



Ministry of Housing
and Urban Affairs
Government of India



Ministry of Environment, Forest
and Climate Change



Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry

9TH INTERNATIONAL CONFERENCE ON **WASTE TO WORTH** **TECHNOLOGIES**

30TH NOV 2024: NEW DELHI

**Enabling Partnerships for Growth thru'
Sustainable Environs**

- A Retrospective



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कल्याण मंत्रालय
MINISTRY OF
AGRICULTURE AND
FARMERS WELFARE



इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
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Background:

The Confederation of Indian Industry (CII) in collaboration with the Office of Principal Scientific Adviser (PSA), and Waste to Wealth Mission, Government of India Ministries (Ministry of Housing & Urban Affairs & Ministry of Environment & Forest Climate Change) has organized the “9th edition of International Conference on Waste-to-Worth” with the theme - ‘Enabling Partnerships for Growth thru’ Sustainable Environs’ on 30 Nov 2024 at New Delhi.

The Conference aims to bring together global leaders, policymakers, industry experts, academics, and researchers to collaborate and exchange knowledge on sustainable waste management practices. The conference aims to facilitate discussions on innovative strategies, technologies, and policies that promote waste reduction, recycling, and circular economy principles to create a cleaner and healthier environment for future generations.

The Conference witnessed good participation from Indian industry, technology providers, investors and waste management companies both domestic & international on single platform to deliberate on techno-business solutions towards keeping environment clean in a sustainable manner and encourage the adoption of 4R practices.

Past Conference:



Quote by Dignitaries:



India, under the visionary leadership of PM Shri Narendra Modi Ji, is witnessing a transformational shift from the traditional linear model of "take, make, dispose" to an innovative, regenerative circular economy. This sustainable approach emphasizes reducing, reusing, and recycling materials to create lasting value.

- Shri Bhupender Yadav, Minister of Environment Forest & Climate Change, Government of India

Focus on turning adversity into opportunity through the principles of waste to worth. Waste scrap is an important medium to transform cities into smart cities and the National Circular Framework is a step developed by CII is a step in this direction.

- Shri Tokhan Sahu, Minister of State for Housing and Urban Affairs Government of India



The journey towards a circular economy begins with changing the way we perceive waste. Recycling not only reduces carbon emissions but also enhances material efficiency, contributing to a stronger, more resilient economy

- Mr Masood Mallick, Chairman, CII National Committee on Waste to Worth Technologies, CEO & Managing Director

To achieve a sustainable future, it's essential that we address waste management through technology, policy, and public-private partnerships. Together, we can reduce waste, foster resource efficiency, and build a circular economy for generations to come.

- Shri Baldeo Purushartha, Joint Secretary (ISD), Department of Economic Affairs, Government of India



From end-of-life vehicles to lithium-ion batteries, the journey towards formalizing recycling industries highlights the critical role of policy, innovation, and collaboration in overcoming bottlenecks and achieving resource efficiency at scale

- Mr. Amit Verma, IFS Director- Green Transition, Env. & Climate Change: Economics & Finance NITI Aayog, Govt. of India

We must shift our mindset from simply managing waste to maximizing its potential. Whether it's creating bio-plastic from agricultural residue or high-value automobile parts from recycled plastic, opportunities are tremendous for transformative solutions

- Prof Anil K Gupta, Chair, CII 4R Awards 2024, Indian Scholar- Innovation and Padma Shri



Focusing on the 5T's—testing, traceability, technology—builds trust within the system, ensuring that collaboration between concessionaires, OEMs, producers, and policy-makers becomes cohesive and data-driven for sustainable growth

- Mr Prashant Singh, Vice-Chairman, CII National Committee on Waste to Worth Technologies and Co-Founder & CEO, Blue Planet Environmental Solutions

Shri Bhupender Yadav, Hon'ble Minister of Environment, Forest & Climate Change, Government of India, graced the conference and he mentioned the transition from the linear model of "take, make, dispose" to an innovative,

regenerative circular economy. This sustainable approach emphasizes reducing, reusing, and recycling materials to create lasting value.

Shri Tokhan Sahu, Hon'ble Minister of State for Ministry of Housing and Urban Affairs stated that the Government is taking significant initiative and policies for fast tracking development of cities and states. Waste scrap is an important medium to transform cities into smart cities and the National Circular Framework is a step developed by CII is a step in this direction.

Conference was inaugurated by Shri Baldeo Purushartha, Joint Secretary (ISD), Department of Economic Affairs, Government of India, and Mr. Amit Verma, IFS, Director - Green Transition, Environment & Climate Change at NITI Aayog, Government of India.

The conference also featured insightful discussions from key figures such as Prof. Anil K. Gupta, Chair, CII 4R Awards 2024, Padma Shri, and Mr. Masood Mallick, Chair, CII National Committee on Waste to Worth Technologies and CEO of Re Sustainability. Concluding remarks given by Mr Prashant Singh, Vice-Chairman, CII National Committee on Waste to Worth Technologies and Co-Founder & CEO, Blue Planet Environmental Solutions.

Sectoral Sessions

This one-day conference brought together industry and government representatives from India, Japan, the UK, Finland, and Norway, who engaged in thought-provoking discussions on the circular economy, with a focus on reducing, reusing, and recycling throughout product lifecycles. Topics also covered global best practices in waste management, the need for a skilled workforce in recycling technologies, and policies like the Plastic Waste Management Rules and E-Waste Management Rules.



Suggested Focus sectors and Topics

Session 1: Key Enablers for Accelerating the Circular Economy Transition

- ❖ National Circular Economy Framework (NCEF) was released by CII as a roadmap for sustainable growth in India.
- ❖ NCEF Focus Areas- Waste management, innovative business models, and maximizing material and asset lifespan.
- ❖ Highlight actionable pathways for achieving a circular economy at scale through cross-border collaborations and advanced resource recovery.



Session 2: Building Global Technology and IP Partnerships for Future Ready Sustainable growth environ along with Circular Economics

- ❖ Global Technology & IP Partnerships are Key for scaling circular economy solutions and achieving sustainable growth.
- ❖ Fosters innovation, combines expertise, and develops cutting-edge solutions for global challenges.
- ❖ Partnerships drive economic viability, sustainable practices, and technological advancements.



Session 3: Global Trends and Practices in Waste Management

- ❖ Focus on national and international best practices, technological advancements, and successful case studies.
- ❖ Relevance of global trends to India's shift from linear to circular systems.
- ❖ Examine global successes and their adaptability to the Indian context for impactful outcomes.



Session 4: Innovative Solutions for Waste-to-Energy Technologies and Economic Opportunities in National and International Waste Management

- ❖ Focus on innovative solutions to convert waste into energy with minimal environmental impact.
- ❖ Scaling technologies to create sustainable, economically viable systems.
- ❖ Job creation, energy sales revenue, and cost savings from reduced landfill management.
- ❖ Opportunities to scale these technologies to address both energy needs and waste management challenges.



Session 5: Waste to Worth policy interventions - Role of good governance will focus on adopting sustainable Practices in Cities & Private Sector

- ❖ Discussion on India's Circular Economy efforts, targeted policies, innovative programs, and active participation in global dialogues.
- ❖ Extended Producer Responsibility (EPR) guidelines and commitment to circularity in B2O-G2O dialogues.
- ❖ Need for robust policy frameworks and market-based mechanisms to accelerate circular economy adoption.



Minister Yadav also recognized the winners of the 4R awards for their contributions to waste management in India. The event concluded with the release of the National Circular Economy Framework (NCEF) Edition 2 and the Compendium 2024, showcasing India's leading companies transforming waste into worth, along with the presentation of the 5th edition of the 4R awards.

Key Highlights

- 💡 Explore new opportunities between India & other countries for investments in Waste-to-Worth Technologies and collaborative research.
- 💡 Understand EPR Rules for research/ academic activities.
- 💡 Opportunity for technology transfers
- 💡 Transformative potential of waste-to-worth principles and called for innovative approaches to waste management
- 💡 Encourage companies in Transforming Waste to Worth

Key releases at the Conference: Publications

Three publications were released during the 9th International Conference on Waste to Worth Technologies are “National Circular Economy Framework (NCEF) Edition 2” focuses on the key milestone targets, the scale, and the timeline for sixteen sectors that align with the eleven focus areas identified by NITI Aayog. NCEF outlines actionable steps and collaborative opportunities for stakeholders to drive sector specific circular economy initiatives.

National Circular Economy Framework (NCEF) Edition 2



It outlines actionable steps and collaborative opportunities for stakeholders to drive sector specific circular economy initiatives.

White Paper on Top issues related to Waste to Worth Sector



A valuable resource for policymakers, industry leaders, researchers, and other stakeholders committed to advancing sustainable waste management practices in India

CII Compendium 2024



Showcasing 25 India's leading companies transforming waste into worth and 22 other notable success stories.

“White Paper on Top issues related to Waste to Worth Sector” will serve as a valuable resource for policymakers, industry leaders, researchers, and other stakeholders committed to advancing sustainable waste management practices in India and “CII Compendium 2024” showcasing India’s leading companies transforming waste into worth.



1 Hon. Minister for Environment & Climate **Sh. Bhupender Yadav** address at the conference

2 Release of NCEF (The National Circular Economy Framework) Edition 2



3 Release of **White Paper on Top issues related to Waste to Worth Sector**

4 Release of the **Compendium 2024** on India's Leading companies in Transforming Waste to Worth



The 5th edition of 4R (Reduce-Reuse-Recycle-Repair) Awards 2024

4R Awards were conferred to Twenty-one (21) outstanding organizations for their excellent work and to recognize and reward best practices of industry, start-ups, research institutes, Academic institutes, Research institutions and laboratories in order to set a benchmark of excellence in waste management for large number of industries to thrive to adopt these best practices.



The CII 4R Award winners in various categories have demonstrated exceptional contributions to sustainable waste management practices. Schindler India Put Ltd was recognized for its Excellence in 4R by Industry. In the category of Excellence in Managing Municipal Solid Waste by Private Firms, Blue Planet Environmental Solutions India Put Ltd and EverEnviro Resource Management Put Ltd were awarded as Joint Winners.

Gencrest Bio Products Put Ltd stood out for its Excellence in Developing Zero/Minimum Waste Yielding Products. The Excellence in Best Practices in Managing Plastic & Packaging Waste award went to Ganesh EcoPET Put Ltd. Inclusive Recycling Foundation - E[co]work received recognition for its Excellence in Innovative Solutions by Start-ups for Sustainable Waste Management.

In the category of Excellence in Innovative Solutions for Sustainable Waste Management by Research & Academic Institutes, Dr. Pankaj Pathak, an individual research contributor from SRM University, Andhra Pradesh, was honored for his impactful work. Each of these awardees has played a vital role in advancing sustainability in waste management.

Exhibition 2024: An initiative to promote Waste to Worth Technologies

The Conference 2024 witnessed the debut of an exciting new initiative focused on promoting "Waste to Worth" technologies. This groundbreaking exhibition brought together 7 innovative exhibitors who showcased their advanced technologies in 9 dedicated stalls. The initiative aims to highlight the potential of transforming waste materials into valuable resources, underscoring the importance of sustainability and innovation in tackling environmental challenges.



Top Social Media post and Coverage

PR Newswire

Summary Visibility Report (5 day report):

9th International Conference on Waste to Worth was organized by CII

English | Story Number: 1069263 | Clear Time: 02 Dec 2024 01:57 PM GMT

Total Pickup 776	Total Potential Audience 627,784,756
Release Views & Hits 5,211	Engagement Actions 5

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A few decades ago, industries followed the 'Take, Make, and Dispose' model. Today, with rising consumption and global challenges like climate change, the 'Reduce, Reuse, Recycle' approach have become the core principles of a sustainable and circular economy — Shri Bhupender Yadav Hon'ble Minister of Environment, Forests & Climate Change, Government of India

Confederation of Indian Industry CII Technology CIIEvents Dr Ashish Mohan Namita Kapoor Bahl Gargi Sharma Nabanita Mukherjee Khushbu Singh Dr. Rahul Katna Nitish Das Akash Sharma

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Key attractions of the Conference

- Conference with key Industry, waste Experts
- 5th Edition of CII 4R (Reduce-Reuse-Recycle-Repair) Awards
- Release of NCEF (The National Circular Economy Framework) Edition 2
- Release of White Paper on Top issues related to Waste to Worth Sector
- Release of the compendium 2024 on India's Leading companies in Transforming Waste to Worth
- Exhibition to promote new technologies in Waste to Worth

Participation

300+ Delegates

35+ Speaker

9 Exhibitors

20+ Awards

Multiple Hues of Waste to Worth Conference





Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, with around 9,000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 365,000 enterprises from 294 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian Industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness, and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Through its dedicated Centres of Excellence and Industry competitiveness initiatives, promotion of innovation and technology adoption, and partnerships for sustainability, CII plays a transformative part in shaping the future of the nation. Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

For 2024-25, CII has identified "Globally Competitive India: Partnerships for Sustainable and Inclusive Growth" as its Theme, prioritizing 5 key pillars. During the year, it would align its initiatives and activities to facilitate strategic actions for driving India's global competitiveness and growth through a robust and resilient Indian industry.

With 70 offices, including 12 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with about 300 counterpart organizations in almost 100 countries, CII serves as a reference point for Indian industry and the international business community.

Confederation of Indian Industry

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