickness: U-turn: 0.04 - 0.15mm (27 - 128g/m<sup>2</sup>) Straight Through: 0.04 - 0.3mm (27 - 255g/m<sup>2</sup>)  
 Long document mode: 3000mm max. (Supported by Straight Feeding)  
 Card scanning: 86 x 54 x 1.4mm (Embossed card scanning is supported)  
 Paper separation: Retard Roller and Pre-separation method  
 Feeder capacity: 80 Sheets (A4, 80g/m<sup>2</sup>)  
 Special Features: Automatic Page Size Detection, Deskew, 3- Dimensional Colour Correction, Colour Dropout (RGB), Auto Colour Detection, Text Enhancement, MultiStream, Preset Gamma Curve, Prescan, Patch Code, Image Rotation, Skip Blank Page, Folio Mode, Scan Area Setting, Text Orientation, Edge

			<p>Enhancement, Moire Removal, Prevent Bleed Through/Remove Background, Character Emphasis, Background Smoothing, Shadow Removal, Double Feed Release (DFR), Double Feed Detection (Ultrasonic Sensor / By Length), Barcode/2D Recognition</p> <p>Bundled Software: Windows- ISIS / TWAIN Driver</p> <p>Capture On Touch Pro Kofax VRS</p> <p>Consumables: Exchange Roller Kit</p> <p>Accessories: A4 Flatbed 102, NA10 or WA10 Network Adapter</p>	
6	Biometric and surveillance Accessories with Control TA	2	<p>Type of System: Fingerprint Access Control, Password Protected Access Control</p> <p>Installation Type: Wall Mounted</p> <p>Screen Size: 2.4 inches</p> <p>Operating Temperature: -10 to +60 Degree Celcius</p> <p>Power Supply: 9 V DC</p> <p>Working Humidity: 20%-60%</p> <p>Working Temperature: 0 deg C-45 deg C</p> <p>Voltage: 12 V</p> <p>Current: 2 Amp</p> <p>Working Current: 500 mA</p> <p>Idle Current: 400 mA</p> <p>False Rejection Rate :more Than 0.01%</p> <p>False Acceptance Rate: more Than 0.0001%</p> <p>Verification Time: Less Than 1.0s,</p> <p>CC TV Camera and control panel -10 nos</p> <p>2MP IP Dome camera - (10)</p> <p>2MP IP Bullet camera - (15)</p> <p>32 Ch NVR- (1)</p>	
7	EXIT Button	2	<p>Switch Type: Touch</p> <p>Material/Body: Metal</p> <p>Phase: Single Phase</p> <p>Operating Voltage: 120V</p>	
8	Projector	1	<p>Display:</p> <p>Brightness (ANSI lumens): 3800</p> <p>Native Resolution: 1080P (1920x1080)</p> <p>Native Aspect Ratio: 16:9</p> <p>Contrast Ratio (FOFO): 20,000:1</p>	



		<p>Display Color: 30-bit (1.07 billion colors)  Light Source: Lamp  Light Source Life: a. Normal 6000 hrs, b. ECO 10000 hrs,  c. SmartEco 10000 hrs, d. LampSave 15000 hrs  Optical:  Throw Ratio: 1.49~1.64  Zoom Ratio: 1.1x  Lens: F/# = 2.56 ~ 2.68, f = 22 ~ 24.1 mm  Projection Offset (Full-Height): 100%  Keystone Adjustment: 1D, Vertical ± 40 degrees  Picture:  Picture Modes: 3D, Bright, Infographic, Presentation,  Spreadsheet, sRGB, User 1, User 2  Compatibility:  Resolution Support: VGA(640 x 480) to WUXGA_RB(1920  x 1200) *RB=Reduced blanking  Horizontal Frequency: 15K~102KHz  I/O Interface:  PC in (D-sub 15pin): (x1)  Monitor out (D-sub 15pin): (x1)  Composite Video in (RCA): (x1)  S-Video in (Mini DIN 4pin): (x1)  HDMI in: (x2), HDMI-1 (1.4a/HDCP1.4), HDMI-2  (1.4a/HDCP1.4)  USB Type A: (x1)  USB Type Mini B: (x1)  RS232 in (DB-9pin): (x1)  Audio:  Speaker: (x1), 10W  Audio in (3.5mm Mini Jack): (x1)  Audio out (3.5mm Mini Jack): (x1)  Environment:  Operating Temperature: 0~40°C  Power Supply: AC 100 to 240 V, 50/60 Hz  Typical Power Consumption (110V): 260W/110V  Acoustic Noise (Typ./Eco.)(dB): 34/29  Accessories:  Remote Control w/ Battery: RCX016  Power Cord (by region): x1 (1.8M)</p>	
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			VGA(D-sub 15pin) Cable: 1 (1.5m) User Manual CD: 1 (24L) 3D Glasses: (Optional), DGD5 Quick Start Guide: (x1) 21L Warranty Card (by region): Yes Universal Ceiling Mount: (Optional), CM00G3 Dimension & Weight Dimensions (WxHxD) (mm): 296 x120 x221 Net Weight (kg): 2.3 Projection System Projection System: DLP	
9	Monitor 75-inch Conference Room Display/Monitor	1	Monitor 75-inch Conference Room display/Monitor.	

### J. Testing Section

1	GSM Round Cutter	2	Uses: To determine the GSM (Grams per square meter) of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc. Technical Specification: Diameter of the cutter- 112.8mm (113mm) Area of the specimen- 100 cm <sup>2</sup> Body- Aluminum for light weight Blades- German LUTZ (4 Nos. reversible blades) Colour- Blue Weight- 2.5 kg	
2	Hydraulic GSM Round Cutter	2	Uses: To determine the GSM (Grams per square meter) of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc. Technical Specification: Diameter of the cutter- 112.8mm (113mm) Area of the specimen- 100 cm <sup>2</sup> Body- Cast iron with power coating Blades- Indian wheel type Colour- Grey Black Weight- 10.2kg	
3	Digital GSM Scale	2	Uses: To determine the GSM (Grams per square meter)	

	(600gm/0.01gm)		<p>of any Fabric, Films, Paper and Rubber Sheet. The GSM Round Cutter is used for accurate cutting of fabrics, paper etc.</p> <p>Technical Specification</p> <p>Capacity- 600gm (60,000 GSM)</p> <p>Least- Count 0.01gm (10mg)</p> <p>Accuracy- 1 GSM</p> <p>Platform size- 130mm</p> <p>Display type- LCD Display with back light</p> <p>Display position- Front and back both</p> <p>Mode of operation- GSM and gram both</p> <p>Indicator- Low battery Indicator and level indicator</p> <p>Features:</p> <ol style="list-style-type: none"> <li>1. Platform cover with acrylic sheet for accurate result</li> <li>2. Rechargeable battery Inbuilt calibration facility</li> </ol>	
4	Electronic GSM Scale (500gm/0.1gm)	1	<ul style="list-style-type: none"> <li>• Capacity- 500gm (50,000 GSM)</li> <li>• Least Count- 0.1gm (100mg)</li> <li>• Accuracy- 4-5 GSM</li> <li>• Platform size- 130mm</li> <li>• Display type- LED Display with back light</li> <li>• Display position- Front</li> <li>• Mode of operation- Gram</li> <li>• Indicator- On/off</li> <li>• Platform cover with acrylic sheet for accurate result</li> <li>• Inbuilt calibration facility</li> </ul>	
5	DIGITAL GSM TESTER	2	<p>ELECTRONIC Model Name/Number: M/S PACK- 2013</p> <p>Material To Be Measured: PP &amp; Metals Covered with Transparent Shield. Stainless Steel tearing templates.</p> <p>Platform Size: 10X10 cm 2 Templates.</p> <p>Color: WHITE &amp; BLUE</p> <p>Usage/Application: GRAMMAGE VALVE OF PAPER</p> <p>Accuracy: 0.00001 gm Capacity: 0-500 gram</p> <p>Frequency: 50 Hz</p> <p>Least Count: 0.01</p> <p>Power Source: 220 V,</p> <p>AC Voltage: 220 V Ready Stock</p>	
6	GREY SCALE (SDC) FOR CHANGE IN	2	<p>GREY SCALE (SDC) FOR CHANGE IN COLOUR FOR ACCESSING STAINING HSN Code: 49119990</p>	

	COLOUR			
7	Abrasion cum Pilling Tester	2	<p>Main parts of the machine:</p> <ol style="list-style-type: none"> <li>1. Holder guide</li> <li>2. Motor on/off switch</li> <li>3. Weight</li> <li>4. Power on/off switch</li> <li>5. Traveller top plate</li> <li>6. Power indicator</li> <li>7. Form</li> <li>8. Electronic counter</li> <li>9. Fabric Disc</li> <li>10. Fabric cover lock</li> <li>11. Tightening holder</li> <li>12. Cranks (3)</li> <li>13. Sample holder</li> </ol> <p>Features of Martindale Abrasion cum Pilling Tester:</p> <ol style="list-style-type: none"> <li>1. Effective speed ratio of outer pegs to inner pegs</li> <li>2. 4 specimen can be tested simultaneously.</li> <li>3. Maximum load (corresponding to pressure of 12KN/m<sup>2</sup>): 790g</li> <li>4. Comprise of stainless steel balls.</li> <li>5. Acrylic Top Plate for safety.</li> <li>6. The Abrasion of the fabric can be tested through two methods.</li> </ol> <p>Features of Martindale Abrasion cum Pilling Tester:</p> <ol style="list-style-type: none"> <li>1. Effective speed ratio of outer pegs to inner pegs</li> <li>2. 4 specimen can be tested simultaneously.</li> <li>3. Maximum load (corresponding to pressure of 12KN/m<sup>2</sup>): 790g</li> <li>4. Comprise of stainless steel balls.</li> <li>5. Acrylic Top Plate for safety.</li> <li>6. The Abrasion of the fabric can be tested through two methods.</li> </ol> <p>Apparatus: (for calculating wear index)</p> <ol style="list-style-type: none"> <li>1. GSM cutter</li> <li>2. Digital balance</li> <li>3. Martindale pilling cum abrasion tester</li> </ol>	

			<p>Specification:  Pilling- 60 mm  Power supply- 230 V AC 50 Hz  Power consumption- 0.2 KWH  Outer Peg Rotational Speed- 48+- 2 RPM  Maximum Available Pressure- 12 KPa  Working Pressure- 3 KPa, 6 KPa, 9 KPa, and 12 KPa  Test specimen exposed Area- 6.45 cm<sup>2</sup>  No of Heads- 4</p>	
8	Testubes	50	<p>Usage/Application- Laboratory  Material- Glass  Colour- Transparent  Maximum Temperature- 400degC  Dimension- 1 cm x 8 cm</p>	
9	Petri Dish (150x20)mm	50	<ul style="list-style-type: none"> <li>• Type of Product: Petri Dish Manufactured from BORO 3.3 Glass</li> <li>• Dia (mm): 150</li> <li>• Height (mm): 20</li> <li>• Diameter x Height (mm): 150x20</li> </ul>	
10	Burner	4	<p>Bunsen Burner  Specification:  Heavy Base with stopcock 120mm (4.72") - BRASS PIPE - CAST IRON BASE</p> <ul style="list-style-type: none"> <li>• For use with LPG</li> <li>• Suitable for LAB USE</li> </ul>	
11	Washing/Colour Fastness Tester (Laundrometer)	2	<p>Material- SS Steel  Phase- Single or Three  Power- 2750 W  Frequency- 50-60 Hz  Voltage- 230 V, Mode: Digital</p>	
12	Lea Strength Tester (Automatic)	1	<p>Lea Strength Tester is a device used in the textile industry to measure the strength of yarns, fibers, and fabrics.  Drive- 1 HP Geared Motor  Least Count- 0.1 kgf  Max. Grip Separation - 1000 mm  Min Grip Separation- 100 mm  Power- 220V AC 50 Hz</p>	

			Traverse Speed- 300 mm/min	
13	EPI PPI (Counting Glass)	30	Standard	
14	Microscope (125x to 1000x)	2	Advance Projection Microscope Magnification- 125x1000x Focus Length- 75 mm Voltage- 220 V AC, Glass Diameter- 150 mm	
15	Fixed DRUM Digital Light Fastness Tester :	2	Grade- Automatic Display type- Digital Material- SS steel Size/Dimension- Standard	

OFFICE OF .....

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**PURCHASE/SUPPLY ORDER**

To:

M/s

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 .....  
 .....  
 .....

Dear Sirs,

Sub: Supply of .....

.....

Ref: Request for Quotation no..... dated .....

- Your quotation no.....of .....(Date) for the supply of ..... has been accepted. You are requested to supply the following goods/equipment at the rates quoted by you and specified against each as per the specifications and terms & conditions specified hereunder:

Serial. No	Brief description of goods/ equipment	Specifications	Quantity to be supplied	Unit Rate (Rs.)	GST*	Total Price (Rs.) including all taxes and duties
1						
2						
3						
4						
5						
			<b>Total</b>			

\*GST and similar other taxes and duties applicable on finished goods. Indicate each applicable tax separately.

- Delivery Period: .....days from the date of issue of this supply order.
- Place of delivery .....
- Consignee Address: .....

5. GST and other taxes and duties, if any will be reimbursed at actual rates paid on the date of supply or the rate/amount shown in 1. above, whichever is lower.
6. Standard Manufactures commercial Warranty/Guarantee shall be..... months from the date of delivery and acceptance.
7. Payment shall be made on delivery or within 7 days of delivery; and acceptance of the goods/equipment.
8. Other terms and conditions are as under:  
.....  
.....

(Purchaser)

Date:

Place:

Name: .....

Designation:.....

*Modify as appropriate for individual cases*