

On the occasion of World Environment Day

CII Symposium in Technologies Enabling Waste to Worth Transformation

Shaping a sustainable future through innovation and collaboration 06 June 2025: India Habitat Centre, New Delhi

Program Grid

Timings	Session Name
0830 - 1000 Hrs	Registration/ Tea & Coffee
1000 - 1100 Hrs	Inaugural Session
1100 - 1200 Hrs	Session1: Shaping a sustainable future through innovation and collaboration
1200 - 1300 Hrs	Session 2: Transforming Industrial Byproducts into Value through Sustainable Management Strategies
1300 - 1400 Hrs	Lunch Break
1400 - 1500 Hrs	Session 3: Greener Horizons and Strategic Paths for Sustainable Technological Advancement
1500 - 1600 Hrs	Session 4: Next-Gen Waste Transformation in emerging Waste Material Streams



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1100 - 1200 Hrs	Session 1: Shaping a sustainable future through innovation and collaboration
	The Confederation of Indian Industry (CII) has launched the National Circular Economy Framework (NCEF), a visionary roadmap designed to maximize resource efficiency, extend the lifespan of materials, and foster sustainable growth. Central to this initiative is addressing one of the most pressing waste challenges—plastic packaging.
	The session will highlight the transition toward sustainable alternatives, focusing on biodegradable materials, reusable systems, and design innovations that promote circularity. Key drivers of change will include the importance of robust regulatory frameworks, Extended Producer Responsibility (EPR), and corporate sustainability commitments. Through insightful case studies and models, the session will showcase effective strategies for resource recovery, reuse, and sustainable packaging solutions. The discussions will aim to develop actionable, scalable solutions that will tackle the growing global challenge of waste management, emphasizing the need for collaboration, innovation, and long-term commitment to sustainable practices.
1200 - 1300 Hrs	Session 2: Transforming Industrial Byproducts into Value through Sustainable Management Strategies
	The session will delve on transforming industrial byproducts into valuable resources through sustainable management strategies and presents a critical opportunity to reduce environmental impact while fostering economic growth. By reimagining waste as a resource, industries can implement circular economy principles that minimize landfill use, lower raw material consumption, and reduce greenhouse gas emissions. Techniques such as material recovery, energy conversion, and industrial symbiosis not only divert waste streams but also create new revenue sources and strengthen supply chain resilience.
	I ne session will delive on innovative and sustainable approaches to managing high-risk waste streams that pose significant environmental and health challenges and explore waste streams like used oil, end-of-life tyres (ELTs), and rubber waste can be effectively transformed into valuable resources through responsible handling, treatment, and recovery processes.
1400 - 1500 Hrs	Session 3: Greener Horizons and Strategic Paths for Sustainable Technological Advancement



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	Greener horizons and strategic paths for sustainable technological advancement are essential for shaping a future where innovation and environmental responsibility go hand in hand. As global challenges like waste management and resource depletion intensify, the development and deployment of eco-friendly technologies must be guided by thoughtful, long- term strategies. These strategies include integrating advanced green solutions, promoting responsible consumption, and investing in research that prioritizes low-waste materials and sustainable processes. By aligning technological progress with sustainability goals, industries and governments can drive inclusive economic development, minimize ecological impact, and ensure a healthier planet for future generations. The session will emphasize advancements in material recovery, reuse, and recycling, with successful case studies highlighting how technology, regulation, and collaboration can drive meaningful, scalable impact.
1500 - 1600 Hrs	Session 4: Next-Gen Waste Transformation in emerging Waste Material Streams Next-generation waste transformation in emerging waste material streams represents a pivotal shift toward a more sustainable and circular economy. As new industries and technologies generate unconventional waste—such as electronic, batteries, and solar panels—traditional disposal methods are no longer sufficient. Innovative approaches, including advanced recycling technologies, biotechnological conversion, and AI-driven waste sorting, are enabling the efficient recovery and repurposing of these complex materials. By unlocking the value hidden in these emerging waste streams, next-gen waste transformation not only reduces environmental harm but also creates new economic opportunities, driving the evolution of waste management into a high- tech, resource-efficient sector. The session also emphasizes the importance of enabling policies and robust infrastructure to support the widespread adoption of these innovations. A recurring theme is the need for collaborative approaches that bring together technology providers, industry stakeholders, and policymakers. The session will discuss on a collective call to invest in scalable, impactful solutions and to foster partnerships that can drive sustainable change at scale.