



Indian Jute Industries'
Research Association

*The first co-operative R & D organisation
Since 1937*

ANNUAL REPORT 2024-25



ANNUAL REPORT

2024-2025



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Message from the Chairman

Council of Management, IJIRA

It gives me immense pleasure to present the Annual Report of the Indian Jute Industries' Research Association (IJIRA) for the financial year 2024–25. This year has been extraordinary in many respects, reflecting IJIRA's continued transformation into a dynamic, future-ready R&D institution. The extraordinary progress achieved under the able leadership of the present Director has strengthened IJIRA's dedication to innovation, industry service, and national progress.

Over the past year, IJIRA has continued to deepen its engagement with the jute industry—not just through inspection services, but through **skill development, technical consultancy, and innovative R&D interventions**. These comprehensive efforts have contributed significantly to making IJIRA's balance sheet stronger and more sustainable, enabling the institution to reinvest in **cutting-edge technologies and futuristic programs**, including expansion into **bamboo, flax, ramie, sisal, and other agro-based fibers**.

A key milestone this year has been the **remarkable rise in royalty income**, which has reached the **highest-ever level in the history of IJIRA and among all Textile Research Associations (TRAs)** in the country. This is a strong affirmation of the **industry's growing trust in IJIRA-developed technologies** and the relevance of our innovations in real-time industrial applications, mainly driven by the practical approach adopted by the present Director. As a star performer, he has led Team IJIRA from the front, instilling confidence that they have the ability to consistently deliver fruitful results for the industry.

Of particular note is IJIRA's **pioneering work in bamboo fiber extraction**, a domain where very few countries have demonstrated scalable solutions. The process developed by IJIRA is not only a rare scientific achievement but also holds immense potential for serial production and commercial application. **This innovation must be encouraged, scaled, and integrated into value chains** to support rural livelihoods, sustainability goals, and industrial diversification.

IJIRA has also taken a forward-looking step by **launching a skill upgradation program recognized by NCVT under the NSDC framework**, and is preparing to start **a dedicated skill development initiative for technical textiles** in line with the **directives of the Ministry of Textiles**. These initiatives reflect IJIRA's commitment to capacity building and workforce development for the evolving textile ecosystem.

Beyond the lab and classroom, IJIRA has played a critical role in aligning with national missions and industry needs—its ability to **connect research with the market, and knowledge with practice**, has set it apart as a proactive and industry-linked R&D organization.

On behalf of the Council of Management, I take this opportunity to thank the **Ministry of Textiles**, our **industry partners**, and the **entire team at IJIRA** for their hard work and dedication. With such collective resolve and vision, I am confident that IJIRA will continue to be a torchbearer of excellence, innovation, and inclusive development in the years ahead.

Warm regards,

Shri Siddarth Singh, Chairman

Council of Management

Indian Jute Industries' Research Association (IJIRA)

From the Desk of the Director

It is with great pride and satisfaction that I present the Annual Report of the Indian Jute Industries' Research Association (IJIRA) for the year 2024–25. This year has been exceptional, marked by bold strides in innovation, expanded research frontiers, and enhanced industry engagement—cementing IJIRA's position as a key driver of sustainable transformation in the textile sector.

A defining moment for us was the **International Conference on Nature-Based Solutions (NbS) for Sustainability & Climate Change**, organized jointly by NTTM and IJIRA under the Ministry of Textiles and inaugurated by the Hon'ble Union Minister of Textiles, Shri Giriraj Singh, in the esteemed presence of Hon'ble MoS, Shri Pabitra Margherita. Held in Guwahati, this event reinforced our commitment to sustainable innovation and cross-sector collaboration.

We are particularly proud of the **steep rise in royalty income**, the highest in IJIRA's history—an unequivocal validation of our capacity to translate laboratory research into commercially accepted innovations. This financial milestone is a strong indicator that IJIRA has successfully crossed the "death valley of innovation," achieving serial production impact through industry adoption.

This year also marked a significant national achievement: **IJIRA has become the only institute in India equipped to provide testing services for MOSH/MOAH (Mineral Oil Saturated Hydrocarbons / Mineral Oil Aromatic Hydrocarbons) concentration in jute consignments, especially for export purposes**. This state-of-the-art capability is now actively being extended to **all jute manufacturers and traders across India and Bangladesh**, helping ensure compliance with global safety and regulatory standards—a service of immense value to the export-oriented jute sector.

In keeping with the Ministry's vision of **natural fiber diversification**, IJIRA expanded its research into bamboo, ramie, flax, and sisal alongside jute. Our professionalism and timely execution of multi-fiber projects have yielded measurable, impactful results.

A significant highlight has been the development of a **scalable bamboo fiber extraction technology**, placing IJIRA among the very few textile R&D institutions in the country to achieve such a feat. Building on this success, we inaugurated a **New Fiber Facility** at our pilot plant—dedicated to the upscaling of agro-based fiber technologies—with the Hon'ble Union Minister of Textiles gracing the occasion.

To further boost sustainability and innovation, we also launched a **first-of-its-kind erosion control laboratory at IJIRA-NERC Guwahati**, and are working toward bringing **stitch bonding technology** to India—aimed at producing agro-mulch and erosion control blankets. These initiatives mark a new era for jute and allied fibers, introducing product diversification for agriculture and infrastructure markets.

Our scientific advances in jute continue to empower the industry. This year's breakthroughs include:

- A **retrofit solution for the SD spinning frame**, enabling automation in jute spinning,
- A **commercially viable roller drafter** for improved productivity,
- And progress on a **pneumatic roll-former** to address **MOSH/MOAH contamination** concerns in jute packaging.

IJIRA also takes pride in its growing collaboration ecosystem, having signed **12 MoUs** this year with industry and academic partners—a testament to our expanding relevance and trust in the innovation landscape.

As we reflect on the year gone by, we see a dynamic organization that is not only preserving its scientific legacy but is evolving into a **future-ready institution**. IJIRA stands committed to delivering scalable, sustainable, and high-impact solutions for the textile industry, while upholding our national responsibility toward ecological balance, rural development, and industrial competitiveness.

I extend my heartfelt gratitude to the **Ministry of Textiles**, our **industry partners**, and the **entire IJIRA team** for their continued support and dedication.

Warm regards,

Dr. Anil Kumar Sharma, Director

Indian Jute Industries' Research Association (IJIRA)

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SECTION I

Areas of Work & Achievements (2024-25)

Indian Jute Industries' Research Association (IJIRA)

Catalyzing Innovation and Sustainability in the Jute Sector Since 1937

The Indian Jute Industries' Research Association (IJIRA), established in 1937, is the first cooperative R&D institute set up by the jute industry in India. Headquartered in Kolkata and registered under the West Bengal Societies Registration Act, 1961, IJIRA operates as an autonomous cooperative research organization linked to Ministry of Textiles, Govt. of India.

Governed by a 14-member Council of Management comprising representatives from the jute industry, premier institutions, and technical experts, IJIRA is led by its Director, who serves as both the Principal Executive Officer and Member Secretary of the Association.

Mandate and Objectives

IJIRA is dedicated to promoting scientific research, technology development, skilling, testing, and quality assurance in the jute and allied fiber sectors. Its key mandates include:

- Enhancing productivity and product quality across the jute value chain
- Facilitating transfer of technologies and know-how to industry
- Supporting policy formulation and implementation for the jute sector
- Providing HRD, testing, certification, and consultancy services
- Promoting technical textiles and diversified jute products

Infrastructure and Capabilities

IJIRA possesses state-of-the-art infrastructure, including:

- 10 NABL-accredited laboratories for physical, chemical, and eco-testing of jute and textile products
- 3 pilot plants covering 54,000 sq. ft. for sample production and technology demonstration
- A well-stocked technical library housing over 6,500 books and numerous journals
- Advanced instrumentation for quality testing, product development, and eco-friendly processing
- Future Natural Fiber Facility created for extracted natural fiber economically and improving processes

R&D Milestones and Contributions

Over its 86-year journey, IJIRA has made substantial contributions to the jute sector:

- Commercialization of breakthrough technologies like RBO softening, TKP-based sizing, electronic moisture meters, and standardized jute bag designs

- Publication of 1,000+ research papers and filing of 130 patents
- Pioneering the development of technical jute textiles (geo, agro, packtech, mobiltech, meditech)
- Serving as a national reference center for inspection, certification, and quality assurance of jute goods

Regional Outreach and Sectoral Support

IJIRA operates a North Eastern Regional Centre (NERC) in Guwahati, Assam, to promote jute-based industrialization in the region. NERC houses:

- A Powerloom Service Centre (PSC) under the Office of the Textile Commissioner
- A Garment Manufacturing Training Centre (GMTC)
- Testing and eco-laboratories
- Entrepreneurship training facilities tailored to the NE states
- Unique soil erosion testing laboratory for testing effectiveness of various erosion control blankets

Strategic Realignment and Revenue Growth

To align with contemporary industrial needs and funding models, IJIRA is transitioning towards a self-sustaining, service-oriented R&D approach, focusing on:

- Commercialization of proven technologies
- Bridging the gap between lab-scale innovations and market-ready solutions
- Delivering value-added testing, certification, and consultancy services
- Providing technical support and troubleshooting to jute mills
- Conducting inspection services for quality enforcement

Membership

As of 2024–25, IJIRA has 61 members, including 54 primary members from the jute industry.

Highlights of Key Activities (2024–25)

1. Research and Development

- Quality upgradation of raw jute for high-grade applications
- Development of eco-friendly agromulch as alternatives to plastic mulch
- Upgradation of industry-relevant instruments for fiber quality assessment
- Extraction of bamboo fiber and its blends with cotton and viscose
- Enhancement in S4A loom performance
- Retrofit for spinning frame
- Commercialization of roller drafting technology

2. Productivity Enhancement

- Sector-specific interventions to improve efficiency and process optimization in jute mills

3. Consultancy Services

- Process audits and quality enhancement strategies
- Solutions for chemical/biochemical processing and environmental compliance
- Commercialization of technical textiles in agriculture, infrastructure, and packaging

4. Technology Transfer

- Dissemination of lab-developed innovations to mills and MSMEs
- Field trials and demonstrations across key jute-producing regions

5. Inspection & Quality Assurance

- Quality inspection of B. Twill jute bags for State Procurement Agencies and NAFED
- Certification of Food Grade Jute Products (FGJP) and other value-added jute goods

6. Support to Government Agencies

- Technical assistance to National Jute Board (NJB) and Office of the Jute Commissioner

7. Activities of IJIRA-NERC, Guwahati

- Field demonstrations and regional skill development
- Technical services through physical and eco-testing labs
- Entrepreneurship support for the Powerloom sector of Assam
- Created unique soil erosion testing laboratory for testing effectiveness of various erosion control blankets

8. Testing, Certification & Standardization

- Expansion of NABL-accredited services
- Contribution to BIS standards for jute products

9. Digitalization & IPR

- Development of IT tools and MIS for internal efficiency
- Filing and management of patents and IP from newly developed technologies

10. Dissemination & Publications

- Publishing technical papers, patents, and updates on R&D initiatives
- Organizing seminars, workshops, and stakeholder interactions

Conclusion

As the only institution globally dedicated to R&D in natural fibers including jute processing, IJIRA continues to be a cornerstone of innovation, sustainability, and industry support in India's natural fiber sector. With renewed focus on commercialization, regional outreach, and technical excellence, IJIRA is committed to driving the future of jute-based solutions for a greener and more inclusive economy.

SECTION II

Details of R&D Activities (2024-25)

R&D Activities of IJIRA

1. Pioneering Bamboo Fiber Innovation: IJIRA Sets a New Milestone in Sustainable Textile R&D

In a landmark achievement, IJIRA has successfully undertaken **India's first initiative for indigenous development of bamboo fiber** tailored for textile applications—marking a **transformational step in the diversification of natural fibers** beyond traditional jute. With growing global demand for sustainable alternatives to synthetic fibers, this project positions IJIRA and India at the forefront of green textile innovation.

First-of-its-Kind R&D in India: Unlocking the Potential of Bamboo Fiber

Bamboo, long recognized for its fast growth and renewable nature, remained underutilized in India's textile sector due to limitations in fiber extraction and quality. IJIRA has addressed this gap by developing a **cutting-edge enzymatic consortium** that enhances **fiber softness, fineness, and spinnability**—a breakthrough for both handloom and powerloom sectors.

This is the **first project in India** that not only establishes a **complete value chain for bamboo fiber extraction**, but also ensures compatibility with **wool and viscose blending**, thus expanding its scope across apparel, technical textiles, and eco-fashion domains.

Timely Execution and Remarkable Output in Just Three Months

The project's success lies not only in its scientific innovation but also in the **speed and scale of execution**, reflecting IJIRA's enhanced operational efficiency and mission-oriented research culture:

- **Processing of 1,500 bamboo stalks** within a short time window led to the production of **1,200 kg of high-quality sliver**, transported from IJIRA-NERC Guwahati to IJIRA Kolkata for fiber extraction.
- From this intensive process, **260 kg of bamboo fiber** was extracted, of which **40 kg of soft fiber is already ready** for trials with **wool-blend spinning**, and another **50 kg is under processing** for **viscose-blend trials**.
- This output has laid the foundation for **pilot-scale spinning** and commercial feasibility assessments in collaboration with mill partners and textile clusters.

R&D with a Future Vision: Applications and IPR

IJIRA's bamboo fiber innovation is not a standalone success but part of a **strategic roadmap** toward:

- **High-value yarn development** from bamboo-wool and bamboo-viscose blends
- Replacement of imported regenerated fibers in technical textile segments
- Enabling **self-reliant rural fiber value chains** using India's abundant bamboo resources

The technological novelty and industrial potential of this development are underscored by the **filing of two patent applications**, ensuring intellectual property protection and future scalability through licensing or public-private partnerships.

Conclusion: Laying the Foundation for a Green Textile Revolution

This path-breaking project not only exemplifies IJIRA's scientific leadership but also reinforces its relevance in **India's natural fiber transformation journey**. By harnessing bamboo—a renewable and underexploited resource—IJIRA is paving the way for **eco-friendly, commercially viable and globally competitive textile innovations**.

The successful and timely execution of this project within just three months reflects the organization's commitment to **accelerated innovation, sustainability, and industry-aligned research**, aligned with national priorities such as 'Make in India,' 'Vocal for Local,' and 'Circular Economy'.

Pilot plant reconstruction:

Efforts are underway to establish a pilot plant at IJIRA for the extraction of soft bamboo fiber. The following equipment has been installed :

- Automatic Fiber Opener (capacity to be confirmed post-installation)
- Two Retting Tanks (100 kg capacity each)
- HT-HP Decorticating Machine (100 kg capacity)
- Hydroextractor (100 kg capacity)
- Prototype of a Multiple Rollers Machine to reduce labor requirements
- A prototype Enzymatic Reaction Reactor, with plans for an optimized bulk-scale reactor
- Newly developed Future fiber facility was inaugurated by HMoT

2. Promoting Sustainable Agriculture through Organic Agromulch: An Eco-Friendly Alternative to Plastic Mulch

In pursuit of sustainable solutions for the agricultural sector, IJIRA has developed and field-validated a range of biodegradable organic agromulches as an environmentally responsible alternative to conventional plastic mulch films. Made from natural jute caddies and

Deccaniwool blends in 75:25 and 60:40 ratios and available in 350, 400, and 450 GSM variants, these organic mulches offer soil-enriching, moisture-conserving, and weed-suppressing benefits—without contributing to plastic waste or microplastic contamination.

Field trials conducted across diverse agro-climatic zones and crop categories have demonstrated the superior agronomic performance of IJIRA's organic agromulch:

- **Brinjal (Murshidabad, West Bengal):**Yield increased by 37.3%, with improved soil nutrient retention sustained over 150 days.
- **Broccoli (KVK Murshidabad):**Yield enhancement of 56.67% over control plots, outperforming plastic mulch.
- **Date Palm (Bikaner, Rajasthan):**Lower soil surface temperature and improved moisture retention resulted in a 13% increase in fruit sweetness (Brix value).
- **Cabbage (Assam Agricultural University):**59% increase in plant height, 38.5% larger curd diameter, and 14% greater curd weight compared to unmulched control.
- **Strawberry (Assam):**11.9% higher yield than control and 8.6% more than plastic mulch, with fruit weight improved by up to 41% over unmulched produce.

These results highlight the potential of organic agromulch to replace petroleum-based plastic mulches in a cost-effective, scalable, and environmentally sound manner. The technology not only boosts crop yield and quality, but also aligns with the principles of circular economy and regenerative agriculture.

This innovation is a testament to IJIRA's commitment to eco-conscious R&D and the promotion of sustainable livelihoods, especially in rural and resource-sensitive regions of India.

3. Rainfall-Induced Soil Erosion Control Using Natural Fiber-Based Geotextiles (NTTM Project M202)

IJIRA, under the NTTM initiative of the Ministry of Textiles, has launched a pioneering project to develop laboratory and field-scale models for assessing the effectiveness of natural fiber-based geotextiles (jute, coir, etc.) in mitigating rainfall-induced soil erosion and enhancing slope stability in the North Eastern Region of India.

The project achieved the following milestones so far:

- 100% recruitment of manpower and procurement of all laboratory equipment including:

- A custom-designed Shear Stress Test Apparatus to evaluate the resistance of un-vegetated geo-textiles under hydraulic shear conditions.
- A Rain Splash Simulation Setup to assess early-stage erosion mitigation.
- Sedimentation Retention Devices for benchmarking filtration performance in high-rainfall conditions.
- A comprehensive field survey across the North East was completed, generating critical data on topography, soil types, and vegetation for simulating real-world erosion scenarios.
- Initiated preparations for field instrumentation including rainfall gauges, runoff monitoring troughs, and subsurface piezometers to capture data for in-situ validation.

This project represents a strategic step toward nature-based erosion control and climate-resilient infrastructure for vulnerable hill ecosystems in India's North East.

4. Digital Jute Moisture Meter – Bluetooth (DJMMB) - Empowering Farmers with Compact, Smart, and Cost-Effective Moisture Sensing

In line with IJIRA's commitment to strengthening quality control and promoting digital empowerment across the jute value chain, a **farmer-friendly version** of the **Digital Jute Moisture Meter (DJMM)** has been successfully developed. This **miniaturized, Bluetooth-enabled model**, known as **DJMMB**, retains the core functionalities of the original device while being significantly **more compact, portable, and cost-effective**, specifically tailored for use by farmers and grassroots stakeholders.

Responding to field-level feedback and the need for ease of mobility, IJIRA engineers achieved a **drastic reduction in device weight**—from **2.9 kg to just 750 grams**—by replacing the traditional lead-acid battery with a **lightweight lithium-ion battery**. Strategic design and component optimizations have also led to **substantial cost reductions**, making the device more accessible to the farming community without compromising on accuracy or performance.

The DJMMB enables farmers to conveniently and reliably measure **moisture levels in raw jute**, thereby facilitating improved **post-harvest handling, reduction of quality losses**, and ensuring **fairer price realization** at procurement points.

Following a successful field demonstration, the **Jute Corporation of India (JCI)** placed an order for **125 units**, all of which were delivered as per their operational requirements. This milestone highlights the increasing integration of **digital tools for quality assurance** at the primary procurement level.

Additionally, during the reporting period, **10 units of the farmer-specific model** and **24 units of the Bluetooth-enabled version** were procured by **cooperative societies and jute industry stakeholders**, further validating the growing trust in IJIRA's technology and its relevance in driving **digitization and transparency** in jute marketing and quality assurance systems.



Bluetooth enabled Digital Jute Moisture Meter



Digital Jute Moisture Meter for Farmer

5. Accelerated and Eco-Friendly Jute Retting with IJIRA-SUBHRA:

Retting is a vital step in jute fiber extraction, traditionally requiring 18–25 days and large volumes of water—an increasing concern in the face of water scarcity. To address this challenge, IJIRA has developed **IJIRA-SUBHRA**, a novel microbial consortium that significantly accelerates the retting process while promoting environmental sustainability.

Under the Jute I-CARE initiative, **50 metric tons of IJIRA-SUBHRA** have been distributed to jute farmers across West Bengal and Assam through the Jute Corporation of India, facilitating large-scale adoption of this technology.

Key Benefits of Retting with IJIRA-SUBHRA:

- **Faster Retting:** Reduces retting duration to **9–14 days**, compared to 18–25 days in traditional methods.
- **Improved Water Efficiency:** Retting ponds can be reused multiple times within the same season.
- **Enhanced Fiber Quality:** Improves fiber grade by **1.0 to 1.5 levels**, boosting market value.
- **Clean and Odor-Free:** Ensures a hygienic and environmentally friendly retting process.
- **User-Friendly:** Simple application, well-suited to small and marginal farmers.
- **Versatile:** Proven effectiveness across diverse geo-climatic conditions.

- **Economically Beneficial:** Increases profitability for jute growers through better quality output and reduced input costs.

This technology represents a major step toward sustainable jute cultivation and supports IJIRA's mission of empowering farmers through innovation.

6. Biochemical root softening of hard root:

To reduce raw material wastage and improve cost-efficiency in jute bag manufacturing, IJIRA has developed an innovative biochemical root softening formulation in both liquid and dry forms. Traditionally, approximately 6% of raw jute is discarded due to the stiffness of root ends, impacting overall yield and increasing production costs—particularly in the manufacture of B. Twill bags for government supply.

The newly developed formulations effectively reduce the flexural rigidity of the jute root ends while preserving bundle strength. This allows for the incorporation of up to 15% softened root material into the batching process without affecting fiber spinnability or yarn quality. By minimizing raw material rejection and lowering batching costs, this technology supports more economical and sustainable jute processing, contributing to favorable price fixation in government procurement.

7. Development and Deployment of “IJIRA-SONALI” – A Breakthrough in Jute Brightening Technology:

To address the persistent issue of poor fiber quality due to stagnant water retting, IJIRA has developed IJIRA-Sonali, a novel, eco-friendly brightening formulation that restores the natural golden luster of jute without affecting its mechanical strength. This cost-effective, single-step treatment removes surface impurities and enhances the color, purity, and market value of jute and other bast fibers.

Commercially adopted by six jute mills, including Aditya Translink Pvt. Ltd. and Birla Jute Mill (Birla Corporation Ltd.), IJIRA-Sonali has demonstrated significant industrial impact, with chemical supplies worth ₹1.2 crore accepted for regular use. The technology holds the potential to boost farmer incomes by up to ₹2000 per metric ton and supports sustainable fiber processing through biodegradable ingredients and seamless workflow integration.

8. Development of New Drafting System for Jute Drawing

A Commercial scale roller drafting jute finisher drawing frame with two carrages & four deliveries has been developed and its test run is going on in actual production shop floor in a jute mill.

9. Easy Draft System:

The *Easy Draft System* is an innovative retrofit solution designed to simplify the adjustment of draft settings in conventional jute spinning frames, particularly in decades-old gear-driven spinning machines widely used across the jute industry. Traditionally, modifying the draft required manual replacement of the Draft Change Pinion—a time-consuming and mechanical-intensive process that involved coordination between the quality control/production departments and the mechanical maintenance team. Each spinning frame typically required a dedicated inventory of draft pinions, and in some cases, even machine constants had to be adjusted to achieve the desired draft.

The Easy Draft System addresses these inefficiencies by integrating a mechanical arrangement with an electronic controller, allowing draft settings to be altered quickly and precisely without manual gear replacement.

Key Advantages:

- **Reduced Inventory:** Minimizes the need to maintain large stocks of Draft Change Pinions for each spinning frame.
- **Operational Efficiency:** Eliminates the frequent requirement of mechanical fitters for draft adjustment tasks.
- **Enhanced Yarn Quality:** Enables swift and precise draft setting, improving consistency and quality of yarn output.

Commercial Implementation:

During the financial year 2024–2025, the Easy Draft System was successfully commercialized and implemented in the following jute mills:

1. Bally Jute Company Ltd.
2. Hukumchand Jute Mill
3. Birla Corporation Ltd. – Unit: Birla Jute Mills
4. Kamarhatty Co. Ltd.

This development represents a significant step forward in modernizing legacy jute spinning operations and aligns with broader efforts to enhance productivity and quality in the jute sector through practical technological innovation.

10. Morah Weight Control and Monitoring System:

IJIRA developed control and monitoring system of morah weight for selection zone. Commercial model has been developed and implemented at several jute mills. After installation of this “Morah Weight Control and Monitoring System” mill can get the details of morah weight distribution values, average morah weigh of the morahs in a barrow, CV%,

Maximum morah weight, Minimum morah weight as well as percentage of jute morah weight under mill specified range, over the range and below the range.

Commercialization: In the financial year 2024-2025, Morah Weight Control and Monitoring System commercially implemented at,

1. Ludlow Jute & Specialties Ltd.
2. Shaktigarh Textile & Industries Limited (Unit : Shaktigarh)
3. Birla Corporation Ltd. Unit : Birla Jute Mills
4. Kamarhatty Co.Ltd.

11. Pneumatic Controlled Roll Former at Carding Machine

IJIRA has developed a pneumatic controlled roll-former instead of oil pump controlled roll-former. In this regard, a pneumatic pump has been installed at back side of roll-former and has been operated by pressure valve, release valve and controller. Roll pusher arrangement has been fitted in roll receiver also controlled by a pneumatic cylinder. Carding sliver moisture and roll weight automatic displayed on HMI screen through weight and moisture sensor. The system installed in Shyamnagar North Jute Mill for shop floor trial. Following study has been carried out and observation has been tabulated below:

Table – 1: Comparison of pressure requirement to form a roll (kg/cm²)

Description	Pneumatic controlled Pump	Conventional oil controlled Pump
Required pressure to form a roll (kg/cm ²)	7 – 12	15 – 42

Table – 2: Comparison of significant energy savings

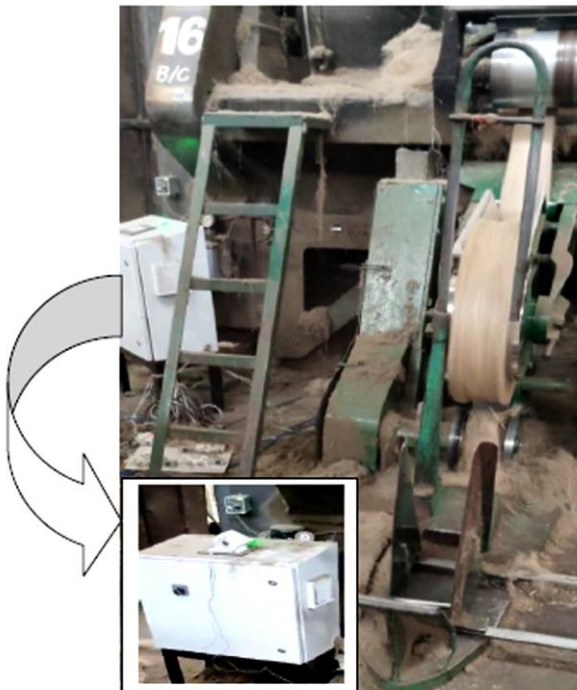
Description	Pneumatic controlled Pump	Conventional oil controlled Pump
Machine No.	16	13
Duration of study	03.12.24 – 05.12.24	09.12.24 – 11.12.24
Total Time (hours)	33.3	34.05
Total Energy Consumption (kwh)	231.3	305.9
Average energy consumption per hour (kwh)	6.95	8.98



Pneumatic controlled Roll former with pneumatic pusher



Control panel with HMI Screen



Pneumatic controlled Roll former with PLC

Salient features of the project:

1. Reduce contamination of mineral oil in delivered carding rolls to comply with respect to MOSH/MOAH concentration in the exports of Food Grade Jute Products.
2. Minimization of mechanical mechanism of oil controller
3. Energy saving and work friendly modernized system in the jute fiber processing
4. Online detection of weight and moisture of each rolls at carding stage

12. Development of High-Capacity Jumbo Jute Bag (1.8 MT):

IJIRA has successfully designed and developed a Jumbo Jute Bag with a carrying capacity of 1.8 metric tonnes (MT), intended for use in soil reclamation and erosion control along coastal areas, riverbanks, and other environmentally sensitive zones.

This high-capacity bag is made entirely from natural fibers — jute and sisal, ensuring both strength and sustainability. The innovation aligns with eco-friendly practices by offering a biodegradable alternative to synthetic geo-containers.

Key Features:

- **Load capacity:** 1.8 MT
- **Materials used:** 100% natural fibers (jute and sisal)
- **Application:** Coastal soil reclamation and riverbank protection

After successful load-bearing trials, the technical design was finalized. Subsequently, 15 prototype jumbo jute bags were fabricated and dispatched to the user agency for commercial-scale field trials.

This development marks a significant step toward promoting sustainable, high-performance jute-based solutions in civil and environmental engineering sectors.

Introduced an innovative land reclamation solution using jute-based jumbo bag, particularly relevant for coastal areas affected by rising sea levels and land scarcity.

13. Development of Ball Bursting Strength Testing Method for Jute Fabrics and Bag Seams:

IJIRA has developed an innovative Ball Bursting Strength Test and a corresponding instrument to evaluate the strength of jute fabrics and B Twill bag seams. This method applies multi-directional force, closely simulating real-world load conditions.

The newly developed system uses a 50 mm diameter ball pressing against fabric mounted in a 100 mm ring. The resulting burst and strength values are displayed digitally. This method significantly reduces testing time, simplifies sample preparation, minimizes fabric wastage, and replaces traditional warp-way and weft-way strip tests with a single sample.



**IJIRA Developed
Ball Bursting Machine**

Key Advantages of the Ball Bursting Method:

- **Faster testing time** compared to conventional strip testing methods.
- **Simplified sample preparation** process.
- **Single test replaces the need for two strip tests** (warp and weft directions).
- **Reduced fabric wastage.**
- **User-friendly and easy-to-operate system.**

Commercialization and Industry Adoption:

The ball bursting strength testing system has been successfully **commercialized** for use in jute fabric and **B-Twill bag seam strength testing**. A dedicated instrument has also been developed by IJIRA for this purpose. Notably, **Gloster Ltd.** has procured this newly developed equipment for commercial application.

Development of National Test Standard:

Based on IJIRA's research, the **Bureau of Indian Standards (BIS)** has proposed a new test standard titled:

“Textiles — Bursting Properties of Fabrics: Steel Ball Method for Determination of Bursting Strength and Bursting Distribution.”

The proposed standard is currently under consideration by the **TDX 01 committee** following wide circulation and stakeholder feedback.

14.To Study the Packaging Practices of Jute Products for Domestic and Export Trade(BIS Project Code: TXD 0172)

This project focused on evaluating and enhancing the packaging materials and methods used for jute products in both domestic and export markets. The quality of available jute pack sheets, PET straps, and steel straps were systematically assessed in accordance with IS 2873 standards. Key outcomes include the finalization of a new specification for jute pack sheets and the revision of specifications for PET and steel straps to meet current industry requirements. Additionally, an alternative packing system using jute rope has been developed.

Work done:

- Samples of existing pack sheets, PET straps, and steel straps were collected and tested across various accredited laboratories.

- Comprehensive production and quality control data for pack sheets, PET straps, and steel straps were gathered directly from manufacturing facilities.
- The specification for a newly developed pack sheet, produced on an S4 A rapier loom, was finalized following extensive testing, including drop tests to validate its serviceability. Notably, the prior pack sheet specifications in conformance with IS 2873 could only be manufactured using shuttle looms.
- The specifications for PET and steel straps were revised to better align with current industry needs and operational requirements.
- Trials were conducted using jute rope as an alternative packaging material for jute bales, demonstrating its viability and effectiveness.
- The draft standard of the revised specifications has been circulated by BIS to members of the TXD 03 Committee for final review and approval.

15. Study of the constructional and performance requirements for jute geotextiles used in rainwater erosion control in road and railway embankment and hill slopes” (BIS Project Code- TXD 0273).

Literature survey on use and development of jute open weave soil saver has been completed. Survey of different jute mills, manufacturing jute open weave soil saver are completed and related data are collected from mills along with available samples. Samples are sent to the 3rd party lab for testing as well as started testing at IJIRA laboratory. Communication with the jute mill for development of new open weave soil saver is also started.

International Conference 2025: Fostering Innovation in Natural Fibre Technologies

A prestigious Two-Day International Conference, sponsored by the National Technical Textiles Mission (NTTM) under the Ministry of Textiles, Government of India, was held on 1st and 2nd December 2024 at Taj Vivanta, Guwahati, Assam. The event witnessed an impressive gathering of over 300 distinguished participants, including policymakers, researchers, technocrats, and industry leaders, fostering an environment of vibrant discussions and forward-looking strategies.



The conference was graced by several eminent dignitaries, including:

- **Shri Giriraj Singh**, Hon'ble Minister of Textiles
- **Shri Pabitra Margherita**, Hon'ble Minister of State, MoT
- **Dr. V.K. Saraswat**, Hon'ble Member, NITI Aayog
- **Smt. Rachna Shah**, Secretary, Ministry of Textiles
- **Shri Rajeev Saxena**, Joint Secretary, MoT
- **Shri Siddharth Singh**, Chairman, IJIRA
- **Shri Rishav Kajaria**, Dy. Chairman, IJMA

Major Themes and Key Takeaways

The conference aimed to shape the future of India's natural fiber ecosystem through eco-innovation, global partnerships, and policy alignment. Some of the major deliverables and recommendations included:

1. Emphasis on Eco-Friendly Technologies

The conference called for NTTM to prioritize R&D in eco-friendly extraction techniques for natural fibers such as bamboo, ramie, pineapple, and banana, aligning with global environmental mandates and unlocking the economic potential of these sustainable resources.

2. Bridging Technology Gaps

The need to bridge the gap between academia and industry was a key discussion point. Institutions like IJIRA were encouraged to play a pivotal role in technology transfer, enabling smoother transition of innovations from lab to market through structured Technology Readiness Level (TRL) approaches.

3. Global Collaboration

Collaborative projects with international institutes experienced in natural fiber applications were strongly recommended. Successful models from countries like China demonstrated how prototypes developed abroad can be adapted and scaled by Indian research organizations in partnership with domestic industries.

4. Strategic Funding Allocation

Drawing from international best practices, it was proposed that 80% of research funds be directed towards commercialization and 20% towards basic research. This funding model, effectively followed in Singapore, Malaysia, USA, Korea, and Vietnam, can significantly enhance research outcomes.

5. Strengthening the Composite Fiber Supply Chain

To transition from synthetic to natural fiber composites, the development of a robust, end-to-end supply chain was emphasized. Proximity of raw fibers to development hubs and value addition at each stage were identified as crucial success factors.

6. Tackling Supply Chain Challenges for Hemp and Flax

The global shift to natural alternatives in automotive and industrial sectors necessitates resolving existing bottlenecks in the hemp and flax supply chains. R&D efforts should target lightweight applications such as battery trays and underbody parts using jute, bamboo, and ramie.

7. Life Cycle Assessment (LCA)

To bolster market acceptance, the importance of conducting life cycle assessments of new natural fiber-based components was highlighted. Scientific data from LCA will substantiate the environmental and technical benefits to stakeholders and end-users.

8. Quality Control and Compliance with Global Standards

With stringent European regulations (MOSH-MOAH) set to take effect in 2025, the conference underscored the urgency of adopting advanced quality control protocols for food-grade jute bags. IJIRA's capabilities in certification and the adoption of new oil-free processing technologies were acknowledged as critical steps in aligning Indian exports with global norms.

Conclusion

The International Conference 2025 acted as a catalyst for unified action in reimagining India's natural fiber economy. It laid out a comprehensive roadmap encompassing sustainability, innovation, global collaboration, and regulatory alignment—paving the way for India to emerge as a global leader in natural fiber-based technical textiles.

Participation of IJIRA in Bharat-Tex, 2025

IJIRA made a notable impact at Bharat Tex 2025, one of India's largest textile expositions, held from February 14–17, 2025 at Pragati Maidan, New Delhi. The event served as a dynamic platform for showcasing cutting-edge developments in natural fiber technologies, aligning with the growing national and global focus on sustainability.

IJIRA's stall attracted significant attention from industry experts, policymakers, entrepreneurs, and researchers, drawing over 500 visitors throughout the four-day event. The institute presented a compelling array of innovations that offered practical, eco-conscious alternatives to conventional materials.

Key Technologies and Innovations Displayed:

- **Bamboo Fiber Extraction and Blended Yarns**
Demonstrated a sustainable process for extracting bamboo fiber and developing blended yarns with commercial viability in textiles and garments.
- **Economical Agromulch as an Alternative to Plastic**
Showcased a cost-effective, biodegradable agromulch solution for farming—aimed at replacing environmentally harmful plastic mulch.

- **Sustainable Auto Components**

Displayed lightweight, non-functional automotive parts made from natural fibers, supporting green mobility initiatives.

- **Jumbo Jute Bags for Land Reclamation**

Introduced an innovative land reclamation solution using jute-based jumbo bag, particularly relevant for coastal areas affected by rising sea levels and land scarcity.

- **Utilization of Guard Hair from Pashmina Goats**

Highlighted techniques to repurpose coarser guard hair into value-added products like tents, quilts, and cold-weather garments, promoting zero-waste utilization of natural resources.

In addition to its main pavilion, IJIRA also featured prominently at the “Fibers of New Bharat” stall, a National Technical Textiles Mission (NTTM)-led initiative. Here, bamboo fibers, blended yarns, and garment samples were presented to a focused audience seeking future-ready, eco-friendly textile alternatives.

Conclusion

IJIRA’s active presence at Bharat Tex 2025 reaffirmed its role as a frontrunner in green innovation and sustainable textile technology. With strong visitor engagement and industry recognition, the showcase reflected the institute’s unwavering commitment to driving India’s natural fiber revolution and contributing to a more resilient, circular textile economy.



Section III

Patent & Publications

Paper submitted / Published :

❖ Emulsion in Jute Fiber Processing: Mechanism, Method and future prospect:

A paper “Fiber Length & its importance in textiles” has been published in Technical Magazine of IJT Alumni Association January 2025.

“Innovative Methodology for Easy Strength Assessment of Jute B Twill Bag Fabric” - published by International Journal of Textile and Fashion Technology (IJTFT), ISSN (Print): 2250-2378; ISSN (Online): 2319-4510, Vol. 14, Issue 1; Jun 2024, 1-8

Two Papers “New Drafting System for Jute Drawing” and “Development of retrofit automation technology in conventional jute spinning frame” have been presented in 62nd Joint Technological Conference (JTC) at NITRA, Gaziabad, UP.

Patent application for IJIRA developed technologies :

The complete specification of “Digital Moisture meter with and without Bluetooth” – Patent application no. E-2/423/2024/KOL 202331042115 dated 21.12.2024

Section IV

Technical Services & Mill Studies (2024-25)

Technical Services

Inspections

1. Pre-Shipment Quality Inspection of B. Twill Jute Bags

IJIRA, in its capacity as an empanelled Inspection Agency of the Office of the Jute Commissioner, Ministry of Textiles, Government of India, continues to play a vital role in ensuring the quality of jute bags procured under government initiatives. As part of its mandate, IJIRA conducts pre-shipment quality inspections of B. Twill jute bags procured by the Government of India through various State Procuring Agencies (SPAs).

During the financial year 2024–25, IJIRA successfully carried out **7,428 inspections**, covering a total of **14.66 lakh bales**. These inspections ensure compliance with prescribed quality standards, support fair procurement practices, and reinforce the trust in jute as a sustainable packaging material.



2. Inspection of Jute Bags for NAFED

In addition to its inspection responsibilities under the Office of the Jute Commissioner, IJIRA also extends its quality assurance services to other national agencies. Notably, IJIRA conducts pre-dispatch inspection of jute bags procured by the **National Agricultural Cooperative Marketing Federation of India Ltd. (NAFED)**. This initiative reinforces IJIRA's role as a trusted inspection body, ensuring that the jute bags meet the specified quality standards required for agricultural and cooperative sector use.

3. Quality Assurance of Food Grade Jute Products

Services on quality assurance of Food Grade Jute Products (FGJP) have been provided to seventeen Jute Mills who have renewed their Process Capability license from IJIRA to manufacture FGJP for the year 2024-25. A total of 84 lots of FGJP bags have been inspected & tested as per IJO 98/01 and certified by IJIRA for export. In addition, interim process audit of the manufacturing process of FGJP at 17 nos. licensed mills has also been carried out by IJIRA.

- ✓ The technology has been implemented at Shaktigarh Textile & Industries Limited, Barsul

4. Inspection of Jute Shopping Bags for Mahakumbh Mela

IJIRA's inspection team carried out quality inspection of 10 kg capacity jute shopping bags procured by Shaktigarh Textile & Industries Limited. These bags were intended for distribution during the Mahakumbh Mela, held in January–February 2025. The inspection ensured that the bags met the required quality standards, contributing to the promotion of eco-friendly alternatives and supporting the widespread use of sustainable jute products at large public events.

Training and Technical Assistance to Jute Industry

1. Training of SQC Staffs on Indian Standards under NABL lab accreditation

A three days training on standard has been given to the SQC staffs of Birla Jute Mills. Standards discussed during this training were: IS 570, IS 9030 & IS 1670

2. Staff & worker Training on jute processing (Mill side & factory side)

IJIRA has provided training in various jute processing departments of RDB Textiles Ltd. (Unit: Victoria Jute Mill) & Birla Corporation Ltd. (Unit: Birla Jute Mills) for skill development.

Consultancy Services to Jute Industry

1. SQC Re- Orientation Programme:

Under SQC Re- Orientation programme, training has been given to the SQC staffs of several units of Shaktigarh Textile and Industries Limited for quality control and process control of jute mill.

A computer programme has been developed for online data entry and report generation with accuracy along with feasibility of report analysis system. Programme for entry and analysis of raw jute morah weight data upto winding section yarn quality analysis has been completed and implemented at mill as 1st Phase work.

2. Quality and process set up at Gloster Nuvo Ltd.

Consultancy has been done by IJIRA to set up SQC lab, to improve the process and testing standards at Gloster Nuvo Ltd.

3. Tech Consultancy on jute mill machinery and processing (Mill side & factory side)

IJIRA has provided consultancy services to RDB Textiles Ltd. (Unit: Victoria Jute Mill) & Birla Corporation Ltd. (Unit: Birla Jute Mills) in FY 2024-25.

🏠 Testing Services

Testing of Jute and Textile Products

The testing services of IJIRA are available to jute mills, textile mills, Government agencies, Institutions and other bodies. Many of IJIRA's test parameters are NABL accredited according to relevant ISO/IEC 17025:2017.

Technical Service No. 1

Testing, Spares Inspection and Calibration services of Physical Testing Division

Physical testing division provide testing and inspection services to the Jute industry, Textile Industry, as well as other government and non-government organizations. Fiber, yarn and fabrics (including Geotextiles and non woven synthetic filter bags) are tested at the laboratory regularly. IJIRA has a NABL accredited Calibration Laboratory for Jute Moisture Meter calibration. This division has served 85 Jute Mills, 15 Govt. organizations 13 and 29 other organizations. Total number of organisation served are- **127**.

A new high capacity tensile tester has been purchased this year to assure the testing service to the member mills and other customers.



New High Capacity UTM

Total no. of commercial tests done for member and non member organizations –

Various tests related to fiber, yarn, fabric, Geotextiles, non woven filter bag and jute bags have been carried out. Details are given below:

- | | |
|---|-----------------------|
| ➤ General samples received (External) | 286 Nos. |
| ➤ Tests performed for 286 no. of samples | 1233 Nos. |
| ➤ IJIRA Moisture Meter calibrated | 438 Nos. |
| ➤ Samples inspected & Tested for Tantuja: | |
| ▪ Length of School Uniform fabric samples | 23072064 mtrs. |
| ▪ Length of Anganwadi Sarees samples | 325348 mtrs. |
| ▪ Length of Bed Sheet samples | 725450 mtrs. |
| ▪ Length of Cotton Handloom saree samples | 760040 mtrs. |

Total no. of tests done for different internal project and pre-projects –

- | | |
|-------------------|------------------|
| ➤ Sample tested | :142 nos. |
| ➤ Tests performed | :640 nos. |

Earning from External Sample Testing at Physical Testing laboratory in the financial year 2024-25 (excluding tests under internal projects and pre-projects) was **Rs. 20,30,466** (excluding tax), from Calibration **Rs 5,80,500** (excluding tax). **Earning from Royalty – Rs 4,57,00** (excluding tax). Earning from Tantuja fabric inspection- **Rs. 13,78,603** (excluding tax). **Earning from consultancy- Rs. 4,00,000** (excluding tax). Recovery from Project -

Technical Service No. 2:

Title : Testing services of Chemical and Food Grade Jute Products Testing Cell

- Services on quality assurance of Food Grade Jute Products (FGJP) have been provided to seventeen Jute Mills who has renewed their Process Capability license from IJIRA to manufacture FGJP.
- In the same year, total 58 lots have been inspected, tested as per IJO 98/01 and certified by IJIRA for export. In addition, interim process audit of manufacturing process of FGJP at 17 licensed mills has also been carried out by IJIRA.
- 449 external samples have been tested for various chemical test parameters

➤ Chemical Testing Laboratory:

FGJP Lots inspected and tested: **58Nos.**

External samples tested: **449 Nos.**

License given to Jute mills for manufacturing FGJP: **17 Nos.**
Tantuja sample tested: more than **6946 Nos.**

Services provided to the Jute mills are given below:

Jute Mills

- 1) Ambica Jute Mills Ltd.
- 2) A I Champdany Industries Ltd. (Unit-Wellington Jute Mill)
- 3) Averill Infrastrusture Private Limited, Unit – Waverley Jute Mills
- 4) Aditya Translink Pvt. Ltd.
- 5) Auckland Industrial Limited
- 6) Anglo India Jute & Textile Industries Pvt. Ltd.
- 7) Agarpara Jute Mills Co. Ltd.
- 8) Alliance Mill (Lessees) Ltd.
- 9) Angus Jute Works, Unit – Angus Co. Ltd.
- 10) The Assam Co – operative Jute Mills Ltd.
- 11) Agarwala Jute Mills Pvt. Ltd.
- 12) Bally Jute Company Limited
- 13) Birla Corporation Ltd.
- 14) Bowreah Jute Mills Pvt. Ltd.
- 15) Budge Budge Co. Ltd.
- 16) The Barnagore Jute Factory Plc.
- 17) Cheviot Co. Ltd.
- 18) Caledonian Jute& Industries Ltd.
- 19) The Calcutta Jute Manufacturing Co. Ltd.
- 20) Daaksh Jute LLP, Unit – Tirupati Jute
- 21) Dalhousie Jute Co.
- 22) Dhanlaxmi Jute Mills Private Limited
- 23) The Empire Jute Co. Ltd.
- 24) Essem Jute Industries Ltd.
- 25) Gloster Limited
- 26) G S Jute Pvt. Ltd.
- 27) The Ganges Manufacturing Co. Ltd.
- 28) Ganges Jute Pvt. Ltd.
- 29) Hooghly Infrastructure Pvt. Ltd.
- 30) Shaktigarh Textile & Industries Ltd. (Hastings Mill)
- 31) HSB Agro Industries Ltd.
- 32) The Hooghly Mills Co. Ltd.
- 33) The India Jute and Industries Limited
- 34) Jutex Industries (P) Ltd.

- 35) Jagatdal Jute & Industries Ltd.
- 36) Jankalyan Vinimay Pvt. Ltd.
- 37) Jaikishandass Mall Jute Products(P) Ltd.
- 38) Keshva Jute Mills Pvt. Ltd.
- 39) Kamarhatty Co. Ltd.
- 40) Kelvin Jute Ltd
- 41) Kamakshi Jute Industries Ltd.
- 42) Kanknarrah Jute Pvt. Ltd.
- 43) Kanknarrah Co. Ltd.
- 44) Ludlow Jute & Specialities Limited
- 45) Loomtex Engineering Pvt. Ltd.
- 46) Murlidhar Ratanlal Exports Limited(India Jute Mill)
- 47) Mahdeo Jute & Industries Ltd.
- 48) Maheshwari Jute & Spinners Pvt. Ltd.
- 49) MRP Commercial Pvt. Ltd.
- 50) Mansha Jute Pvt. Ltd.
- 51) The Mahabir Jute Mills Ltd
- 52) Northbrook Jute Co. Ltd
- 53) The Naihati Jute Mills Co. Ltd.
- 54) Premchand Jute & Industry
- 55) Prabartak Jute Mills
- 56) RDB Textiles Ltd., Unit – Victoria Jute Works
- 57) Reliance Jute Mills, Unit – Reliance Jute Mills (International) Limited
- 58) Shaktigarh Textile and Industries Ltd.
- 59) Sunbeam Vanijya Pvt. Ltd.
- 60) Sarada Jute Mills Pvt. Ltd.
- 61) Shree Gouri Shankar Jute Mills Ltd.
- 62) Shree Balaji Tie up Pvt. Ltd.
- 63) Shree Bake Bihari Jute Products.
- 64) Sri Sitarama Lakshmi Jute Products Pvt. Ltd.
- 65) Shyamjoti Jute Products Pvt. Ltd.
- 66) Uma Spinners Pvt. Ltd.
- 67) Vijai Shree (P) Ltd.
- 68) Tepcon International (India) Ltd.
- 69) Winsome International Ltd., Unit – Rameshwara Jute Mills
- 70) West Bengal Agro textile Corporation Ltd., Unit – Bharat Jute Mill
- 71) Durga Lakshmi Jute Mills Pvt. Ltd.
- 72) Radha Gibinda Jute Mills Pvt. Ltd.
- 73) Regent Vinimay Private Limited.
- 74) Jaganath Jute Mills Ltd.

- 75) Uttr banga Jute Products Pvt. Ltd.
- 76) Gajmukh Vinimay Pvt. Ltd.
- 77) Nafar Chand Jute Mill
- 78) Punrasar Specialities C. Pvt. Ltd.
- 79) Jai Shri Krishna Jute Industries Pvt. Ltd.
- 80) Anjanisut jute Products Pvt. Ltd.
- 81) Yucon Export Private Limited
- 82) Gloster Nuvo
- 83) Maa Annapurna Jute & Carpets Industries Pvt. Ltd.
- 84) Kishanganj fabrics Pvt. Ltd.
- 85) Shiv Dyuti Jutex Pvt. Ltd.

Non Jute Organisation related to Jute

- 1) Semuda Corporation Ltd.
- 2) Inspection Syndicate of India Ltd.
- 3) India Electronics Inc,
- 4) Goyal Merchant Pvt. Ltd.
- 5) SGS India Pvt. Ltd.
- 6) Cotecna Inspection India Pvt. Ltd.
- 7) Lime Light Commercial Pvt. Ltd.

Non Jute Organisation

- 1) Filter & ProtectTant Kuthi(NJ)
- 2) Suprime Geotech
- 3) MMP filtration Pvt. Ltd.
- 4) Zam Zam Textile
- 5) Mina Textile
- 6) Dolar Gold Belts & Fans Pvt. Ltd.
- 7) GERB Vibration Control Systems Pvt. Ltd
- 8) Pravish & Co.
- 9) Well Made
- 10) Megha Enterprise
- 11) Refugee Handicraft
- 12) Smap Engineering (P) Ltd.
- 13) Narayan Textile
- 14) Raju Enterprise
- 15) Green Packing House
- 16) Halder Enterprise

- 17) Classic Tailors
- 18) Arsha A. Sangma
- 19) R Enterprise
- 20) Jam Dress
- 21) SS Mohamad Dress
- 22) Tant Kuthi

Govt. Organization

- 1) The West Bengal State Handloom Weavers' Co-operative Society Ltd.(Tantuja)
- 2) NIT Durgapur
- 3) Shyama Prasad Mookerjee Port, Kolkata
- 4) Indian Jute Mills Association(IJMA)
- 5) ICAR – National institute of Natural Fiber Engineering and Techlogy
- 6) Office of the Jute Commissioner
- 7) The Bureau of Indian Standard
- 8) Krishi Vigyan Kendra Barpeta (Assam Agriculture University)
- 9) Easter Railway (Vigilance)
- 10) NTPC limited
- 11) Government of West Bengal Directorate of Disaster Management
- 12) The Jute Corporation of India (Guwahati)
- 13) The Jute Corporation of India

Mill Studies

Process Efficiency and Quality Improvement Studies at Jute Mill

Study No. 1:

Conducted Man-Machine Ratio study to analyse the standard manning at Spinning & S4A Weaving Section

Study No. 2:

Technical Study at Gloster Nuvo Ltd.- Comparative study of the converted 4 ¾” Pitch, Slip Draft Spinning Frame, 120 spindles (8 Nos.) at Gloster Nuvo Limited, Bauria, Howrah.

Study No. 3:

A study conducted on comparison of normal Bobbin and cam of spinning frames with modified cam and bobbin as instructed by IJMA. Package size in spinning machine with a

modified cam and bobbin developed by a bobbin manufacturer has been observed along with effect on post spinning operation.

IJIRA has started the study at IJMA identified mill Hukumchand Jute Mills. A five days study carried out on control process i.e. normal spinning bobbin with normal cam and five more days study carried out with modified cam and new bobbins at an identified spinning machine and winding machine. The study report submitted to IJMA.

Study No. 4:

A study conducted on Standardization of Spinning Frame Rubber Pressing Roller Pressure for Different Yarn Count.

Objective: To standardize pressing roller pressure for different yarn counts at three different Spinning frames to achieve optimum yarn quality.

Work Done: During manufacturing of jute yarns several machinery are used to convert jute fibrous material into jute yarn. Type and number of machinery stages, machine parameters and the condition of machinery affects the yarn quality a lot. Rubber pressing rollers (at delivery) pressure an important parameter which affects the yarn quality. IJIRA has taken up a project on initial Diagnostic study of pressing roller pressure at spinning frame and to optimize the pressure for better yarn quality. The study has been carried out at Kamarhatty Company Limited, Kamarhatty through systematic studies and corresponding testing of yarn quality.

Study No. 5:

Cotton, Silk and Wool Yarn Quality Survey

Objective: To standardize pressing roller pressure for different yarn counts at three different Spinning frames to achieve optimum yarn quality.

Work Done: A yarn quality survey programme is conducted by IJIRA as assigned by The West Bengal State Handloom Weavers' Co-operative Society Ltd. (Tantuja). Cotton yarn (fine and course), Silk yarn and woollen yarn used by the weaver all over West Bengal has been surveyed physically and samples were collected from weavers and dealers. Samples were tested at IJIRA laboratory. A details report submitted to Tantuja. This was a paid study.

SECTION V

Activities in North-East Region (2024-25)

About IJIRA-North Eastern Regional Centre, Guwahati

The **North Eastern Regional Centre (NERC) of IJIRA (IJIRA-NREC)** at Guwahati has been set up for promotion of natural fibers-based industries including Jute in North Eastern Region. It has also a **Powerloom Service Centre (PSC)** under Office of the Textile Commissioner, Ministry of Textiles, Govt. of India along with a full-fledged garment manufacturing and wet processing training centre. The Centre at Guwahati provides technical support and guidance to textile and clothing sector through training, testing, design and development, technical consultancy and dissemination of information on schemes/ initiatives of Ministry of Textiles, Govt. of India for development of textile and clothing sector in NE Region.

As Centre of Excellence in jute geo-textiles in the NER, IJIRA-NERC in association with state governments of the NER states identify sites require geotechnical intervention, conducts Techno Economic Viability study, and participates in State Level Coordination Committee meetings. The centre also assists in tender process of purchasing jute geo-textiles under the scheme, actively involves in application of geotextiles as well as periodic monitoring of the sites. For understanding the basic soil behaviour of the sites, the centre has a soil testing laboratory.



Premises of IJIRA-NERC & PSC, Guwahati

Activities of IJIRA-NERC

A. EXTRACTION OF BAMBOO FIBERS AT NECBDC WORKSHOP IN BARNIHAT THROUGH IJIRA-NERC CENTRE, GUWAHATI, ASSAM

IJIRA signed a MOU with North East Cane & Bamboo Development Council (NECBDC), Barnihat, Assam to assist IJIRA in providing Bamboo Stripes of different species for trials

available in North Eastern Region. IJIRA started the works & make bamboo stripes at NECBDC Workshop, Barnihat in Assam through NERC Centre and send the materials to IJIRA Kolkata to develop natural bamboo fiber extraction process and workout its techno economics. Few snaps of the process is attached herewith



Slicing of Bamboo Strips by the Extraction Machine at NECBDC Workshop, Barnihat, Assam

B. ORGANIC MULCH HIGHLIGHTED BETTER CROP YIELD AND QUALITY UNDER AGRO TEXTILE PROJECT WORKS IN ASSAM.

Recent field trials of Strawberry at Muktapur, Kamrup, District of Assam and Cherry Tomato at IJIRA-NERC Centre, Amingaon highlight the impressive performance of Jute-Wool (75:25) Organic Mulch over conventional Plastic Mulch in enhancing the yield and quality of key horticulture crops.

Strawberry:

Higher Yield & Superior Fruit Quality: Higher Yield increased by 7.75% over Plastic Mulch and 42.7% over control where there is no mulch.

Larger Fruits: Average fruit weight reached 18.68 gm, up 7.67% over Plastic Mulch and 34.7% over control.

Greater Yield per Plant: Yield per plant rose by 7.87% and 42.77% compared to Plastic Mulch and over control, respectively.



These results highlight the effectiveness of organic mulch in improving both the quantity and quality of strawberry harvests.

Cherry Tomato:

Cherry Tomato trails at IJIRA-NERC Centre, Amingaon highlight the impressive performance by Jute-Wool mulch increased average yield by 64% over Plastic Mulch. Plant height improved by 0.9%. Fruits length increased by 5%.



These results highlight the effectiveness of organic mulch in improving both the quantity and quality of Cherry Tomato harvests.

C. SOIL TESTING LAB.:

Up-graded soil testing laboratory has been established in IJIRA-NERC Centre to make Soil & Geo-textiles testing facility more effective for the entire North Eastern Region of India. The laboratory is being put in operation through training of the staff for running the equipments

as per SOP and NABL requirements standard. Few different types of machinery installed at IJIRA-NERC Centre are being attached herein.



Soil Testing laboratory at NE Region

D. USES OF NATURAL FIBER BASED EROSION CONTROL BLANKETS (ECBs) FOR SLOPE STABILIZATION.

IJIRA has set up a demo centre for slope stabilization using different natural fiber based Erosion Control Blankets (ECBs) on G.S.Road,NH-40 in Umling towards Nangpoh, Shillong in Meghalaya State to showcase effectiveness of different types of natural fiber based erosion control blankets.

E. INTERNATIONAL CONFERENCE

IJIRA is organised an International Conference entitled “NbS for Sustainability & Climate Change” at Hotel Taj Vivanta , Guwahati on 1st & 2nd December 2024 with kind consent of Ministry of Textiles, Govt. of India. Shri Giriraj Singh, HMoT has inaugurated the program and Pabitra Margherita, Minister of State, Gol attended the program as guest of honour respectively. The purpose is to active 3rd & 4th generation innovation to attract entrepreneurs for value addition of natural fiber raw materials available locally and encourage advance industrial development in North Eastern Region. Experts on natural fiber based products and process engineering from 14 countries & 8 experts from national level Institute have taken active part in the said International Conference.

F. JUTE RETTING

Comparative assessment study of retting accelerator for its use in the natural inland surface water has been done by the expert committee of National Jute Board, Kolkata in Dhubri & Nagaon district of Assam on 30th & 31st July 2024 respectively. IJIRA along with CRIJAFT, NINFET were participated in this comparative assessment program which was completed successfully.



Snapshots of skill development training program at IJIRA-NERC, Centre Guwahati, Assam

G. TECHNICAL CONSULTANCY, AMC AND TRAINING:

IJIRA-NERC & PSC had carried out technical consultancy as well as AMC works at Indian Institute of Handloom Technology, Guwahati and training on Power loom have been provided to the final year student of the said Institute. This type of training program on machine to the students gets an advantage to learn more and adequate knowledge. Total

technical consultancy has been done for 06 nos. and revenue generated for Rs.21,240/- only and no of trainees has been trained for 49 nos. and revenue generated for Rs.15,930/- only.



Snapshots during training program at Indian Institute of Handloom Technology, Guwahati, Assam

H. YARN & FABRICS SAMPLE TESTING:

IJIRA-NERC & PSC had carried out Yarn & Fabrics Sample testing supplied from different firms/Factories/Institutions available in the North Eastern Region. IJIRA-NERC has received Eri Silk & Muga Silk yarn samples for testing specially from Assam Agriculture University, Jorhat and Research Scholar from Different Education Institutions of North Eastern Region and few concerned state Government offices. Total no of sample has been tested for 45 nos. and revenue generated for Rs.13275/- only.

I. SURVEY OF POWER LOOM UNITS:

IJIRA-NERC & PSC had carried out the survey of power loom units available in the North Eastern Region and finding out the products varieties producing by the respective units and aware of the different schemes of Ministry of Textiles, Government of India for the development of powerloom sector.



Snaps during working by the Employees of Powerloom Weaving unit at Chaigaon, Kamrup, Assam

SECTION VI

HRD Programme 2024-25

Skilling/HRD initiatives of IJIRA for FY 2024-25

- 1. National Skills Qualification Framework (NSQF)** complied skill education and training programme being outcome based framework of the national Govt. it is mandated that traditional training and certification has no value to the employer Industry. However, Jute sector was not involved in the skill ecosystem till 2023.
- 2. IJIRA become an Awarding Body (Dual Category) of National Council for Vocational Education and Training (NCVET), MSDE, Govt. of India.**

IJIRA has developed six (6) NSQF complied courses National Occupational Standards, performance criteria for each of those courses after getting vetted with Jute Industries, Office of Jute Commissioner, Textile Sector skill council etc. and approved by NCVET in its 35th, 40th & 42nd National Skills Qualification Committee (NSQC) meeting.

- 3. Skilling Program under NTTM Ministry of Textile Govt. of India**

NTTM, Ministry of Textile Govt. of India has empanelled IJIRA for Skilling in the Technical Textiles vide office memo F No. 4/1/2024/NTTM date 29.07.2024 and approved following two geotextile courses (Natural Fiber based) on **1st meeting of Skill Development Committee (SDC)** of NTTM held on 15th October, 2024, under the chairmanship of **Joint Secretary, Ministry of Textiles, at Udyog Bhawan, New Delhi.**

- (i) Fundamentals of Geotextile and its Application (Natural Fiber)
- (ii) Junior Technician (Natural Fiber - Geotextile and its Application)

Empanelment of Indian Jute Industries' Research Association (IJIRA) under General Guidelines for Grant for Internship Support in Technical Textiles (GIST) 2.0 of National Technical Textiles Mission (NTTM) - after due assessment, under the GIST Guidelines 2.0 for imparting internship to B. Tech. Students (2nd/3rd/4th Year) across different specializations/departments as delineated under the guidelines.

- Fund received : **Yet to receive**

- 4. Post Graduate Diploma Programme under MAKAUT, W.B.:**

Post Graduate Diploma Programme namely (a) Technology & Automation of Jute Fiber Processing and (b) Maintenance of Jute Fiber Processing Machinery & its Automation systems are running since August, 2022 for One Year/2 Semesters in Collaboration with CCPTTR, MAKAUT, WB.

5. Advanced Diploma Courses of IJIRA

Affiliation to run Advanced Diploma in Jute Technology and Automation in Collaboration with WBSCTVESD.

6. Supervisory Skilling Programme (SSP) of IJIRA

IJIRA has started skilling programmes for jute sector as per the National Skills Qualifications Framework (NSQF) as well as demand of jute industry and designed following Supervisory level skilling programme which was technically vetted by the Industry (Technical Committee of IJMA) from July, 2023.

Rural belt of West Bengal like Sundarban in South 24 Parganas and Purulia need special attention to bring lively hood of the poor women in developing clusters for Garment and Jute Diversified product manufacture for domestic market. SHGs from these regions have registered for skill development under IJIRA TP and skilling programs are already underway.

For FY 2024-25, till now, 13 no. of batches comprises of 393 candidates trained, **294 Candidates Assessed & Certified.**

7. Skill Development Program

Indian Jute Industries' Research Association (IJIRA) has submitted proposal for conducting Skill Development Training Program and got the Registration as Training provider as well as Training Centre on NSDC under PMKVY 4.0. Accordingly, IJIRA-NERC Centre has started skill development training program under this scheme *w.e.f* 30th October 2023 to till date continuously on Apparel Sector and Handicraft & Carpet sector respectively.

8. Placement:

Till now 70% Candidates has been placed through Campus Interview after successful completion & certification, in Kelvin Jute Mill, Howrah Jute Mill, Ambica Jute Mill, Bally Jute Mill, Loomtex Engineering Private Limited, Mahadeo Jute & Industries Ltd, Daaksh Jute Llp, Shaktigarh Textile & Industries Limited, North Shyamnagar Jute Mill, Gondalpara Jute Mill, Radha Gobindo Jute Mill, Reliance Jute Mil, Wellington Jute Mill etc.

Course Developed

Approved Courses by NCVET	
i.	Junior Quality Control Technician (Jute Production) (Level – 4 of NSQF)
ii.	Jute Manufacturing Technician (Elective 1: Yarn, Elective 2: fabric) (Level – 4 of NSQF)
iii.	Jute Machine Maintenance Technician (Elective1: Spinning machinery, Elective 2: Weaving Machinery) (Level – 4 of NSQF)
iv.	Jute Loom Weaving Operator (S4 loom) (Level – 3 of NSQF)
v.	Fundamentals of Geotextile and its Application (Natural Fiber)
vi.	Junior Technician (Natural Fiber– Geotextile and its Application)

Approved Courses by WBSCTVESD	
i.	Certificate Course in Supervisory skilling programme on Jute Spinning Preparatory (S-1)
ii.	Certificate Course in Supervisory skilling programme on Jute Spinning and Winding (S-2)
iii.	Certificate Course in Supervisory skilling programme on Jute Weaving Preparatory and Finishing (S-3)
iv.	Certificate Course in Supervisory skilling programme on Maintenance of Jute Mill Machinery (S-4)
Advance Diploma courses approved by WBSCTVESD	
v.	Jute Technology and Automation

❖ **NCVET approved courses have been uploaded in National Qualifications Register (<https://nqr.gov.in>) portal**

Approved Courses by NCVET	Duration	National Qualification Registrar code
i. Junior Quality Control Technician (Jute Production) (Level – 4 of NSQF)	480 hrs	QG-4.4-TX-03260-2024-V1-IJIRA
ii. Jute Manufacturing Technician (Elective 1: Yarn, Elective 2: fabric) (Level – 4 of NSQF)	Min. 510 hrs Max. 510 hrs	QG-4.4-TX-03261-2024-V1-IJIRA
iii. Jute Machine Maintenance Technician (Elective1: Spinning machinery, Elective 2: Weaving Machinery) (Level – 4 of NSQF)	Min. 510 hrs Max. 510 hrs	QG-4.4-TX-03259-2024-V1-IJIRA
iv. Jute Loom Weaving Operator (S4 loom) (Level – 3 of NSQF)	300 hrs	QG-03-TX-01973-2024-V1-IJIRA
v. Fundamentals of Geotextile and its Application (Natural Fiber)	120 hrs	NG-4.5-TX-03719-2025-V1-IJIRA
vi. Junior Technician (Natural Fiber - Geotextile and its Application)	300 hrs	QG-03-TX-03506-2025-V1-IJIRA

9. Skilling Program under PMKVY 4.0 of National Skill Development Corporation (NSDC)

National Skill Development Corporation (NSDC) approved Project under Pradhan Mantri Kaushal Vikas Yojana 4.0 (PMKVY 4.0): Following skilling programs have been organised by IJIRA, Kolkata, by IJIRA NERC, Jute Mill & Decentralised sector (For FY 2024-25).

Skilling Program under PMKVY 4.0 of NSDC

Batch ID	TC Name	State	District	NSQF Level	Qualification Name	Training Start Date	Training End Date	Total no. of Candidates
2408940	Gloster Ltd.	West Bengal	Howrah	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	31-01-2024	26-04-2024	11
2465976	Indian Jute Industries' Research Association	West Bengal	Kolkata	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	05-06-2024	13-09-2024	42
2597976	Indian Jute Industries' Research Association	West Bengal	Kolkata	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	07-06-2024	20-09-2024	19
2701187	Kanknarrah Company Limited	West Bengal	24 North Parganas	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	09-09-2024	12-12-2024	17
2397689	IJIRA-NERC	Assam	Kamrup	3	Jute Products Stitching Operator [HCS/Q7403]	22-01-2024	19-06-2024	20
2390882	IJIRA-NERC	Assam	Kamrup	3	Jute Products Stitching Operator [HCS/Q7403]	17-01-2024	14-06-2024	16
2618367	Kanaknagar SD Institution H.S	West Bengal	24 North Parganas	3	Jute Products Stitching Operator [HCS/Q7403]	18-07-2024	17-12-2024	17
2532810	IJIRA-NERC	Assam	Kamrup	3	Jute Products Stitching Operator [HCS/Q7403]	01-04-2024	31-07-2024	26
2624207	Indian Jute Industries' Research Association	West Bengal	Kolkata	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	08-08-2024	05-11-2024	17
2665300	IJIRA-NERC	Assam	Kamrup	3	Jute Products Stitching Operator [HCS/Q7403]	14-08-2024	14-01-2025	13
2686674	Indian Jute Industries' Research Association	West Bengal	Kolkata	4	Jute spinning Sardar (Jobber) cum Jr. Supervisor (TSC/Q0204)	11-12-2024	17-03-2025	16
2878281	Ananda Marga Pracharak Sangha	West Bengal	Purulia	3	Jute Products Stitching Operator [HCS/Q7403]	19-11-2024	20-03-2025	42

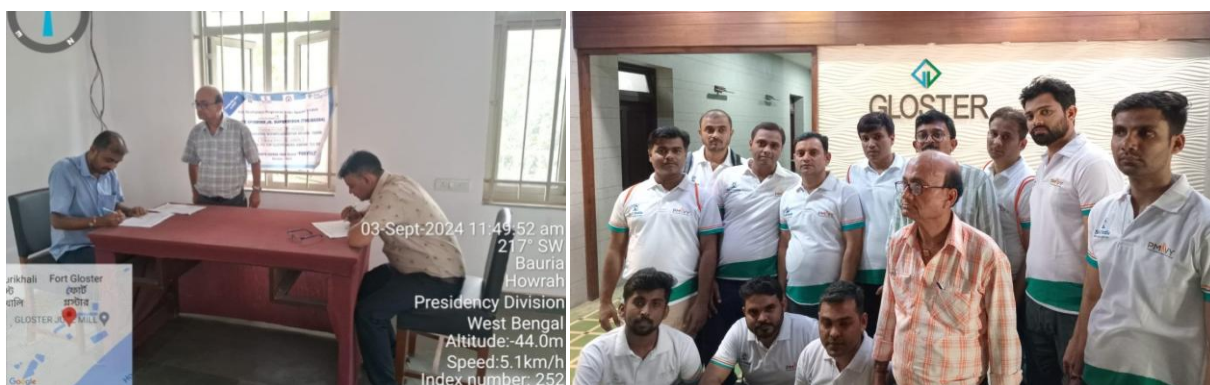
Batch ID	TC Name	State	District	NSQF Level	Qualification Name	Training Start Date	Training End Date	Total no. of Candidates
2891426	Indian Jute Industries' Research Association	West Bengal	Kolkata	4	PLC Programmer and Troubleshooter(IAS/Q5604)	09-12-2024	12-03-2025	12



Skilling Programme at IJIRA Kolkata



Skilling Programme at Kankinarrah Co. Ltd., North 24 Prgs.,WB



Skilling Programme of IJIRA at Gloster Jute Mill



Industrial Exposure under Skilling Programme of IJIRA



Skilling Programme under PMKVY 4.0 at IJIRA-NERC



Workshop on “Skilling Development Initiative for Rural Youth” Programme at Ananda Marga Pracharak Sangha, Purulia



Skill Training Programme of IJIRA for rural belt of West Bengal at Sundarban in South 24 Parganas Parganas, H.S



Skill Training Programme of IJIRA for rural belt of West Bengal at Ananda Nagar, Purulia



Practical Assessment on 'Jute Product Stitching Operator' at Kanaknagar SD Institution, H.S



Assessment of Skilling programme under PMKVY 4.0 at Kanknarrah Co. Ltd. on 'Jr. Supervisor in Jute Spinning'



Assessment of Skilling programme under PMKVY 4.0 at Kanknarrah Co. Ltd. on 'Jr. Supervisor in Jute Spinning'



Assessment of Skilling programme under PMKVY 4.0 at IJIRA Kolkata



Practical Assessment on 'Jute Product Stitching Operator' at Ananda Marga Pracharak Sangha, Purulia



Practical Assessment on 'Jute Product Stitching Operator' at Ananda Marga Pracharak Sangha, Purulia



Practical Assessment on 'Programmable Logic Controller (PLC) Programmer and Troubleshooter' at IJIRA, Kolkata



Interaction by Shri Shubhayu Basu, DGM, NSDC with students at IJIRA, Kolkata under skilling program of PMKVY 4.0



Inspection made by NSDC with students at IJIRA, Kolkata under skilling program of PMKVY 4.0

10. Post Graduate Diploma Programme under MAKAUT, W.B.:

(i) Post Graduate Diploma Programme namely (a) Technology & Automation of Jute Fiber Processing and (b) Maintenance of Jute Fiber Processing Machinery & its Automation systems are running since August, 2022 for One Year/2 Semesters in Collaboration with CCPTR, MAKAUT, WB

(ii) For 2nd Batch

- 2nd Semester subjects namely Jute Processing Technology along with 03 Projects on following areas are in progress and to be completed by end of June, 2023 and
 - Study of Measurement for developing an Integrated system to control Roll doffing arrangement at Roll Former
 - Introduction of Package technology in Jute Spinning Frame **(Patent Applied)**
 - Study on integrated system to control the Float & Gaw for S4A Loom **(Patent Applied)**
- **Dissertation held on July 2024 at MAKAUT, West Bengal and awarded final mark sheet.**
- **All students passed with 80% and above marks from MAKAUT, West Bengal**

11. Fund Received by IJIRA under Skilling Programme (FY 2024-25)

Sl no	Name of courses	Revenue Generated
1	Supervisory Skilling Programme (SSP) of IJIRA (Self Sponsored)	₹ 2,10,000
2	Post Graduate Diploma Courses of IJIRA (2023 - 24 Batch)	₹ 1,12,860
3	Skilling courses under PMKVY 4.0	₹ 41,41,163
	Total	₹ 44,64,023

SECTION VII

Organizational Highlights (2024-25)

Organizational Highlights

Staff

2024-25

(a) Director - Dr. Anil Kumar Sharma

(b) Staff Strength

(i) Scientific Staff/ Technical Staff - 56

(ii) Administrative - 08

Total: 64

Staff Welfare:

Like previous years, staff members continued to enjoy benefit of the monthly Medical Allowances.

Library

Library of IJIRA has a very good collection of books and Journals of Agro-Biology and Specially on Jute. The institute library performs and maintains its designated services and activities such as acquisitions of books and journals, classification and cataloguing of document and other documentation works. Library also provides the internet and reprography service to the readers.

a. Acquisition Status as on 31st March, 2025

Type	Addition during the year 2024-2025	Total Holding
Books	11	5083
Bound Journals Volumes	37	8792

b. Online Databases Subscribed

Name of the Database	Details
EBSCO – “Textile Technology Complete”	This database contains more than 490 periodical titles and over 905000 records drawn from sources such as books, conferences, theses, technical reports and trade literature. It includes nearly 75 full-text journals and over 50 books and monographs.
EBSCO – “World Textiles”	This database covers more than four decades of information relating to developments and innovations in the textile industry. It consists of records from 1970 onwards from different scientific, trade, technical, and economic publications related to textiles. It is also a source of American, British and European patents and International Standards information. It delivers a uniquely comprehensive source of information for anyone involved in textiles.

c. Print Journals / Periodicals Subscribed / Received during the year 2024-2025

Foreign Journals / Periodicals (Subscribed)	3
Foreign Journals / Periodicals (Gratis)	4
Indian Journals / Periodicals (Subscribed)	11
Indian Journals / Periodicals (Gratis)	10

External users from other organizations as well as individual research workers consulted IJIRA-Library for their information needs.

Library automation software LIBSYS4 (LSEase/E Rel.6.3) has been installed at IJIRA-Library. Database creation and data entry work is in progress. Once data entry is completed, library databases can be searched through internet using Web OPAC.

Funding

IJIRA has received Rs. 200 lakh as grant-in-aid from Ministry of Textiles, Government of India during the FY 2024-2025.

SECTION VIII

Annexure

IJIRA COUNCIL OF MANAGEMENT AND ITS COMMITTEES 2024-25

LIST OF COUNCIL MEMBERS 2024-25

Sl. No.	Name and Address	Sl. No.	Name and Address
Members representing Industry			
01.	Shri Siddharth Singh Chairman, IJIRA Advisor, Hooghly Jute Co. Ltd. 24/1/1, Alipore Road Kolkata	06.	Shri Asish Kankaria Director Bally Jute Co. Ltd. 5, Middleton Street (Ground Floor), Kolkata-700071
02.	Shri Raghavendra Gupta Chairman, I.J.M.A. Royal Exchange 6, Netaji Subhas Road Kolkata 700001	07.	Shri Srivatsa Kajaria Director Murlidhar Ratanlal Exports Ltd. Unit: India Jute Mill 15B, Hemanta Basu Sarani Kolkata-700001
03.	Shri Jagdish Sarda Advisor The Empire Jute Co. Ltd 21A, Shakespeare Sarani, 2 nd Floor Kolkata-700017	08.	Shri Arun Kumar Lohia Managing Director Alliance Mills (Lessees) Ltd 18, Netaji Subhas Road Kolkata-700 001
04.	Shri D.C. Baheti, Consultant Averill Infrastructure Pvt. Ltd.	09.	Shri Utkarsh Kanoria Director Cheviot Co. Ltd. 9 th Floor, 24, Park Street, Magma House Kolkata - 700016
05.	Shri Varun Maskara Senior Executive The Mahabir Jute Mills Ltd. 142A, Betiahata Near Hanuman Mandir Gorakhpur-273209, (U.P)	10.	Shri Rajeev Bhalla Senior Joint President Birla Corporation Ltd Unit: Birla Jute Mills Birla Building 9/1, R.N. Mukherjee Road Kolkata-700 001

11.	Special Invitee Shri RishavKajaria Director Murlidhar Ratanlal Exports Ltd. Unit: Gondalpara Jute Mill 15B, Hemanta Basu Sarani Kolkata-700001		
One member from Ministry of Science & Technology & One Member from CSIR			
12.	Nominee of Ministry of Science and Technology Yet to be confirmed	13.	Nominee of CSIR Yet to be confirmed
Ex-Officio Member			
14.	Dr A.K. Sharma Director IJIRA 17, Taratala Road, Kolkata-700088		

Members of Research Advisory Committee (RAC)

- 1) Shri Nirmal Pujara
AI Champdany Industries Ltd.
- 2) Shri D.C. Baheti
Consultant
Averill Infrastructure Pvt. Ltd.,
- 3) Dr. K. Balan
Geotechnical/ Coir Geosynthetics Consultant
- 4) Mr. Pawan Sharma
Former Joint Director,
Wool Research Association
- 5) Mr. Rajesh Poddar
CEO, Paracoat Products Ltd.
- 6) Ms. Seema Patel
Joint Director ,
Wool Research Association
- 7) Shri Sushant Kumar Agarwal
Director
Kamarhatty Co. Ltd
- 8) Shri Pushpendu Chattopadhyay
Director
Reliance Jute Mills (Int.)Ltd.
- 9) Shri S. Mall
Director,
Times Fibrefill
- 10) Shri Biswanath Mukherjee, FIE
Area Manager
AIMIL Ltd.
- 11) Shri Surendra Agarwal (9826368742)
Director
S.D. Polytech Pvt. Ltd.

Finance and Executive Committee (FEC)

1. Director of the Association, Ex-Officio, Chairman
2. Chairman, IJIRA
3. Two members as nominated by the Council.
 - Chairman, IJMA
 - Vice-Chairman, IJIRA
4. Finance Manager / Chief Accounts Officer (CAO), IJIRA

Representation of IJIRA in outside committees (BIS)

Sl. No	Sectional Committee	Representative of IJIRA
01.	TXDC Main Committee	Dr A.K. Sharma, Director IJIRA Shri Partha Sanyal (Alternate)
02.	Composition of Physical Methods of Test Sectional Committee – TXD 01	Smt. Soumita Chowdhury Shri D. P. Gon (Alternate)
03.	Composition of Jute and Jute Products Sectional Committee – TXD 03	Shri Partha Sanyal Ms. Soumita Chowdhury(Alternate)
04	Composition of Textile Sizing, Finishing Materials and Dyestuffs Sectional Committee TXD - 07	Dr. Amit Paul Ms. Ipsita Roy (Alternate)
05.	Composition of Cordage Sectional Committee, TXD 09	Ms. Soumita Chowdhury Shri Partha Sanyal (Alternate)
	Textile Machinery & Accessories Sectional Committee, TXD 14	Ms. Soumita Chowdhury Shri Partha Sanyal (Alternate)
06	Composition of Geotextiles and Industrial Fabrics Sectional Committee – TXD 30	Ms. Soumita Chowdhury Shri Partha Sanyal (Alternate)
07	Industrial Fabric Sectional Committee – TXD 33	Shri D.P.Gon Shri Partha Sanyal (Alternate)
08.	Technical Textile for Agro-tech Section Committee, TX-35	Shri Partha Sanyal Shri D.P.Gon (Alternate)

Organization/Participation in Conference

1. Presentation has been given on IJIRA developed Organic Agromulch at Patsan Bhaban in 15th EMC Meeting of NJB under JPDS scheme on 2nd July, 2024.
2. Atanu Bhattacharjee, Executive Director and Sanjay Prasad, Associate of A4 Advance Automation Pvt. Ltd. on behalf of Indian Card Clothing, Pune visited IJIRA for collaboration on development of Metallic Card Clothing on 9th July, 2024.
3. Demonstration of new generation spinning frame took place on 27th July, 2024 at Ambica Jute Mill, Howrah, WB where captains of jute industry showered praise on this innovation.
4. 224th Council Meeting was held on 29th July, 2024. Council was appraised that IJIRA has commercialized 11 technologies in last thirty months and has earned approx 96 lakhs as royalty – A Milestone achieved first time in 86 years history of IJIRA.
5. A meeting was conducted with visitors from Bangladesh named Mohammed Akramuzzaman, CFO, Imrul Mehtab, Product Innovation Consultant, Ajeyo Rohitashwo Al Quazi, CSO, Rajib Sarkar, Business Development Officer and Monir Uz Zaman, Head of Sales from Jute Alliance Limited, Ghorasal, Bangladesh on 26th June, 2024, regarding technology transfer of biochemical softening of hard root cuttings of jute. After witnessing field demonstrations of IJIRA's technology, in the current month Jute Alliance Limited has shown its interest in becoming member of IJIRA and asked for a draft MoU to be reviewed by them on the mutually agreed terms & conditions.
6. Ms Ipsita Roy attended a two days international conference in Malaysia on “*International workshop for MOSH/MOAH analyses in food*” during 27-28th August, 2024
7. 54th AGM was held on 12th August 2024 where annual report along with balance sheet for the year 2023-24 was passed.
8. Principal & two professor of Jnan Chandra Ghosh Polytechnic visited IJIRA with regard to creation of new training centre under PMKVY 4.0 on PLC & Industrial Automation on 13.08.2024
9. Mr Hiranmoy Ghosh, Secretary of M/s Sagarpara Readymade Garments co-operative Society Ltd. visited IJIRA for creation of new training centre under PMKVY 4.0 on 16.08.2024
10. The Director held a meeting with CEO of Paracoat Pvt Ltd in Gurgaon on future collaborations
11. The director held discussion and sought guidance from Joint Secretary (TRAs) w.r.to inauguration session of the International Conference to be held in Guwahati, Assam.
12. Hon'ble Minister of Textiles was appraised of innovations carried out by IJIRA and how their implementation is beginning to show results at grass route level. As per his directive, trials for making pulp from Jute sticks has been initiated in IJIRA. Shri Giriraj Singh, Hon'ble Minister of Textile, GoI has kindly accepted IJIRA's invitation to inaugurate the International Conference.

13. Mr. Mukesh Khandelwal who is doing a report on export market potential had a detail discussion with the Director on low hanging fruits as well as long term strategies.
14. A team from Anandamargi Ashram, Purulia visited IJIRA and sought help in skill upgradation of rural areas. The team also requested for field trials of agromulch in their farms for crops such as cashew nuts, sweet lime and bell paper. IJIRA has agreed to carry out trials after the monsoon.
15. A demo site is being developed in IJIRA-NERC, Guwahati to show effectiveness of agromulch for crops such as bell pepper, cherry-tomato, straw berry, etc.
16. Discussion were held at Webel Fuji Soft, Salt Lake, Kolkata to jointly work on 3D printing of artificial scaffolds as well as to start courses on additive manufacturing.
17. Shri Partha Sanyal and Ms. Soumita Chowdhury attended 41st BIS TXD-03 meeting for Jute and Jute Products Sectional Committee on 14th Aug, 2024.
18. Shri Partha Sanyal visited Joygopalpur Gram Vikash Kendra, Basanti, South 24 Pgs. for trial of agromulch.
19. Director, IJIRA attended 2nd Edition of Middle East Composites & Advanced Materials Show at Sheikh Saeed Hall 1 & 2 & Trade Centre Arena, Dubai World Trade Centre, Dubai, UAE held from September 10-12, 2024.
20. The Director, IJIRA was invited to deliver a talk on sustainable composites. The title of his presentation was "Sustainable Practices in the Composites Industry: Navigating Recycling, Reuse, and Minimizing Environmental Impact".
21. Director, IJIRA was invited as Guest of Honour in the Hindi Pakhwada Samaroh, 2024 organized by NINFET, Kolkata for National Hindi Scientists Community (Rashtriya Hindi Vaigyanik Sangosti) on 26th September, 2024. He has also inaugurated the programme along with the Director, NINFET and other dignitaries
22. A tripartite agreement has been signed with Bhowmic Calculator (Jute m/c manufacturer) and Sags Control Pvt. Ltd. for commercialization of fully automated jute spinning frame.
23. A non-disclosure agreement has been signed between Webel-Fuzitsu-Vara and IJIRA for development of ABS made moisture meter outer case for lighter weight as well as developing a prototype baxter flyer assembly using jute stick powder/nano-cellulose/bamboo dust through additive manufacturing technology (3D Printing).
24. The Director held meetings with Shri Rajeev Saxena, Joint Secretary, Shri Ashok Malhotra, MD, NTTM, Shri Prashant Kumar Meena, JMD, NTTM and Shri Ajay Pandit, JMD, NTTM on 22nd September, 2024 for finalization of International Conference programme.
25. The Director has been asked by the organizers of SPE's Plastics in Sustainability: Biopolymers and Biocomposites, USA, to deliver a talk entitled "Light-weight, Green composite component for mobility sector" through webinar on November 4-6, 2024.
26. IJIRA team including the Director, held meetings with Dr. Lakshmanan.S, IAS, Secretary, Dept. of Industry, Govt. of Assam and Senior Officials of North Frontier Railway for necessary collaboration in International Conference to be held at Guwahati on December 1– 2, 2024.

27. A Non-disclosure Agreement has been signed between IJIRA and Webel Fujisoft Vara, Centre of Excellence in industry 4.0 to work on 3D printing technology
28. 6 kg Samples each of nanocellulose, jute stick powder, wood powder and bamboo fiber are being given to Webel Fujisoft Vara, WB for initial study on 3D printing as a proof of concept.
29. The Director, Dr. Pradip Chakrabarti and Shri Debi Prasad Gon have attended Skill development committee meeting of NTTM, Ministry of Textiles, Govt. of India.
30. The Director attended TRA review meeting in NITRA, Ghaizabad.
31. The Director attended two meetings with Joint Secretary (TTI), MD (NTTM) and JMD (NTTM), MoT for finalization of program of International Conference.
32. The Director attended a meeting with the Joint Secretary to draft a letter for inviting speakers as well as, State Govt. departments in North-East states to send their representatives to participate in the upcoming International Conference.
33. The Director held a meeting with CEO of Tier-1 companies on the subject of upcoming International Conference.
34. Dr. Pradip Chakrabarti held a meeting with CEO of AB Composites on the subject of International Conference.
35. The Director will be giving a presentation in forthcoming International Conference organized by
36. sPe (USA). The theme of the conference is PLASTICS IN SUSTAINABILITY: BIOPOLYMERS AND BIOCOMPOSITES being held on November 4-6, 2024.
37. The Director has been requested to deliver a talk on Sustainability in the upcoming conference in IIT, Delhi organized by the Textile Institute NISTl.
38. IJIRA's two papers have been presented in 62nd Joint Technology Conference held in NITRA, Gaziabad. These papers were presented by Shri Partha Sanyal, Shri Biswarup Nandi and Shri Joyjit Mukherjee.
39. Dr. Pradip Chakraborty and Ms. Ipsita Roy have met the Jute Commissioner to finalize meeting with the representatives of European Cocoa Association w.r.t. new European Norms for export of jute bags. They also invited the Jute Commissioner for the upcoming International conference. They have also met Secretary, NJB in his office and invited him for the International conference
40. The Director attended a meeting through VC with NECBDC regarding the development of Bamboo Fiber. The above meeting was followed by a physical meeting with the Director, IJIRA, and his team on 8th November 2024, in NECBDC, Guwahati, Assam.
41. Hon'ble Union Minister of Textiles, Shri Giriraj Singh has visited IJIRA on 21st November, 2024.
42. One day industry meet chaired by Hon'ble MoT was held at IJIRA on 21st Nov, 2024 where IJIRA and Industry jointly presented acceptance of the IJIRA's technology by the Industry.
43. Shri Shubhayu Basu, Deputy General Manager, NSDC, GoI Visited at IJIRA Kolkata & at Kanknarrah Co. Ltd. and for TP10557 facility and final approval for FY 2024-25 on 28.11.2024

44. Two days International Conference was held sponsored by NTTM at Taj Vivanta, Gowahati on 1st and 2nd Dec, 2024.
45. Participated 9th Meeting of the Empowered Programme Committee (EPC) under National Technical Textiles Mission (NTTM) on, 4th December 2024.
46. The Director attended 54th EC meeting of CWDB, MoT, Govt. and presented IJIRA's proposal for setting up Common Facility Center (CFC)at IJIRA for agro mulch production.
47. Dr. Pradip Chakrabarti and Smt. Ipsita Roy attended a meeting on I-CARE scheme held at NJB, Patsan Bhavan.
48. Dr. Pradip Chakrabarti and Shri Partha Sanyal attended Expert Monitoring Committee Meeting on 16th December, 2024 on agromulch project at NJB, Patsan Bhavan.
49. Michiel Kokken from the European Cocoa Association visited IJIRA's MOSH MOAH Testing Facility on December 5, 2024.
50. The Director attended meeting at CRIJAF, chaired by HMoT.
51. The Director attended annual day of NINFET, where HMoT was Chief Guest.
52. The Director visited NECBDC for right quality of bamboo stripes to be send to IJIRA for extraction of natural fiber.
53. The Director gave presentation to the Secretary, Ministry of Textiles, GoI on IJIRA activity and performance.
54. IJIRA team attended stake holders meeting of NCVET for approval of NF based Geotextiles courses approved by MoT.
55. Dr. Pradip Chakrabarti visited Reliance Jute Mills Int. Ltd., Bhatpara for Transfer of IJIRA's developed technology.
56. Ms. Soumita Chowdhury visited EROL BIS Kolkata laboratory.
57. Mr. Partha Sanyal organized awareness workshop on agro-mulch at Murshidabad in collaboration with Krishi Vigyan Kendra.
58. Study report on converted SD spg. frame at Gloster Nuvo Ltd. has been submitted.
59. Study report on jute grading has been submitted for BIS to take further action.
60. 225th Council Meeting was held at IJIRA, Kolkata on 30th January, 2025.
61. IJIRA-NERC officials participated in a seminar and subsequent meeting with Shri Giriraj Singh, Hon'ble Minister of Textiles, providing updates on bamboo strip extraction works at NECBDC Workshops on 30th January, 2025.
62. JCI placed order for 125 mini moisture meters.
63. IJIRA participated in Bharat Tex 2025 at Pragati Maidan, New Delhi.
64. 125 nos. of mini moisture meters for farmers' use have been delivered to different branches of JCI.
65. IJIRA-NERC demonstrated bamboo strip processing and innovative bamboo fiber & blended yarn to Dr. Sukanta Majumder, MoS, DoNER, Govt. of India, during his visit to NECBDC Office on 24th February, 2025.

66. IJIRA-NERC showcased innovative natural fiber technologies and product development at the Bamboo Entrepreneurship seminar conducted by JICA at NECBDC, creating significant impact among participants on 28th February, 2025.
67. Dr. Pradip Chakrabarti attended a meeting with C-DAC for Aadhaar Based Attendance system development.
68. Mr. Partha Sanyal visited S. D. Polytech Pvt. Ltd. at Sitarganj, Uttarakhand for technical discussion on blending of bamboo-excel.
69. Director visited S D Polytech Pvt. Ltd. at Sitarganj, Uttarakhand for trials of bamboo fiber to get blended yarn.
70. Mr. Gopal Mukhopadhyay & Mr. Subhankar Bej visited RDB Textiles Limited for training and technical assistance.
71. Mrs. Soumita Chowdhury & Mr Gopal Mukhopadhyay attended a meeting at IJMA on raw jute grading system.
72. Mr. Partha Sanyal attended a meeting at NAFED on inspection matter.
73. Mr. Wasim Ali visited Weaving and Designing Training Center, CWDB, Kullu, Himachal Pradesh for weaving of bamboo-viscous blended fabric.
74. Mr. Ishan visited Tuli, Nagaland for making bamboo strips to be sent to Kolkata.
75. Mrs. Soumita Chowdhury visited Gloster Nuvo Ltd., Hastings Jute Mill & Kamarhatty Co. Ltd. on SQC.
76. A project on performance requirement for JGT for rain water erosion control has been sanctioned by BIS.
77. Mr. Gopal Mukhopadhyay attended Lagan Jute Machinery Pvt. Ltd. Angus, Bhadreswar on 5th March, 2025.
78. Mrs. Soumita Chowdhury and Gopal Mukhopadhyay attended a meeting on protocol of raw jute testing and instrumental grading on 6th march, 2025.
79. IJIRA's RAC was held on 7th March, 2025
80. Mrs. Soumita Chowdhury and Mr. Partha Sanyal attended TXD -14 Sectional Committee meeting of BIS on 18th March, 2025.
81. Mr. Partha Sanyal and Mrs. Soumita Chowdhury attended TXD -03 Sectional Committee Meeting of BIS.
82. Mrs. Soumita Chowdhury had presented her findings in the BIS project in TXD 03 Sectional Committee on 21st March, 2025.
83. IJIRA's 226th Council Meeting took place on 25th March, 2025
84. Ms Ipsita Roy attended a meeting of Technical working group of European Cocoa Association.
85. Ms Ipsita Roy attended Guvatta Manthan, a meeting of Quality Council of India on 28th March, 2025.
86. Dr. Pradip Chakrabarti visited Spinning King (India) Ltd. for discussion on bamboo fiber and its processing on 28th March, 2025.

SECTION IX

Financial Report (2024-25)

***THE INDIAN JUTE INDUSTRIES'
RESEARCH ASSOCIATION***

17, TARATALA ROAD, KOLKATA – 700 088

AUDITED ACCOUNTS

FOR THE YEAR ENDED 31ST MARCH, 2025

M/S. M R SEN & CO.

CHARTERED ACCOUNTANTS

**10 No. MAHARAJA NANDA KUMAR ROAD
KOLKATA – 700 029**

PH. NO. 9831095038/(033) 45081163

E-MAIL : sen_manoranjana18@yahoo.com



M. R. SEN & CO.
CHARTERED ACCOUNTANTS
Office : 10, Maharaja Nanda Kumar Road, 1st floor
Kolkata – 700 029, Phone : 9831095038/(033) 45081163
E-mail:sen_manoranjani18@yahoo.com

AUDITORS' REPORT

We have examined the annexed Balance Sheet as at 31st March, 2025 and also attached Income & Expenditure Account for the year ended on that date and Receipts & Payments Account for the period from 1st day of April, 2024 to 31st March, 2025 **THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION at 17, TARATALA ROAD, KOLKATA-700088** which are in agreement with the Books of Accounts as maintained by the said Association.

1. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
2. In our opinion proper books of account as required have been kept by the above named Trust as far as appears from our examination of the books of accounts.
3. The Balance Sheet, the Income & Expenditure Account and Receipt & Payments Account as referred to in this Report are in agreement with the Books of Account.
4. In our opinion and to the best of our information and according to the explanations given to us, the said Balance Sheet and the Income & Expenditure Account, give the information required by the West Bengal Society Registration Act, 1961 in the manner so required and give a true and fair.

View:

- a) In the case of Balance Sheet, of the State of Affairs of the as at 31st March, 2025 and
- b) In the case of Income & Expenditure Accounts, the Excess of Income over Expenditure for the year ended on that date.

For **M. R. Sen & Co.**
Chartered Accountants
Firm Registration No 307054E

(CA JAYANTA KUMAR KUNDU)
PARTNER

Membership No. 053199

Place: Kolkata

UDIN: 25053199BMIZ@

Date: 19/08/2025 R4553

M. R. Sen & Co.
Jayanta Kumar Kundu F.C.A.

Proprietor
M. No. 053199



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
BALANCE SHEET AS AT 31ST MARCH, 2025

		AMOUNT IN RUPEES	
PARTICULARS	SCHEDULE	AS AT 31ST MARCH, 2025 AMOUNT	AS AT 31ST MARCH, 2024 AMOUNT
<u>CORPUS FUND AND LIABILITIES</u>			
CORPUS FUND	1	2,24,61,030	2,24,61,030
RESERVES AND SURPLUS	2	13,10,67,006	11,20,45,128
EARMARKED/ENDOWMENT FUND	3	4,26,026	(91,78,217)
CURRENT LIABILITIES AND PROVISIONS	4	3,22,30,775	2,82,58,349
TOTAL		18,61,84,837	15,35,86,290
<u>ASSETS</u>			
FIXED ASSETS	5	1,54,86,942	80,08,282
CURRENT ASSETS, LOANS AND ADVANCES	6	17,06,97,895	14,55,78,008
TOTAL		18,61,84,837	15,35,86,290

In terms of our report of even date

For M. R. Sen & Co.

Chartered Accountants

FRN - 0307054E

M. R. Sen & Co.
Jayanta Kumar Kundu F.C.A.

Proprietor
M. No. 053199

CA Jayanta Kumar Kundu
Partner

Membership No. 053199

Place : Kolkata

Dated : 19/08/2025

UDIN - 25053199BMIZQR
4553



Prat Sharma

Director

IJIRA

Shri

Chairman

IJIRA Council of Management

Chairman

Indian Jute Industries' Research Association

Director

Indian Jute Industries' Research Association

THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	SCHEDULE	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
INCOME					
INCOME FROM SERVICES	7(A)		1,12,00,585		83,84,754
SKILL DEVELOPMENT PROGRAMME	7(B)		25,03,518		24,73,448
GRANT-IN-AID	-		2,00,00,000		2,00,00,000
SUBSCRIPTION	8		69,62,510		74,49,600
INTEREST EARNED	9		99,51,898		69,73,228
OTHER INCOME	10		52,64,102		23,79,421
INCOME FROM INSPECTION			5,10,96,133		5,80,24,334
ROYALTY			1,25,71,850		55,81,230
FEES, SPONSORSHIP ETC. FROM GUWAHATI CONFERENCE			8,84,525		-
TOTAL (A)			12,04,35,121		11,12,66,015
EXPENDITURE					
ESTABLISHMENT EXPENSES & OTHER -					
ADMINISTRATIVE EXPENSES	11		2,05,13,516		2,19,23,364
RESEARCH AND DEVELOPMENT EXPENSES	12		4,91,74,841		4,83,27,301
EXPENSES ON SKILL DEVELOPMENT PROGRAMME			13,52,448		12,99,071
SEMINAR, CONFERENCE & MEETING EXP.			63,41,643		-
EXPENSES FOR INSPECTION			1,98,89,869		1,69,16,470
EXP. FOR SPOND./OTHER PROJ. WRITTEN OFF					2,21,98,694
PRIOR PERIOD EXPENDITURE/ADJUSTMENT	-		57,380		-
DEPRECIATION		40,83,546		8,93,706	
Less: Transferred to Capital Reserve	-	8,167	40,75,379	31,101	8,62,605
TOTAL (B)			10,14,05,076		11,15,27,505
SURPLUS/(DEFICIT) TRANSFERRED TO GENERAL RESERVE (A-B)			1,90,30,045		(2,61,490)
SIGNIFICANT ACCOUNTING POLICIES	13				
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	14				

In terms of our report of even date

For M. R. Sen & Co.
Chartered Accountants
FRN - 0307054E

M. R. Sen & Co.
Jayanta Kumar Kundu FCA

CA Jayanta Kumar Kundu

Partner

Membership No. 053199

Place : Kolkata

Dated : 19/08/2025

UDIN - 25053199BM12GR

4553

Proprietor
M. No. 053199

Director
IJIRA

Chairman
IJIRA Council of Management

Chairman
Indian Jute Industries' Research Association

Director
Indian Jute Industries' Research Association



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
<u>SCHEDULE - 1</u>				
<u>CORPUS FUND</u>				
Balance as at the beginning of the year	2,24,61,030		2,24,61,030	
Add: Admission Fees transferred to Corpus Fund	-	2,24,61,030	-	2,24,61,030
TOTAL		2,24,61,030		2,24,61,030
<u>SCHEDULE - 2</u>				
<u>RESERVES AND SURPLUS</u>				
1. CAPITAL RESERVE				
As per last Account	1,91,672		2,22,773	
Less: Depreciation on Fixed Assets	8,167	1,83,505	31,101	1,91,672
2. GENERAL RESERVE				
As per last Account	11,18,53,456		11,21,15,117	
Less: last year's P/L balance transferred			171	
	11,18,53,456		11,21,14,946	
Transferred from Income and Expenditure account	1,90,30,045	13,08,83,501	(2,61,490)	11,18,53,456
TOTAL		13,10,67,006		11,20,45,128



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2025
SCHEDULE-3

Earmarked/Endowment Funds

AMOUNT IN RUPEES

Sl No.	Particulars of Projects	FUND						UTILISATION					REPAYMENT	NET BALANCE
		Fund Received as per last account Amount	Donation/Grants received during the year	Income from Investments made on account of Funds	Other Additions/Adjustments/Received as Industry Contribution	Additions to the fund during the year (b)(i)+(b)(ii)+(b)(iii)	Total Including Additions (a)+(c)	Total Expenditure As per last account	Expenditure during the year Capital Expenditure	Expenditure during the year-Revenue Expenditure	Total Expenditure during the year (c)(ii)+(c)(iii)	Up to date Total Expenditure (c)(i)+(e)	Refund/Adjustment	Net balance of the year end
		(a)	(b)(i)	(b)(ii)	(b)(iii)	(c)	(d)	(c)(i)	(c)(ii)	(c)(iii)	(e)	(f)	(g)	(h)
1	Powerloom Service Centre (GHT) GOI													
	Current Year	3,03,96,383	12,00,000	0	0	12,00,000	3,15,96,383	2,66,71,750	0	12,00,000	12,00,000	2,78,71,750	-49,24,633	-12,00,000
	Previous Year	2,91,96,383	12,00,000	0	0	12,00,000	3,03,96,383	3,10,63,131	0	-43,91,381	-43,91,381	2,66,71,750	-49,24,633	-12,00,000
2	DEVELOPMENT & APPL OF POTENTIALITY IMP. JUTE GEOTEX													
	Current Year	5,16,541	0				5,16,541	5,16,541	0	0	0	5,16,541		0
	Previous Year	5,16,541	0				5,16,541	5,55,118	0	-38,577	-38,577	5,16,541		0
3	DEVELOPMENT OF PORTABLE JUTE FIBRE STRENGTH TESTER													
	Current Year	19,59,520	0		0	0	19,59,520	19,59,520	0	0	0	19,59,520	0	0
	Previous Year	18,85,000	0		74,520	74,520	19,59,520	19,31,674	0	27,846	27,846	19,59,520		0
4	STUDIES ON THE RELATIONSHIP BETWEEN AOS AND WATER PERMIBILITY													
	Current Year	1,00,000	0				1,00,000	1,00,000	0	0	0	1,00,000		0
	Previous Year	1,00,000	0				1,00,000	3,99,685	0	-2,99,685	-2,99,685	1,00,000		0
5	TECHNO COMMERCIAL FEASIBILITY STUDY RBO													
	Current Year	5,36,000					5,36,000	5,36,000	0	0	0	5,36,000		0
	Previous Year	5,36,000					5,36,000	11,51,589	0	-6,15,589	-6,15,589	5,36,000		0
6	TRANSMIGRATION OF MINERAL OIL HYDROCARBONS													
	Current Year	33,38,830	0		0	0	33,38,830	33,38,830	0	0	0	33,38,830		0
	Previous Year	26,87,500	0		6,51,330	6,51,330	33,38,830	28,50,000	0	4,88,830	4,88,830	33,38,830		0
7	INTEGRATED SKILL DEVELOPMENT SCHEME													
	Current Year	1,49,51,281	0				1,49,51,281	1,39,07,859	0	0	0	1,39,07,859		10,43,422
	Previous Year	1,49,51,281	0				1,49,51,281	1,39,07,859	0	0	0	1,39,07,859		10,43,422
8	DYEING OF SILK AND ART SILK													
	Current Year	41,39,619	0		0	0	41,39,619	41,39,619	0	0	0	41,39,619		0
	Previous Year	29,10,000	0		12,29,619	12,29,619	41,39,619	45,00,000	0	-3,60,381	-3,60,381	41,39,619		0
9	INTEGRATED PROJECT ON ENZYME BASED JUTE RETTING													
	Current Year	51,93,000	0		0	0	51,93,000	51,93,000	0	0	0	51,93,000		0
	Previous Year	38,83,000	0		13,10,000	13,10,000	51,93,000	52,85,797	0	-92,797	-92,797	51,93,000		0
10	Explor. Of usage of Engg. Jute & Agri. Waste													
	Current Year	21,77,400	21,77,400	0	0	21,77,400	43,54,800	2,80,434	0	37,62,872	37,62,872	40,43,306		3,11,494
	Previous Year	0	21,77,400	0	0	21,77,400	21,77,400	0	0	2,80,434	2,80,434	2,80,434		18,96,966
11	Develp. Of Diff. Extr. Tech Long Bamboo Fibre (NTTM)													
	Current Year	0	51,61,770	0	0	51,61,770	51,61,770	0	0	52,45,526	52,45,526	52,45,526		-83,756
	Previous Year	0	0	0	0	0	0	0	0	0	0	0		0
12	Slope Prot. & Ero. Con. Cin Wtr. Mgmt. & Infr. Nat.Geo (NE Equip cost for slope protection)													
	Current Year	0	14,65,000	0	0	14,65,000	14,65,000	0	0	14,65,000	14,65,000	14,65,000		0
	Previous Year	0	0	0	0	0	0	0	0	0	0	0		0



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2025
SCHEDULE-3
Earmarked/Endowment Funds

AMOUNT IN RUPEES

Sl No.	Particulars of Projects	FUND						UTILISATION					REPAYMENT	NET BALANCE
		Fund Received as per last account Amount	Donation/Grants received during the year	Income from Investments made on account of Funds	Other Additions/Adjustments/Received as Industry Contribution	Additions to the fund during the year (b)(i)+(b)(ii)+(b)(iii)	Total Including Additions (a)+©	Total Expenditure As per last account	Expenditure during the year Capital Expenditure	Expenditure during the year Revenue Expenditure	Total Expenditure during the year (c)(ii)+(c)(iii)	Up to date Total Expenditure (c)(i)+(e)	Refund/Adjustment	Net balance of the year end
		(a)	(b)(i)	(b)(ii)	(b)(iii)	(c)	(d)	(c)(i)	(c)(ii)	(c)(iii)	(e)	(f)	(g)	(h)
13	BIO CHEMICAL SOFTENING OF HARD ROOT CUTTINGS Current Year	21,85,551	10,69,882		0	10,69,882	32,55,433	32,49,569		0	0	32,49,569		5,864
	Previous Year	21,85,551	0		0	0	21,85,551	34,03,727		-1,54,158	-1,54,158	32,49,569		-10,64,018
14	DESIGN AND DEV. OF 50 KG CAPACITY EFFECTIVE WITH BAGS Current Year	38,52,278	0		0	0	38,52,278	38,52,278	0	0	0	38,52,278		0
	Previous Year	24,81,320	0		13,70,958	13,70,958	38,52,278	41,09,549	0	-2,57,271	-2,57,271	38,52,278		0
15	DESIGN AND DEV. CONT. DAMPING AND CALENDERING MACHINE Current Year	73,81,132	31,27,083			31,27,083	1,05,08,215	1,04,94,149	0	0	0	1,04,94,149		14,066
	Previous Year	70,93,024			2,88,108	2,88,108	73,81,132	1,05,63,370	0	-69,221	-69,221	1,04,94,149		-31,13,017
16	DEV OF HIGH SPEED ROLLER DRAFTING SYSTEM Current Year	38,25,210	6,16,000		0	6,16,000	44,41,210	38,25,210	0	0	0	38,25,210		6,16,000
	Previous Year	30,20,660	0		8,04,550	8,04,550	38,25,210	34,00,000	0	4,25,210	4,25,210	38,25,210		0
17	DEV. OF JUTE BASED TEXTILE PREFORMS AND Current Year	36,85,358	0		0	0	36,85,358	36,85,358	0	0	0	36,85,358		0
	Previous Year	36,70,700	0		14,658	14,658	36,85,358	32,77,063	0	4,08,295	4,08,295	36,85,358		0
18	DEV. OF PLA LAMINATED JUTE AS BIO COMP PACK MATERIALS Current Year	41,38,163	0	0	0	0	41,38,163	41,38,163	0	0	0	41,38,163		0
	Previous Year	33,94,342	0	0	7,43,821	7,43,821	41,38,163	57,35,000	0	-15,96,837	-15,96,837	41,38,163		0
19	FASTER RETTING OF JUTE PLANT Current Year	52,88,462	26,00,213	0	0	26,00,213	78,88,675	78,88,675	0	0	0	78,88,675		0
	Previous Year	52,88,462	0	0	0	0	52,88,462	83,20,733	0	-4,32,058	-4,32,058	78,88,675		-26,00,213
20	FEASIBILITY STUDY OF OIL FREE PROC OF JUTE FIBRE Current Year	15,48,000	23,22,000	0	0	23,22,000	38,70,000	38,65,742	0	0	0	38,65,742		4,258
	Previous Year	15,48,000	0	0	0	0	15,48,000	38,70,000	0	-4,258	-4,258	38,65,742		-23,17,742
21	JUTE BASED AIR FILTER MEDIA HAVANT MICROBIAL Current Year	18,34,658	0	0	0	0	18,34,658	18,34,658	0	0	0	18,34,658		0
	Previous Year	18,20,000	0	0	14,658	14,658	18,34,658	16,83,195	0	1,51,463	1,51,463	18,34,658		0
22	SETTING-UP OF FCI DIGITAL PRINTING Current Year	37,47,513	0	0	0	0	37,47,513	37,47,513	0	0	0	37,47,513		0
	Previous Year	33,11,000	0	0	4,36,513	4,36,513	37,47,513	54,77,567	0	-17,30,054	-17,30,054	37,47,513		0
23	UTILIZATION OF JUTE STICKS AND JUTE WASTE FOR Current Year	49,82,662	0	0	0	0	49,82,662	49,82,662	0	0	0	49,82,662		0
	Previous Year	39,60,596	0	0	10,22,066	10,22,066	49,82,662	51,59,997	0	-1,77,335	-1,77,335	49,82,662		0
24	STUDY OF PACKG. PRAC. JUTE PROD. (TXD 0172) (BIS) Current Year	0	7,36,000	0	0	7,36,000	7,36,000	0	0	7,74,313	7,74,313	7,74,313		-38,313
	Previous Year	0	0	0	0	0	0	0	0	0	0	0		0
25	STUDY CONST. PERFM. REQ. JT. EX - BIS (TXD 0273) Current Year	0	2,58,390	0	0	2,58,390	2,58,390	0	0	0	0	0		2,58,390
	Previous Year	0	0	0	0	0	0	0	0	0	0	0		0



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2025
SCHEDULE-3

Earmarked/Endowment Funds

AMOUNT IN RUPEES

		FUND						UTILISATION					REPAYMENT	NET BALANCE
Sl No.	Particulars of Projects	Fund Received as per last account Amount	Donation/Grants received during the year	Income from Investments made on account of Funds	Other Additions/Adjustments/Received as Industry Contribution	Additions to the fund during the year (b)(i)+(b)(ii)+(b)(iii)	Total Including Additions (a)+©	Total Expenditure As per last account	Expenditure during the year- Capital Expenditure	Expenditure during the year-Revenue Expenditure	Total Expenditure during the year (c)(ii)+(c)(iii)	Up to date Total Expenditure (c)(i)+(e)	Refund/Adjustment	Net balance of the year end
		(a)	(b)(i)	(b)(ii)	(b)(iii)	(c)	(d)	(c)(i)	(c)(ii)	(c)(iii)	(e)	(f)	(g)	(h)
26	DEV. OF STANDARD FOR USE OF JUTE GEOTEXTILE (JGT) RUR													
	Current Year	1,21,41,454	0	0	0	0	1,21,41,454	1,21,41,454	0	0	0	1,21,41,454		0
	Previous Year	1,11,91,417	0	0	9,50,037	9,50,037	1,21,41,454	1,54,65,894	0	-33,24,440	-33,24,440	1,21,41,454		0
27	JUTE THERMOPLASTIC COMPOSITE FOR GREEN PRODUCT													
	Current Year	83,11,319	13,24,247	0	0	13,24,247	96,35,566	96,30,660	0	0	0	96,30,660		4,906
	Previous Year	70,15,145	0	0	12,96,174	12,96,174	83,11,319	96,35,566	0	-4,906	-4,906	96,30,660		-13,19,341
28	MASS SCALE PRODUCTION OF MICROBIAL CONSORTIUM													
	Current Year	7,20,428	0	0	0	0	7,20,428	7,20,428	0	0	0	7,20,428		0
	Previous Year	0	0	0	7,20,428	7,20,428	7,20,428	23,48,948	0	-16,28,520	-16,28,520	7,20,428		0
29	PRO DEV AUTOMATION SANITARY NAPKINS													
	Current Year	35,00,000	0	0	0	0	35,00,000	35,00,000	0	0	0	35,00,000		0
	Previous Year	35,00,000	0	0	0	0	35,00,000	46,98,890	0	-11,98,890	-11,98,890	35,00,000		0
30	PROMOTING THE USAGE OF GEOTEXTILES IN NER													
	Current Year	33,00,000	0	0	0	0	33,00,000	33,00,000	0	0	0	33,00,000		0
	Previous Year	33,00,000	0	0	0	0	33,00,000	66,06,815	0	-33,06,815	-33,06,815	33,00,000		0
31	TEV STUDIES FOR GOVT. OF ARUNACHAL PRADESH													
	Current Year	0	0	0	0	0	0	0	0	0	0	0		0
	Previous Year	0	0	0	0	0	0	20,014	0	-20,014	-20,014	0		0
32	NRDC PROJECT-Dev-New_Drft													
	Current Year	4,80,000	7,75,000	0	0	7,75,000	12,55,000	9,84,275	0	7,81,030	7,81,030	17,65,305		-5,10,305
	Previous Year	4,80,000	0	0	0	0	4,80,000	0	0	9,84,275	9,84,275	9,84,275		-5,04,275
33	TOGA GRADE FOR BIMLI FIBRE													
	Current Year	0	0	0	0	0	0	0	0	0	0	0		0
	Previous Year	0	0	0	0	0	0	30,153	0	-30,153	-30,153	0		0
	Current Year - Total	13,42,30,762	2,28,32,985	0	0	2,28,32,985	15,70,63,747	13,84,84,347	0	1,32,28,741	1,32,28,741	15,17,13,088	-49,24,633	4,26,026
	Previous Year - Total	11,99,25,922	33,77,400	0	1,09,27,440	1,09,27,440	13,42,30,762	15,54,51,334	0	-81,62,188	-81,62,188	13,84,84,347	-49,24,633	-91,78,217



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 4				
<u>A. CURRENT LIABILITIES</u>				
1. Sundry Creditors				
a) For Goods				
b) Others		33,26,131		1,76,428
2. Security Deposit		1,71,158		1,71,158
3. Advance Received From Parties		6,50,000		
<u>4. Others Current Liabilities</u>				
(a) Unpaid and Undischarged Liabilities		17,83,546		7,82,675
(b) Earnest Deposit	1,60,100		1,35,100	
(c) Outstanding Liabilities	6,57,847		8,95,111	
(d) Provident Fund	2,22,249		2,09,343	
(e) Voluntary provident fund	1,36,370		1,15,182	
(f) Professional Tax	5,940		5,500	
(g) Duties and Taxes	13,61,276		-	
(g) Group Insurance premium	-		833	
(g) Salary Payable	-	25,43,782	15,76,812	29,37,881
(h) Tax Deducted at Source				
On Contractor	8,018		29,975	
On salary	2,06,871		3,08,036	
On Professionals	16,700		42,730	
(i) Duties & Taxes including GST	26,436	2,58,025	9,64,102	13,44,843
<u>B. PROVISIONS</u>				
1. Leave Encashment	99,90,641		78,52,495	
2. Gratuity	1,32,19,066		1,39,29,443	
3. Expenses For Project and Others	-		10,63,426	2,28,45,364
4. Provision for Doubtful debts Advance	2,88,426	2,34,98,133		
TOTAL		3,22,30,775		2,82,58,349



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF THE BALANCE SHEET AS AT 31ST MARCH, 2025
SCHEDULE - 5

FIXED ASSETS

		GROSS BLOCK				DEPRECIATION						AMOUNT IN RUPEES	
												NET BLOCK	
Sl No	Description	Cost/Valuation as at the beginning of the year	Additions during the year	Deductions during the year	Cost/Valuation at year end	As at the beginning of the year	During the year	Additions during the year	Total Depreciation for the year	On Deductions during the year	Total up to the year end	As at the current year end	As at the previous year end
1	LAND												
a)	Freehold												
b)	Leasehold												
2	BUILDINGS ON												
a)	Freehold Land												
b)	Leasehold Land	2,05,73,715		1,09,561	2,04,64,154	1,76,39,149	2,82,501	-	2,82,501	-	1,79,21,650	25,42,505	29,34,566
c)	Ownership Flats/Premises	16,44,684	1,09,561		17,54,245	11,63,580	29,533	-	29,533	-	11,93,113	5,61,132	4,81,104
3	PLANT MACHINERY & EQUIPMENT	1,94,87,093	48,147	48,147	1,94,87,093	1,92,89,451	29,646	-	29,646	-	1,93,19,097	1,67,996	1,97,642
4	SCIENTIFIC APPARATUS	1,60,10,963	1,19,16,041	9,27,141	2,69,99,863	1,37,45,979	9,05,994	21,24,240	30,30,234	-	1,67,76,213	1,02,23,650	22,64,984
5	FURNITURE & FIXTURES	35,00,344		15,882	34,84,462	30,80,320	40,414	-	40,414	-	31,20,734	3,63,728	4,20,024
6	OFFICE EQUIPMENTS	36,07,809	3,50,382		39,58,191	28,91,656	2,86,461	70,076	3,56,538	-	32,48,194	7,09,997	7,16,153
7	COMPUTERS	78,16,869	5,00,062	3,67,234	79,49,697	75,02,533	1,25,734	26,566	1,52,300	-	76,54,833	2,94,864	3,14,336
8	ELECTRICAL EQUIPMENT	28,000	1,05,000		1,33,000	-	11,200	42,000	53,200	-	53,200	79,800	28,000
9	AIR CONDITIONING PLANT	27,67,094			27,67,094	26,70,095	14,550	-	14,550	-	26,84,645	82,449	96,999
10	TELEPHONE INSTALLATION	7,86,108			7,86,108	7,66,244	2,582	-	2,582	-	7,68,826	17,282	19,864
11	PATENTS	3,59,901			3,59,901	2,74,071	21,458	-	21,458	-	2,95,529	64,373	85,831
12	LIBRARY BOOKS	13,74,206	980		13,75,186	13,63,256	4,380	392	4,772	-	13,68,028	7,158	10,950
13	COMPUTER SOFTWARE	50,67,809			50,67,809	50,67,639	170	-	170	-	50,67,809	-	170
14	ELECTRICAL INSTALLATION	24,18,867	2,96,208	2,96,208	24,18,867	19,81,209	65,649	-	65,649	-	20,46,858	3,72,009	4,37,658
TOTAL OF CURRENT YEAR		8,54,43,462	1,33,26,381	17,64,173	9,70,05,670	7,74,35,182	18,20,272	22,63,274	40,83,546		8,15,18,728	1,54,86,942	80,08,281
PREVIOUS YEAR		8,29,45,952	25,09,246	11,736	8,54,43,462	7,65,41,474	8,81,002	12,705	8,93,706		7,74,35,180	80,08,281	64,04,477

Note:												Current Year	Previous Year
Total Cost of Fixed Assets Acquired out of Grant-in-Aid (Net of Disposal/adjustment) as per Capital Reserve Account												1,91,672	2,22,773
Total Cost of Fixed Assets Acquired out of Association's own Fund (Net of Disposal/adjustment)												9,68,13,998	8,52,20,689
Total												9,70,05,670	8,54,43,462

WDV at the beginning of the year	80,08,281
Balance of Capital Reserve at the beginning of the year	1,91,672
Apportionment of Depreciation	
Total depreciation	40,83,546
Transferred to Capital Reserve	8,167
Charged to Revenue	40,75,379



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF THE BALANCE SHEET AS AT 31ST MARCH, 2025

PARTICULARS	AMOUNT IN RUPEES			
	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 6				
CURRENT ASSETS, LOANS AND ADVANCES				
A. CURRENT ASSETS				
1. Sundry Debtors				
a) outstanding to the period exceeding six months				
Considered Good		1,56,45,588		99,65,304
2. Inventories of Stores & Spares		2,29,486		2,61,057
3. Cash Balance in Hand (Including Cheques/Drafts and Imprest)		10,824		33,452
4. Bank Balances				
a) With Scheduled banks				
In Current Account/Savings Accounts	1,39,44,881		1,03,81,948	
Fixed Deposit Accounts	12,03,88,690	13,43,33,571	10,50,09,449	11,53,91,397
b) With non-scheduled banks				
c) Cheque in Hand				
TOTAL (A)				
B. LOANS, ADVANCES AND OTHER ASSETS				
(Unsecured - Considered Good)				
1. Advances and other amount recoverable in cash or in kind or for value to be received				
(a) Advances to staffs	(2,43,102)		(2,43,683)	
(b) Deposits with Others	99,34,414		90,86,176	
(c) Festival Advances			20,000	
(d) Pre Paid Expenses	58,172		53,946	
(e) Income Tax Deducted at sources and GST				
Input Credit	64,93,087		66,78,999	
2. Accrued Interest on Fixed Deposit	42,35,855	2,04,78,426	43,31,360	1,99,26,798
TOTAL (B)				
TOTAL (A) + (B)		17,06,97,895		14,55,78,008



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 7 (A)				
<u>INCOME FROM SERVICES</u>				
<u>Income From Services-Others</u>				
CERTIFICATION FEES PROCESS CAPABILITY	12,87,000		12,75,000	
CONSULTANCY CHARGES AND TRAINING FEES	8,49,000		5,94,810	
TECHNOLOGY TRANSFER FEES			1,50,000	
FGJP TESTING & PROCESS AUDIT	8,02,920		4,01,700	
CALIBRATION CHARGES	5,80,500		9,25,027	
PROFESSIONAL FEES FOR MMIS			66,052	
TESTING CHARGES	75,97,815		47,23,426	
SERVICE CHARGES FOR STUDY ON LOW PRODUCTIVITY	35,000			
TESTING & TRAINING PROG. AT PSC GUWAHATI	15,350		21,892	
ANNUAL MAINTENANCE CHARGES AT PSC	33,000		9,000	
SPARES PARTS INSPECTION FEES		1,12,00,585	2,17,847	83,84,754
TOTAL		1,12,00,585		83,84,754
SCHEDULE - 7 (B)				
<u>SKILL DEVELOPMENT PROGRAMME</u>				
FEES FOR SUPERISORY TRAINING PROGRAMME	2,00,000		9,95,000	
GENERAL FEES & SPOND. FEES FOR PGD COURSE	1,02,860		4,67,830	
NSDC-PMKVY 4.0 SKILLING PROG.	22,00,658	25,03,518	10,10,618	24,73,448
		25,03,518		24,73,448
SCHEDULE - 8				
<u>Fees / Subscription</u>				
Annual Subscription		69,62,510		74,49,600



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 9				
INTEREST EARNED				
1) On Fixed Deposit				
a) With scheduled Banks on Fixed Deposit Receipts	53,10,080		15,30,843	
Special Reserve Account	<u>40,37,760</u>	93,47,840	<u>49,97,935</u>	65,28,778
b) Others	<u>1,62,670</u>	1,62,670	<u>53,504</u>	53,504
2) On Savings Account				
With scheduled Banks	<u>3,32,681</u>	3,32,681	<u>2,84,068</u>	2,84,068
3) On Security Deposit	<u>1,08,707</u>	1,08,707	<u>1,06,878</u>	1,06,878
TOTAL		<u>99,51,898</u>		<u>69,73,228</u>

SCHEDULE - 10

OTHER RECEIPTS, RECOVERIES AND PROCEEDS

1) Liability no longer required written back	7,10,377		13,59,766	
2) Miscellaneous Receipt	39,080		5,156	
3) Recovery of salary	7,08,310		9,21,235	
5) Recovery from New Drafting-spinning-Mach-NRDC-Proj.	-		75,000	
6) Recovery from Explr.of usage of Engg. Jute	25,43,400			
7) Recovery from BIS proj.-0172	3,17,935			
8) Overhead recovery from Bamboo Project (NTTM)	9,45,000			
9) Sale of scraps	-	52,64,102	18,264	23,79,421
TOTAL		<u>52,64,102</u>		<u>23,79,421</u>



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 11				
ESTABLISHMENT EXPENSES & OTHER				
ADMINISTRATIVE EXPENSES				
Salary and Wages	2,95,18,624		2,90,63,871	
Contribution to Provident Fund	39,09,190		35,80,478	
EDLI charges	56,978		52,088	
PF Administrative Charges	1,62,892		1,49,184	
Contribution to Group Insurance	1,834		1,724	
Gratuity and other terminal benefit	4,00,569		87,31,283	
Leave Encashment	23,44,996		34,21,048	
Staff welfare expenses	22,240		29,749	
Exgratia & Awards	11,89,535		7,97,323	
Leave Travel Allowances	38,280		16,91,816	
	3,76,45,138		4,75,18,564	
Less: Pertaining to Research and Development expenses (20:80)	<u>3,01,16,110</u>	75,29,028	<u>3,80,14,851</u>	95,03,713
Rent, Rates and Taxes		73,87,226		75,90,527
Insurance		10,975		13,170
Printing, stationery and consumables	2,12,654		1,49,422	
Less: Pertaining to Research and Development (50:50)	<u>1,06,327</u>	<u>1,06,327</u>	<u>74,711</u>	<u>74,711</u>
Postage, telephone and communication charges	3,02,128		3,58,826	
Less: Pertaining to Research and Development expenses (50:50)	<u>1,51,064</u>	<u>1,51,064</u>	<u>1,79,413</u>	<u>1,79,413</u>
Registration fees for Gem and others		12,500		
Data Processing charges	72,886		3,34,984	
Less: Pertaining to Research and Development expenses (50:50)	<u>36,443</u>	<u>36,443</u>	<u>1,67,492</u>	<u>1,67,492</u>
Domestic				
Boarding and lodging	1,84,267		1,06,928	
Cost of tickets	7,46,121		1,90,039	
others	4,82,710		96,904	
	<u>14,13,098</u>		<u>3,93,871</u>	
Less: Pertaining to Research and Development expenses (0:100)	<u>14,13,098</u>		<u>3,93,871</u>	



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION				
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025				
PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
Local conveyance & Mill visits	6,62,397		7,48,866	
Less: Pertaining to Research and Development expenses (30:70)	<u>4,63,678</u>	1,98,719	<u>5,24,206</u>	2,24,660
Vehicle Operational charges				
Hire charges	7,82,085		6,70,252	
Less: Pertaining to Research and Development expenses (20:80)	<u>6,25,668</u>	1,56,417	<u>5,36,202</u>	1,34,050
Energy Cost	18,03,205		16,48,733	
Less: Pertaining to Research and Development expenses (30:70)	<u>12,62,244</u>	5,40,961	<u>11,54,113</u>	4,94,620
Water charges	1,20,000		71,136	
Less: Pertaining to Research and Development expenses (70:30)	<u>36,000</u>	84,000	<u>21,341</u>	49,795
Upkeep and Maintenance				
General Upkeep (Horticulture, sweeping, pest control)	11,09,143		10,46,935	
Repair & Maintenance of Building & furniture	5,62,442		55,900	
Office Maintenance	7,63,128		5,23,987	
Security charges	<u>12,29,043</u>	36,63,756	<u>12,11,048</u>	28,37,870
Legal expenses	2,60,454		2,19,210	
Professional fees and charges	<u>1,46,000</u>	4,06,454	<u>3,38,900</u>	5,58,110
Auditors' remuneration charges				
Statutory Audit fees	42,000		42,000	
Internal Audit fees, etc.	22,500		15,000	
Liason Expenses	72,000		30,000	
Advertisement	2,800		2,960	
Bank charges, commission, exchange variation	90,346		4,863	
Misc. expenses			119	
Rounding off adjustment	-	2,29,646	291	95,233
TOTAL		<u><u>2,05,13,516</u></u>		<u><u>2,19,23,364</u></u>



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
SCHEDULE - 12				
RESEARCH AND DEVELOPMENT EXPENSES				
Salary and Wages	2,95,18,624		2,90,63,871	
Contribution to Provident Fund	39,09,190		35,80,478	
EDLI charges	56,978		52,088	
PF Administrative Charges	1,62,892		1,49,184	
Contribution to Group Insurance	1,834		1,724	
Gratuity and other terminal benefit	4,00,569		87,31,283	
Leave Encashment	23,44,996		34,21,048	
Staff welfare expenses	22,240		29,749	
Exgratia & Awards	11,89,535		7,97,323	
Leave Travel Allowances	38,280		16,91,816	
SUB TOTAL	3,76,45,138		4,75,18,564	
Less: Pertaining to administrative expenses (20:80)	75,29,028	3,01,16,110	95,03,713	3,80,14,851
Expenses for NABL Accreditation	2,66,162		1,77,697	
Expenses for technical feasibility study			75,130	
Expenditure for Bio chemical solution	1,99,030		1,78,568	
Expenditure for Mill study			2,40,000	
Expenditure for testing	13,96,000		3,83,073	
Residual tech service and pre project expenses	19,32,862		4,43,032	
Laboratory stores and chemicals	86,17,410		35,02,181	
Expenditure for training	-		12,390	
Expenditure for calibration	69,101		32,598	
Patent application fees	2,31,712		-	
Laboratory Equipment & Testing	91,346		59,814	
Expenditure for Tantuja Inspection	3,48,223		1,16,082	
Expenditure on Seminar & Conference	-		9,54,712	
Expenditure on IJIRA Sonali Awareness prog.	-		6,849	
Expenditure on Subhra Awareness Programme	50,564	1,32,02,410	3,42,627	65,24,753
Journals and periodicals, subscription expenses		29,720		53,909
		1,32,32,130		65,78,662
Repair and maintenance				
Scientific equipments		3,97,235		1,36,551
Plant and Machinery		7,879		10,000
Office Equipment		-		1,06,038
Pilot plant maintenance		4,31,216		1,13,954
Energy cost	18,03,205		16,48,733	
Less: Pertaining to Establishment and other admn. Expenses (70:30)	5,40,961	12,62,244	4,94,620	11,54,113



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

PARTICULARS	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2025	AS AT 31ST MARCH, 2024	AS AT 31ST MARCH, 2024
Printing, stationery and consumables	2,12,654		1,49,422	
Less: Pertaining to Establishment and other admn. Expenses (50:50)	1,06,327	1,06,327	74,711	74,711
Water charges	1,20,000		71,136	
Less: Pertaining to Establishment and other admn. Expenses (30:70)	84,000	36,000	49,795	21,341
Postage telephone and communication charges	3,02,128		3,58,826	
Less: Pertaining to Establishment and other admn. Expenses (50:50)	1,51,064	1,51,064	1,79,413	1,79,413
Freight and other charges				27,530
Data Processing charges	72,886		3,34,984	
Less: Pertaining to Research and Development expenses (50:50)	36,443	36,443	1,67,492	1,67,492
Domestic				
Boarding and lodging	1,84,267		1,06,928	
Cost of tickets	7,46,121		1,90,039	
others	4,82,710		96,904	
	14,13,098		3,93,871	
Less: Pertaining to Research and Development expenses (100%)	-	14,13,098	-	3,93,871
Local conveyance & Mill visits	6,62,397		7,48,866	
Less: Pertaining to Research and Development expenses (70:30)	1,98,719	4,63,678	2,24,660	5,24,206
Vehicle Operational charges				
Hire charges	7,82,085		6,70,252	
Less: Pertaining to Research and Development expenses (80:20)	1,56,417	6,25,668	1,34,050	5,36,202
IJIRA-NERC-Guwahati				2,88,366
NERC General expenditure		5,94,295		
Repairing and Renovation expenditure		3,01,454		
		4,91,74,841		4,83,27,301



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULE 13 – SIGNIFICANT ACCOUNTING POLICIES

For the year ended 31st March, 2025

1. Basis of Preparation of Financial Statements (Balance Sheet and Income & Expenditure Accounts for the year ended 31st March, 2025)

The Financial Statements are prepared on accrual basis under the historical cost convention, except for certain Fixed Assets which are carried at revalued amounts. The financial statements are presented in Indian Rupees rounded off to the nearest rupees.

2. **Use of Estimates:**

The preparation of financial statements in conformity with the existing rules and regulations requires judgments, estimates and assumptions to be made that affect the reported amount of assets and liabilities, disclosure of contingent liabilities on the date of the financial statements and the reported amount of revenues and expenses during the reporting period. Difference between the actual results and estimates are recognized in the period in which the results are known/materialized.

3. **Property, Plant and Equipment:**

Tangible Assets

Tangible Assets are stated at cost net of recoverable taxes, trade discounts and rebates and include amounts added on revaluation, less accumulated depreciation and impairment loss, if any. The cost of Tangible Assets comprises its purchase price, borrowing cost and any cost directly attributable to bringing the asset to its working condition for its intended use.

4. **Depreciation:**

Depreciation is provided on written down value method at the rates specified in the Income Tax Act, 1961 and the rules framed there under. Depreciation on assets acquired through grant-in-aid is charged to Capital Reserve. Depreciation on assets acquired through association's own fund is charged to Income and Expenditure Account. Depreciation on assets acquired through project fund is not accounted for.

5. **Investments:**

Investments classified as "long term" are carried at cost. Provision for decline, other than temporary, is made in carrying cost of such investments. Investments classified as 'current' are carried at lower of cost and fair market value. Provision for shortfall on the value of such investments is made for each investment considered individually and not on a global basis. Cost includes acquisition expenses like brokerage, transfer stamps.

6. **Inventories:**

Items of inventories are measured at lower of cost and net realizable value after providing for obsolescence, if any. Cost of inventories comprises of cost of purchase, cost of conversion and other costs including manufacturing overheads incurred in bringing them to their respective present location and condition.

Cost of raw materials, process chemicals, stores and spares, packing materials, trading and other products are determined on weighted average basis.



7. Income Recognition:

- (i) Income is recognized only when risks and rewards incidental to ownership are transferred to the customer, it can be reliably measured and it is reasonable to expect ultimate collection. Revenue from operations includes sale of goods, services, GST, and excise duty adjusted for discounts (net). Dividend income is recognized when the right to receive payment is established. Interest income is recognized on a time proportion basis taking into account the amount outstanding and the interest rate applicable. Interest on savings Bank Accounts are accounted for is credited to bank account. Interests earned from Fixed Deposits/Term Deposits are accounted for on accrual basis in line with 26AS as per Income Tax Portal.

(ii) **Income from Subscription from Member and Admission Fee:**

Income from Membership is recognized when the membership is due and bills are raised as and when payment is received from the member mills for the membership fees to that effect.

(iii) **Certification Fees, Testing charges etc.**

Incomes from certification fees, Testing charges etc. are accounted for on mercantile basis.

(iv) Grants from Government of India (Plan)

The grant of the capital nature is accounted for by showing fixed assets at gross amount and corresponding credit given to Capital Reserve Account.

8. TERMINAL BENEFITS

Liability for Gratuity and Liability for Leave Encashment are provided in the accounts based on the actuaries report and IJIRA's calculation on the basis of service manual.

9. RESEARCH AND DEVELOPMENT EXPENDITURE

Revenue Expenditure on Research and Development are charged to Income and Expenditure Account in the year in which these are incurred. Capital Expenditure is considered as addition to fixed assets.

10. GOVERNMENT GRANT

a. Revenue:

The total Grant-in-Aid as sanctioned for Non-plan recurring expenditure is recognized as income and is credited to the Income and Expenditure Account.

b. Capital:

The Grant of the capital nature is accounted for by showing fixed assets at gross value and corresponding credit given to Capital Reserve Account. The Depreciation/amortization etc. of such assets are adjusted with Capital Reserve.



11. EARMARKED/ENDOWMENT FUNDS:

Amount received as grant or assistance for specific purposes showing as liability in the Balance Sheet as 'Earmarked/Endowment funds' and remaining to be expended/utilized for the specific purpose for which these are intended, are disclosed under this head and are subject to comply with certain terms and conditions in the respective agreements.

Provision made for incurring the residual work of the projects have been kept for the respective projects account by charging the estimated amount to be incurred in future such as cost of trial run at the mills and the contingencies etc. after getting the due fund from the project sanctioning authority i.e. MoT/Industry/NJB and to be squared up the provision made. After the decision taken in the PAMC meeting and subsequently approved in the PAC meeting, all Govt. sponsored projects have been declared closed and it was recommended for payment of residual grant for six (06) number projects would be made to IJIRA to replenish the expenditure incurred by IJIRA. The project sanctioning authority would not pay any further amount for any expenditure already incurred. Accordingly, excess expenditure amount have been written off on the basis of IJIRA Council of Management.

12. APPORTIONMENT OF CERTAIN EXPENSES:

Expenses namely Energy cost Account, water charges account, and postage, telephone & communication charges, Maintenance of hardware & IT (Research) Account have been apportioned between Establishment Expenses & other Administrative Expenses AND Research & Development Expenses in the ratio of 30:70, 30:70 & 50:50 respectively as mentioned in the schedule forming part of financial statement. Accordingly, previous year's figures have been regrouped/rearranged and also apportioned in respect of above accounts for the purpose of comparison.

13. GENERAL RESERVE

Surplus/deficit of income & expenditure account is transferred to General Reserve.

14. FORMAT OF ANNUAL ACCOUNTS

The accounts of the association has been prepared in the draft format for submission of annual accounts recommended by Government of India, Ministry of Textiles vide their office memorandum No. CCA/COM&TEX/2005/95 dated 22/07/2005.

15. CORPUS FUND

Corpus Fund includes: Admission Fee of the members.

16. GST

GST is accounted on the Basis of both, payment made in respect of goods cleared/services provided and provisions made for goods lying in bonded warehouses.

17. Employee Benefits:

Short Term Employee Benefits

The undiscounted amount of short term employee benefits expected to be paid in exchange for the services rendered by employees are recognized as an expenses during the period when the employees render the services.



INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

SCHEDULE 14 – CONTINGENT LIABILITIES & NOTES ON ACCOUNTS

1. CONTINGENT LIABILITIES

(i) Claims against the association not acknowledged as debt is Rs.10,36,90,716.40 as per order No. 36 dated 18th March 2013, proceedings No. 1051, 1051/R, 1051/D of 2010 issued by the Estate Officer, Kolkata Port Trust.

(ii) Kolkata Port Trust (KoPT) raised a claim of Rs.24,16,53,036.04 as total dues on 31/03/2017 including Rs.14,25,36,024.80 as outstanding principle dues as on 31/07/2017 and Rs.9,91,17,911.24 as outstanding interest as on 31/03/2017, vide letter Ref. No. Lnd 4083/X/17/1607 dated 13 June 2017.

(iii) Kolkata Port Trust (KoPT) has claimed Rs.61,22,27,413/- as outstanding dues of Rent and interest thereon, in their Affidavit before the Hon'ble Additional District Judge 7th Court Alipore, South 24 Parganas, but as per their bills in the Month 2023, they have shown a sum of Rs.37,58,60,444/- towards total outstanding dues lying on account of rent and

interest thereon. IJIRA has raised an objection before the Court and the matter is sub-judice. As per Court order No.50 dated 10/03/2022, IJIRA has been paying Rs.6,14,667/- per month as ad-hoc rent since March, 2022 based on the interim order. Hon'ble Addl. Session Judge 7th Court, Alipore, South 24-Parganas has issued an order no. 73 dated 06/01/2024 stating that "The order No 36 dated 18/03/2013 for vacating the IJIRA premises passed by the Ld. Estate Officer of KoPT is hereby set-aside.

2. LEAVE ENCASHMENT

Liability on account of leave encashment as at 31/03/2025 has been determined by Omni Consultant Consortium actuary, is Rs.99,90,641/-

3. GRATUITY

Liability on account of Gratuity as at 31/03/2025 payable to employees on retirement has been determined by Omni Consultant Consortium, actuary is Rs.1,32,19,066/-.

4. COMPARATIVES

Previous year's figures have been rearranged and regrouped wherever necessary.



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2025

RECEIPTS	AMOUNT IN RUPEES				PAYMENTS	AMOUNT IN RUPEES			
	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024		YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
I. Opening Balances					I. Opening Balances				
a) Cash and Cheques in Hand	33,452.00		11,437.00		Bank Balance	0.40	1,12,012.40		
b) Bank Balance					Book Draft with United Bank of India				1,12,012.40
i) In current Accounts	34,43,798.23		27,62,741.49		II. EXPENSES				
ii) In Deposit Accounts	10,50,09,448.55		9,90,55,868.77		a) Establishment Expenses				
iii) Savings Account	69,38,150.33	11,54,24,849.11	23,97,085.25	10,42,27,132.51	Salary for contractual staff		5,65,345.00		
Add: Reversal of cancelled cheque					Retainer ship fees & outsourced fees		55,000.00		
Admission Fees					Salaries & Wages				
Corpus Fund					Leave Encashment				
II. Grants Received					Staff salary advance and general advance		67,55,189.00		
a) From Govt. of India					Contribution to Gr. Insurance				
Grant-in-Aid from GOI	2,00,00,000.00	2,00,00,000.00	2,00,00,000.00	2,00,00,000.00	Contribution to PF				
					Ex-Gratia and award		7,30,533.00		
					Leave Travel Allowance				
					Public Relation Expenditure	72,000.00			
					Staff welfare		37,88,615.50		
					Gratuity				
					Acturial fees				
b) From other sources					Honorarium		16,16,129.00		
Sponsored Projects Fund					Liaison expenses		30,000.00	1,35,40,811.50	
					Expenditure for NSDC-PMKVY 4.0	4,23,243.00			
					Expenses for Skilling Devl.Prog.NTTM-GOI	250.00			
					Local Confeyance	2,41,915.00			
					Rounding off adjustment	8.54			
					Administrative Expenses	6,02,214.00			
					Cost of Energy	20,730.00			
					Data Processing Expenditure	6,241.00			
					Expenditure for HRD-PGD course	12,772.00			
					Expenditure for Inspection	1,26,19,821.00			
					Expenditure on Maintenance	4,34,571.00			
					Expenditure on Seminar & Conference	29,198.00			
					Exp.for Conf. on NBS for Sustain.&Clmt.	18,58,207.97			
					Financial Expenses	90,346.08			
					IJIRA-NERC-Guwahati	1,949.00			
					Personnel Expenditure	81,30,617.75			
					Rent, Taxes & Insurance	73,91,373.00			
					Research Oriented Expenditure	2,56,640.00	3,21,92,097.34		



					AMOUNT IN RUPEES				
RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	PAYMENTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
Biochemical Softening of Hard Root Cuttir	10,69,882.00				Recovery from Staff Salary & other current Liabilities				
Desi_Dev_of Cont_Damp_Calen_Cutting	31,27,083.00				Professional Tax		1,19,400.00		
Development of High Speed Roller					Provident Fund Deduction		35,80,478.00		
Drafting System	6,16,000.00				Group Insurance Premium& maturity settl		77,022.30		
Faster Retting of Jute Plant	26,00,213.00				PM cares fund				
EXPLO. OF USES OF ENGG. JUTE & AGR. WASTE			21,77,400.00		Provident fund deduction - voluntary		12,59,660.00		
Feasibility study of Oil Free Proc. Of jute	23,22,000.00				Retainership payable				
Jute Thermo Composite for Green Prod.	13,24,247.00				salary payable		1,89,31,741.00	2,39,68,301.30	
Dev. Of Diff. Extr. Tech. Long Bamboo					Other Receipts,Recoveries & Proceeds				
Fibre (NTTM)	51,61,770.00				Recovery from Spon.Proj.(BIS Proj.-0172)	454.00			
Slope Pro. & Eros.Con.cln. Wt. Mgmt. & Agr.Waste	14,65,000.00				Fees for PGD course	10,000.00	10,454.00		
Explor. Of Usage of Engg. Jute & Agr.Waste	21,77,400.00				b) Administrative Expenses				
Study_const_Perfm_Req._Jt.Tex - TXD0273	2,58,390.00				Advertisement				
Study of Pack_prac_jute Prod.(TXD 0172)	7,36,000.00	2,08,57,985.00			Audit Fees, Certification etc.				
POWERLOOM SERVICE CENTRE PLAN		12,00,000.00	12,00,000.00		Misc. expenses		1,00,492.40		
					Legal Expenses		1,500.00		
					Postage & Telephone		10,888.00		
					Payment of outstanding liability		2,13,292.00		



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 2025

RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	PAYMENTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
Unpaid/Undischarged Liability	10,00,871.00				Printing			800.00	
Sundry Creditors	1,09,47,345.00				SUNDRY BALANCE WRITTEN OFF				
Advance from Party	6,50,000.00				Stationery & Consumables			6,161.00	
Earnest Deposit	25,000.00				Travelling & conveyance Expenses			2,78,993.00	
Gr. Insurance Maturity Settlement	24,527.00				expenditure for seminar, conference			86,238.00	
Outstanding Liabilities	6,14,677.00				Vehicle & Transport			2,95,100.00	
Professional Tax	62,670.00								
Provident Fund Deduction	11,97,181.00				Gas & Electricity			15,140.00	
Tax Deducted at Source	<u>2,01,772.00</u>	1,47,24,043.00			Expenditure for calibration				
					Expenditure for Bio-chemical solution				
					Research Oriented Expenditure				
					Expenditure for Textile India				
					Advance to party	3,14,634.00			
					Data Processing Services			2,660	
					General Upkeep & horticulture				
					Maintenance Stores				
					Office Maintenance & Maintent. (office				
					equip. & sc. Equip.)			74,185.00	
III. Income on Investment From					Repairs & Maintenance & building				
a) Earmarked/Endow. Funds				87,949.00	Repair & Maintenance (software)				
b) Own Funds (Oth. Investment)					Security Service				
					Water charges				
					Maintenance of Hardware &				
					Infrastructure				
					Earnest money deposit			31,32,918.00	
					Expenditure for others				
					Bank charges, and other Expenses			4,862.90	
					Professional fees and charges				
					Fees for theoretical class for MAKAUT			6,07,938.00	
					Training programme				
					Expenditure for testing charges				
					conveyance charges for MAKAUT				
					Expenditure for Technical Feasibility Study			75,130.00	
					Expenditure for PMKVY 4.0		3,14,634.00	<u>82,511.00</u>	49,88,809.30



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	AMOUNT IN RUPEES	
					YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
IV) Interest Received						
a) Interest on Refund						
b) On Fixed Deposit	33,24,338.00		8,46,303.00			
c) Interest on Savings A/c.	3,32,681.00		2,84,068.00			
d) Interest on Spl. Reserve	57,68,801.00		38,45,733.00			
e) Interest on others	<u>1,62,670.00</u>	95,88,490.00	<u>53,504.00</u>	50,29,608.00		
V. Other Income						
MIS. INCOME	17,978.39		1,93,656.00			
Recovery from salary	7,08,310.00					
Fees for PGD Course	1,02,960.00					
Fees for Supervisory Training Programme	2,00,000.00					
Fees-NSDC PMKVY 4.0 Skill Dev. Prog.	<u>21,60,991.82</u>	31,90,240.21				
Rounding Off Adjustment	24.76					
Expenditure for HRD-PGD Course	8,000.00					
Expenditure for Inspection	24,440.00					
Expenditure on Maintenance	672.00					
Explr. For Conf. on NBS for Susta. & Climt.	84,469.02					
Rent, Taxes & Insurance	<u>6,14,677.00</u>	7,32,282.78				
Fees for PGD course			2,42,920.00			
Advance from Party			9,90,399.10			
NSDC PMKVY 4.0 skilling programme			7,80,000.00			
Income from training fees						
Fees for supervisory training programme						
Short course on spreader						
Short course on carding						
Fees for theoritical & practical (MAKAUT)						
Short course on jute batching				22,06,975.10		
EXPEN. FOR						
PAPER PUBLICATION						
Journals & Periodicals					5,401.00	
Professional Fees & charges						
Insurance					13,170.00	
Rent, Rates & Taxes					67,67,149.00	
Festival advance						
Eco-Lab Expenses Calcutta						
Expenditure for Faster Retting						
Meeting Expenses						
Patent Renewal & application						
Expenditure for process audit FGJP						
EDLI Admn. Charges						
EDLI charges						
PF Admin. Charges						
Expenses for Inspection					93,67,125.00	
Provident Fund demurrage						
Pilot Plant Maintenance					100.00	
Exp. For mill visit						
EXPENDITURE FOR SANITARY						
NAPKIN						
Expenditure for Tantuja					34,933.00	
Expenditure for Faster Retting payable						
Residual and Project Expenses					33,862.00	
Expenditure for NERC						
Expenditure for consultancy charges						
Expenditure for lab. Stores & chemicals						
Expenses for Disaster						
Management						
Expenditure for ISAPM						
Expenditure for Mill Study						
Development of Creel Feed assemble						
Freight						
Expenditure for vendor certification						
Expenditure for short course on carding						
Expenditure for subhra awareness prog.					<u>1,26,721.00</u>	1,63,48,461.00



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2024

RECEIPTS	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	PAYMENTS	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
VI. Any Other Receipts & recoveries etc.			III. PAYMENTS MADE AGAINST FUNDS FOR VARIOUS PROJECTS		
a) Deductins on salary and Other Payments			DESI_DEV_OF CONT_DAMP_CALEN_CUT_M/C.	14,066.00	
Service to Industry			JUTE BASED AIR FILTER HAVE ANT.MICRO.OD	3,24,234.00	
			BIO_CHEM_SOFT_OF HARD ROOT CUT.OF JUTE	5,864.00	
b) Contra with Establishment Admin. & Other Payments			DESIGN & DEV. OF 50 KG. CAPACITY JUTE BAGS	5,532.00	
			DEV. OF HIGH SPEED ROLLER DRAFTING SYS.	9,312.00	
			DEV. OF JUTE BASED TEXTILE PREFORMS & PULTRUD.	5,43,647.00	
			DEV. OF PLA LAMINATED JUTE AS BIO COMP.	3,95,151.00	
			DEV_STD_JGT_MOT_06	17,509.00	
c) Others			FASTER RETTING OF JUTE PLANT	17,967.00	
			FEASIBILITY STUDY OF OIL FREE PROC. OF JUTE FIBRES	4,258.00	
			JUTE THERMO-COMPOSITE FOR GREEN PRODUCT	4,906.00	
Refund From Sundry Creditors			UTILIZATION OF JUTE STICKS AND JUTE WASTE	17,806.00	
Refund of tour advance			EXPLOR. OF USAGE OF ENGG. JUTE & AGR.	6,936.00	
			SPON. PROJ. POWERLOOM SER.CENTRE	2,080.00	13,69,268.00
			Devel.of Diff. Extr.Tech Long Bamboo	32,79,370.00	
Current Liabilities			Slope prot. & Eros. Con. Cln. Wt. Mgm.	14,65,000.00	
Provision for Rates & Taxes	15,000.00		Study of Packg. Prac Jute Prod.(TXD0172)	1,45,934.00	56,10,176.00
Sundry Creditors	4,34,371.20				
Professional Tax	47,530.00				
Provident Fund Deduction	8,95,556.00				
TDS on contractor	2,276.00				
TDS on professional	1,52,113.00				
Group Insurance Maturity settlement	67,304.00				
Easnest Deposit	10,00,059.00				
Other current liability		26,14,209.20			



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	PAYMENTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
I, Tax Deducted at Source (From Bills and REFUND		20,04,506.50		8,23,296.00	Expenses for NABL Accreditation				
Accrued Interest on Short Term and Special Reserve Fixed Deposit									
Prior Period Adjustment									
Sundry Debtors		9,13,72,035.68		8,72,53,300.74					
GST									
Recovery of salary				9,20,803.00					
REFUND OF SALARY ADVANCE									
Advance from Parties									
Refund of Advance				1,82,197.00					
Others				25.06					
Festival Advance		20,000.00		1,00,000.00					
Advance to Staff		3,25,482.00							



THE INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2025

AMOUNT IN RUPEES

RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024	PAYMENTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
Asst. conf. on NBS for Sustain. & Climt. Charge									
Participation Fees (NBS)	40,000								
Sale of Literature	<u>8,525</u>	48,525							
					IV. EXPENDIURE ON FIXED ASSETS AND CAPITAL WIP				
					Library Books & CDs	980.00			
					Scientific Apparatus	<u>86,50,000.00</u>	86,50,980.00		
					V OTHER PAYMENTS				
					Security Deposit			7,82,675.00	
					Provident Fund Deduction	39,09,190.00			
					Duties & Taxes	73,49,273.00			
					Gr. Insurance Maturity Settlement	24,527.00			
					Tax Deducted at source	22,09,470.00			
					Laboratory Stores & Chemical			950.00	
					Outstanding Liabilities	14,42,788.00			
					Expenditure for Chemical purchase for FGJP				
					Testing & other testing			1,800.00	
					Recovery from staff salary	10,781.25			
					Advance to parties			24,20,400.00	
					Sundry Creditors	4,71,57,751.00		2,39,90,388.00	
					Festival Advance			3,75,000.00	
					Professional Tax	1,26,430.00			
					Exp. For Feasibility oil free				
					Other Advance to Staffs			61,55,420.00	
					Staff Salary Advance & general advances				
					Salary payable	2,22,66,974.00			
					Provident Fund Deduction (voluntary)	16,19,807.00			
					Honorarium				
							<u>8,61,16,991.25</u>		<u>3,37,26,633</u>



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RECEIPTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
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PAYMENTS	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2025	YEAR ENDED 31ST MARCH, 2024	YEAR ENDED 31ST MARCH, 2024
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TDS on Contractor		84,104	
TDS on Professionals		2,24,773	
TDS on salary		18,38,413	
Miscellaneous Exp. (refund of Testing charges			
Scientific Apparatus			
Institutional Membership Fees			
Liability for Gratuity			
Liability for Leave Encashment			
Refunded of Performance guarantee			
General & Tour Advance			
GST	37,78,073.26	1,06,87,966	
Adjusted of GST TDS, income tax deducted at source, etc.		35,16,213	
Prior period Adjustment			
Unpaid/Undischarge liability		8,67,750	
Sundry debtor	1,30,536.00	1,24,531	1,73,43,750
Deposits (Asset)	5,85,000.00		
Advance to Staff	74,97,907.00		
Pre paid expenses	2,195.00		
Festival Advance	2,55,000.00	1,22,48,711.26	





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