CLEANTECH & CIRCULAR ECONOMY • EST. 2020

Bioron Solutions Private Limited

Turning Discarded Today into a Sustainable Tomorrow.

Bioron Solutions is a clean tech innovation company focused on converting difficult-to-recycle multi-stream solid waste (plastic, biomass, agricultural residue, and construction debris) into high-performance **GreenBuild Composite** tiles, prefab wall panels, and precast building blocks.

92% Waste Content Mix
M30+ Compressive Strength (N/mm²)
70% CO_2 Emission Reduction
10k sqft Initial Manufacturing Batch

OUR MISSION

Circular Innovation for Low-Carbon Construction

Multi-Stream Waste Utilization

We process multi-stream solid waste—combining plastic polymers, agricultural biomass, and C&D mineral waste into a homogeneous, high-strength structural binder matrix.

Superior Material Physics

Achieved M30+ concrete equivalent strength with zero water absorption, lightweight density, and zero cracking under extreme environmental stress.

Scalable Manufacturing

Modular, asset-light production model designed for linear throughput expansion aligned with municipal and industrial waste supply streams.

Institutional Master Timeline (2020 – 2026)

A clear chronological record showing Bioron's development from incorporation to pilot manufacturing and institutional engagement.

2020 Q4 ✓ **Completed** **Company Incorporation** Bioron Solutions Pvt. Ltd. was incorporated in West Bengal, establishing the legal entity and corporate foundation. Link - INC-22_Certificate of Shifting of Re…	
2021 Q1 ✓ **Completed** **Patent Showcase & Waste Research** Participated in ICIIP patent showcase, establishing early research exposure into waste chemistry and chemical doping matrices. Reference :	 
2022 Q1 ✓ **Completed** **MSME Idea Hackathon Award Winner** Selected as national award winner under MSME Idea Hackathon by Ministry of MSME, securing innovation grant support for prototype development. Reference : Documents regarding Scheme - MS… **Copy of Agreement Sudip Roy (1).pd**	
2022 Q2 ✓ **Completed**	

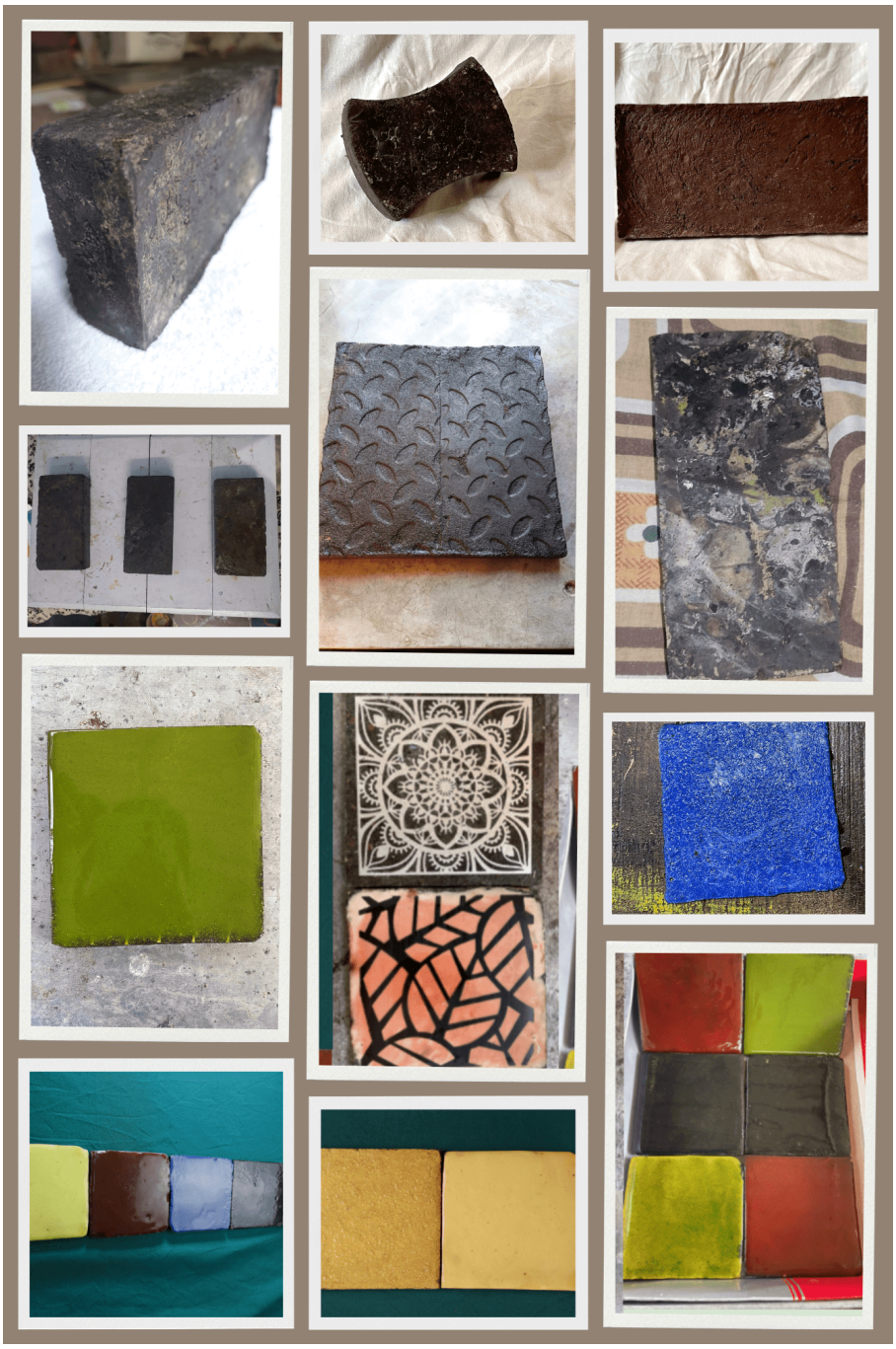
Startup India & DPIIT Registration Formal startup recognition under Department for Promotion of Industry and Internal Trade (DPIIT). Reference : DIPP99938_BIORON_SOLUTIONS…	
2022 Q3 - Q4 ✓ **Completed** **IISU Jaipur & AIC-JKLU Incubation & Seed Funding** Inducted into incubation support at IISU Jaipur and AIC-JKLU, securing Startup India Seed Fund Scheme (SISFS) grant support. Reference : Closure Report.pdf Copy of grant agreement AIC-JKLU… Copy of Copy of addendum amend…	
2023 Q1 - Q4 ✓ **Completed** **River Rangers Pilot, Fischer Group Connect & UILA Award** Executed River Rangers waste pilot, participated in Fischer Group global connect, and received the UILA Young Innovator Award. Reference : Fisher meeting.pdf Copy of 3.jpeg	
2024 Q2 - Q4 ✓ **Completed** **Selected for Startup Bihar Seed Funding & IIT KGP AFBIC Finalist**	

Selected for state seed funding under Startup Bihar; reached finalist stage at IIT KGP AFBIC (Raaftar Scheme). Reference : Copy of Bioron Recommendation.pdf	
2025 Q1 ✓ Completed **IIT Bombay Eureka Finals** **IIT KGP Empressario Finals** **Patent Registration** Reference : **ipr registration (1).pdf** **Testing Certificate.pdf**	
2025 Q2 - Q3 ✓ Completed **Greenr Sustainability Accelerator & IIM Lucknow Incubation** **Shortlisted by MSME to represent in India Pavilion at Circular Economy and 3R Forum for South Asia, held at Jaipur, Rajasthan** Shortlisted for Greenr Sustainability Accelerator and inducted into IIM Lucknow's incubator portfolio. Reference Copy of Greenr Sustainability Accel…	
2026 Q2 ◉ Ongoing **Adamas Workspace — Industry Waste-to-Value Lab** Development of a collaborative Industry Waste-to-Value Lab at Adamas ACIC	

Workspace for ongoing material validation. Reference : Copy of Adamas proposal (1).pdf Copy of Adamas Incubation Letter.pdf Proposal_Adamas University.pdf Copy of BIORON_MOU_Signed-Co…	
2026 Q2 △ **Prospective** **PepsiCo CSR & Waste Management Discussion** Exploration of potential strategic collaboration addressing plastic waste management with CSR funding possibility (up to ₹2 Cr). Reference : PepsiCo Proposal signed.pdf R&D Report for Ash Disposal Metho…	
2026 Q3 △ **Prospective** **Nadia DM & Kalyani Municipality PPP Engagement** District-level engagement regarding a Public-Private Partnership model for circular municipal waste management. Pilot Initiation in Kalyani	

Reference : The Circular Construction Hub – Tr… **Copy to DIC Nadia.pdf** **Copy to ADM Nadia (1).pdf** **Letter to Municipality.pdf**	

Prototyping Stage Images - Lab grade samples for Umbrella Compositions



PARTNERS & NETWORK

Institutional Ecosystem

Key institutions, incubators, government bodies, and network partners supporting Bioron's evolution.

Government & Public Bodies

- Ministry of MSME **Supported as MSME Champion**
- DPIIT / Startup India **Registered**
- Startup Bihar **Selected**
- Nadia DM / Kalyani Municipality **Under Discussion**

Incubation Ecosystems

- IISU Jaipur Incubator **Incubated**
- AIC-JKLU (Atal Innovation Mission) **Incubated & Funded**
- IIM Lucknow Incubator **Incubated**
- Adamas ACIC Workspace **Project Lab**
- IIT Kharagpur AFBIC **Finalist**

Accelerators & Industry

- Greenr Sustainability Accelerator **Participated**
- IRMA iSeed Bootcamp **Participated**
- Fischer Group **Global Connect**
- PepsiCo **Prospective CSR**