



**BALRAMPUR CHINI MILLS LIMITED**

CIN - L15421WB1975PLC030118  
Reg.Off. : FMC Fortuna, 2nd Floor, 234/3A, A. J. C. Bose Road, Kolkata - 700 020

P : 033 2287 4749

F : 033 2287 2887

E : bcml@bcml.in

W : www.chini.com

6th May, 2026

<b>National Stock Exchange of India Limited</b> Listing Department, 'Exchange Plaza', C/1, G Block, Bandra Kurla Complex, Bandra (E), Mumbai 400051.	<b>BSE Limited</b> The Corporate Relationship Department 1st Floor, New Trading Wing, Rotunda Building, Phiroze Jeejeebhoy Towers Dalal Street, Fort, Mumbai- 400001.
Symbol: <b>BALRAMCHIN</b>	Scrip Code: <b>500038</b>

Dear Sir/Madam,

**Subject: Press Release pursuant to Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015**

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed a copy of the Press Release being issued with respect to the Poly Lactic Acid (PLA) vertical of the Company, titled as below, which is self-explanatory:

**"New Study by Premier Government Institution Advancing Technical Education and Innovation Across the Plastics Value Chain Confirms PLA Microplastics Breaks Down Safely in Indian Soil, Unlike Conventional Plastics"**

The Press Release will also be available on the Company's website [www.chini.com](http://www.chini.com).

Thanking You.

Yours faithfully

**For Balrampur Chini Mills Limited**

**Manoj Agarwal**  
**Company Secretary & Compliance Officer**

**Encl: A/a**

## PRESS RELEASE

# New Study by Premier Government Institution Advancing Technical Education and Innovation Across the Plastics Value Chain Confirms PLA Microplastics Breaks Down Safely in Indian Soil, Unlike Conventional Plastics

*Sharp Decline in Microplastics from 287 to 18 Particles/kg Observed Within 180 Days*

**National, India, May 6<sup>th</sup>, 2026:** Plastic waste building up in our environment is one of the biggest challenges today. Conventional petroleum-based plastics do not break down fully—they gradually fragment into microplastics that persist in soil and harm ecosystems.

A new scientific study conducted by a premier academic institution under the Ministry of Chemicals & Fertilizers, Government of India, dedicated to higher and technical education across the plastics value chain operating through a network of centres across the country to support the evolving needs of the polymer and allied industries has revealed that Polylactic Acid (PLA), a compostable polymer, can degrade into safe natural substances in Indian soil conditions without leaving harmful microplastics behind supporting a circular lifestyle unlike conventional fossil based plastics

The study evaluated PLA microplastics in Indian soil over 30, 60, 90, 120 and 180 days, demonstrated substantial degradation, with particle counts reducing to just 18 particles per kilogram by day 180 indicating near-complete degradation under natural soil conditions. It also provides strong evidence that PLA not only breaks down over time but also integrates naturally into the soil ecosystem, offering a sustainable alternative to traditional plastics that persist for decades.

### **Key Findings:**

- **PLA breaks down naturally:** Over a period of 180 days, PLA microplastics reduced drastically from 287 particles/kg to just 18 particles/kg, showing near-complete degradation.
- **Conventional plastics persist:** Conventional plastics showed almost no reduction in microplastics, remaining in soil even after 6 months.
- **No toxic residue from PLA:** Heavy metal levels in degraded PLA remained well within safe international limits, making it safe for soil and agriculture.
- **Supports soil life:** Earthworms exposed to PLA showed healthy biological activity and were able to process it, unlike fossil-based plastics.

**Adding scientific perspective, S K Nayak, Former Director General of Central Institute of Petrochemicals Engineering & Technology (CIPET), stated, “The recent study findings highlight a clear difference in how materials behave in the environment. Conventional plastics resist degradation and persist as microplastics in soil. In contrast, PLA undergoes rapid breakdown under sunlight and soil conditions, followed by true biodegradation. Within 180 days, it is largely converted into simple, bio-assimilable compounds, as confirmed by scientific analysis and biological testing. This establishes that PLA does not contribute to long-term microplastic pollution and offers a scientifically validated sustainable alternative.”**

**Commenting on the findings, Vikram Bhanushali, President of the Indian Compostable Polymer Association (ICPA) said,** *“This study marks an important milestone in demonstrating that PLA and PLA-based materials can effectively biodegrade under Indian environmental conditions without leaving harmful residues. It reinforces the role of certified compostable solutions in applications where biodegradation is essential to prevent the accumulation of unrecoverable plastic waste. PLA and PLA-based materials offer a credible pathway to complement existing waste management systems by enabling safe return-to-nature outcomes in appropriate use cases.*

*Importantly, these findings provide robust scientific backing for India to further reinforce and evolve its policy framework by formally integrating truly biodegradable materials into its core environmental, circularity, and sustainability strategies. These science-backed strategies will strengthen responsible end-of-life pathways, encourage industry-wide investment, drive innovation, and accelerate the development of next-generation, earth-friendly packaging solutions, positioning India at the forefront of science-led sustainable materials management.”*

**Avantika Saraogi, Executive Director, Balrampur Chini Mills Ltd said,** *“This study represents a significant milestone for the Indian bioplastics sector. Traditionally, discussions were based on perceptions. However, today, there is scientific proof that materials like PLA can be recycled back into nature without creating any long-term environmental damage. In an era where India is gearing up for strict regulatory policies and environmental sustainability, the importance of utilizing biodegradable products would increase even further. The future of plastics should be focused not only on minimizing plastic waste but also developing materials that help in the recycling process within nature and that is the direction in which the industry is moving forward.”*

This report highlights the environmental benefits of PLA by studying how it degrades in real-world conditions, including sunlight exposure and soil. Tests on soil organisms confirm that PLA truly biodegrades, while traditional plastics continue to persist and pollute. The findings show that PLA can safely return to nature, making it a practical solution to reduce long-term plastic pollution, especially in agricultural and natural environments.

#### **About Balrampur Chini Mills Limited (CIN: L15421WB1975PLC030118)**

Balrampur Chini Mills Limited (BCML) is one of the largest integrated sugar companies in India. The allied businesses of the Company comprise distillery operations and cogeneration of power. The Company presently has ten sugar factories located in Uttar Pradesh (India) having an aggregate sugarcane crushing capacity of 80,000 TCD, distillery and co-generation operations of 1050 KLPD and 175.7 MW (Saleable) respectively. We are also in process of setting up India’s 1st Poly Lactic Acid (PLA) plant of 80,000 TPA capacity.

For more details, visit [chini.com](http://chini.com)

**Media Contacts:** Ms. Debamita Banerjee, DGM - Marketing & Corporate Communication, Balrampur  
Chini Mills Limited Tel: +91 9163332381

Ms. Neha Singh | Mr. Lokesh Sharma  
+91 9910638881 | +91 9582590886