

Supported by



Organized by



CII
Confederation of Indian Industry
125 Years - Since 1885

In association with



Partner Country



International Conference on Waste to Worth

'Achieving Circular economy through Innovative 3R techniques'

30 October 2020 | 1000 Hrs- 1730 Hrs | Over Virtual Platform

15 Days Virtual Exhibition: 30 Oct 2020 – 15 November 2020

[Inaugural Session]

1030 Hrs- 1145 Hrs.

| | | |
|-----------------|--|--|
| 1030 – 1035 Hrs | Welcome & Opening Address | P. Palaniappan Chairman, CII Task Force on Waste to Worth CEO, Mahindra Waste to Energy Solutions Ltd |
| 1035 – 1040 Hrs | Address | Chandrajit Banerjee Director General Confederation of Indian Industry |
| 1040 – 1050 Hrs | Address | Neeraj Sharma (Dr.) Secretary, Technology Development Board Government of India |
| 1050- 1100 Hrs | Address | Anil Kakodkar (Dr.) Chairman, Grand Jury, CII 3R Awards Chairman, Rajiv Gandhi Science & Technology Commission Former Chairman, Atomic Energy Commission |
| 1100 – 1110 Hrs | Special Address | Martina Tauberová* Deputy Minister, EU Affairs and Foreign Trade Ministry of Industry and Trade The Czech Republic |
| 1110 – 1120 Hrs | Special Address | Rameshwar Prasad Gupta Secretary Ministry of Environment, Forest & Climate Change Government of India |
| 1120– 1125 Hrs | Announcement of winners of CII 3R (Reduce, Reuse, Recycle) Awards and Release the CII 3R Awards compendium and Compendium of Companies- Waste Management Technologies | |
| 1125 – 1140 Hrs | Inaugural Address | K. VijayRaghavan (Prof.) Principal Scientific Advisor (PSA) Government of India |
| 1140 – 1145 Hrs | Closing Remarks | Hrishit Shroff Vice- Chair, CII Task Force on Waste to Worth Executive Director, Excel Industries Ltd |

Supported by



Organized by



CII
Confederation of Indian Industry
125 Years - Since 1885

In association with



Partner Country



Embassy of the Czech Republic
in New Delhi



International Conference on Waste to Worth

'Achieving Circular economy through Innovative 3R techniques'

30 October 2020 | 1000 Hrs- 1730 Hrs | Over Virtual Platform

15 Days Virtual Exhibition: 30 Oct 2020 – 15 November 2020

[Session – 1]

1200 – 1315 Hrs Glocal Models and Best Practices for Waste Management

Urban India generates 62 million tons (MMT) of waste annually with an average annual growth rate of 4%. Out of this, 55 MMT is municipal solid waste and 5.6 MMT is plastic waste (Source: CPCB). One of the major challenges lies to manage these wastes not only in a boost of the quantity of wastes but also in the increasing complexity of handling the wastes' streams due to the diversity and composition of the waste generated by the urban India. Therefore, it is imperative to minimize the waste going to landfills and water stream through efficient recycling, processing and scientific management methods as well.

The session would focus on existing waste management systems, models, best practices across the country and World to address the issues of management of waste in a holistic way, suggest best possible technological solutions to mitigate the solid waste problem, financial models, government supports etc

| | | |
|-----------------|--|---|
| 1200 – 1205 Hrs | Opening Remarks by Chair | Masood Mallick Joint Managing Director Ramky Enviro Engineers Limited |
| 1205 – 1215 Hrs | Best Practices in Waste Management in Abu Dhabi and Tangiers | Rabih Jawad Vice-President Operations AVERDA, Dubai |
| 1215 – 1225 Hrs | Decentralized Waste Management for maximum resource recovery and decent livelihood - Case studies from small cities and towns in India | Wilma Rodrigues CEO Saahas Zero Waste |
| 1225 – 1235 Hrs | Best Practices from Western World in Waste and Wastewater management | Osten Ekengren Senior Advisor IVL Swedish Environmental Research Institute, Sweden |
| 1235 – 1245 Hrs | How and what need to be done for technologies to be successful in India | Yashas Bhand Director, Organic Recycling Director, Blue Planet Yasasu. |
| 1245 – 1255 Hrs | Waste industry in The Czech Republic: The Start of Industry 5.0 Age | Michael Rada INDUSTRY 5.0 Founder and Leader The Czech Republic |
| 1255 – 1305 Hrs | What can be learnt from countries (a.i. China) which were successfully in developing their WtE infrastructure | Nicolas Maertens Business Development Manager Keppel Seghers |
| 1305 – 1310 Hrs | Closing Remarks by Chair | |

Supported by



Organized by



CII
Confederation of Indian Industry
125 Years - Since 1885

In association with



Partner Country



International Conference on Waste to Worth

'Achieving Circular economy through Innovative 3R techniques'

30 October 2020 | 1000 Hrs- 1730 Hrs | Over Virtual Platform

15 Days Virtual Exhibition: 30 Oct 2020 – 15 November 2020

[Session – 2]

1330 – 1430 Hrs

Leveraging Emerging Technologies for Waste Management- Towards Circular Economy

India generates 62 million tons of waste annually. Management of waste primarily includes collection, transportation, segregation, recycling and scientific disposal (source: CPCB). To manage wastes, many developed countries are increasingly adopting automation and emerging and innovative technologies. Rise in these technologies has led to the development of devices, equipment and processes that help in managing and recycling of waste. Through these emerging and innovative technologies, the waste management industry across the world is finding newer ways to manage the wastes in faster, easier and more cost-efficient.

Key Points to be discussed

- How emerging and innovative technologies disrupt the Waste Management Industry?
- How technological interventions might help improve the situation?
- Future ahead: AI, Robotics and other technologies and Circular Economy
- Role of ICT in mapping waste consumption, data drive in decision making, automated & scientific waste segregation, increasing the recycling efficiency, IT for waste traceability and GPS tracking of waste vehicles & Public bins- Real time data and maps etc.
- How innovation and emerging technology in the digital age will lead the way of waste management and resource management.
- How Block chain technology can help in tractability, Accountability and transparency of recyclable material in Circular Economy.
- IoT for landfill management and monitoring and improved Telematics for smart fleet organization and management

Moderator

Opening Remarks by

P. Bineesha

Member, Technology Development Board, Ministry of Science & Technology
Executive Director, IIWM

Panelists

Abhay Deshpande

Founder & Director
Recykal

Jacob Rognhaug

Sr VP and Head Circular Economy Asia
TOMRA

Pavel Zedníček

Project Manager & International Relations
Institute of Circular Economy, The Czech Republic

Sandip Singh

CEO
Ishitva Robotics

Kamal Raj

Sr. Associate Manager- Green Initiatives
Infosys

Rashid K

Co-Founder & Director
Genrobotic Innovations

Narendra Joshi

Director
Coexicon India

Supported by



Organized by



CII
Confederation of Indian Industry
125 Years - Since 1885

In association with



Partner Country



International Conference on Waste to Worth

'Achieving Circular economy through Innovative 3R techniques'

30 October 2020 | 1000 Hrs- 1730 Hrs | Over Virtual Platform

15 Days Virtual Exhibition: 30 Oct 2020 – 15 November 2020

[Session – 3]

1445 – 1600 Hrs **Waste as Alternative Fuel and Raw Materials- Building circular economy**

Utilizing waste materials as value added products or alternative resources (fuels or raw materials) is feasible and needs to be practiced. This helps in facilitating waste management in a sustainable manner and also building circular economy. To rethink & change the mindset of our perception of waste and start finding value in the waste that can become new products in the market, the panel will discuss on following points:

The session would focus

- New products from wastes and circular economy
- Utilizing MSW, agricultural and other wastes into bio-CNG for Transportation industry
- Utilizing wastes as Alternative fuels and raw materials in cement manufacture
- Converting hazardous wastes into Alternative fuels and raw materials for use in cement manufacture
- Conversion of Construction & Demolition waste into aggregates for use in construction industry
- Use of MLP in manufacturing value added products and produce oil

Moderator

Opening Remarks by

Uhas Parlikar

Global Consultant- Waste Management, Circular Economy, Policy Advocacy & Co-processing

Panelists

DN Singh (Prof)

Institute Chair Professor, Dept. of Civil Engg.
Indian Institute of Technology, Bombay

Shantanu Gupta

Chief General Manager I/C (Alternate Energy & Sustainable Development)
Indian Oil Corporation Limited

Moumita Chakraborty

Head
Geocycle India

Priyesh Bhatti

CEO
Gujarat Environment Protection & Infrastructure Ltd.

Deepak Agarwal

Sr. Vice President
IL&FS

Rahul V Podaar

Managing Director
The Shakti Plastic Industries

Medha Tadpatrikar (Dr.)

Director
Rudra Environmental Solution India Ltd

Supported by



Organized by



CII
Confederation of Indian Industry
125 Years - Since 1885

In association with



Partner Country



Embassy of the Czech Republic
in New Delhi



International Conference on Waste to Worth

'Achieving Circular economy through Innovative 3R techniques'

30 October 2020 | 1000 Hrs- 1730 Hrs | Over Virtual Platform

15 Days Virtual Exhibition: 30 Oct 2020 – 15 November 2020

[Session – 4]

1615 – 1730 Hrs

Waste Management Ecosystem in India

(Rules, Policies, Challenges and Opportunities in Waste Management Sector)

The session would engage the key stakeholders in the ecosystem such as Government authorities, policy makers, waste management companies, recyclers to discuss on following:

- Current Rules, Policies, Regulatory reforms and gaps on for MSW, plastics, EPR
- Current challenges for waste management companies including various economic and financial challenges
- Bankability of waste management Projects in India
- Government initiatives encouraging the citizen and cities to manage waste.
- New opportunities in the market
- How waste management create jobs, livelihood opportunities, uplifting rag pickers or waste workers .

Moderator

Saurabh Shah
Vice President
Excel Industries Ltd

Special Address

V.K Chaurasia (Dr.)
Sr Advisor, CPHEEO
Ministry of Housing and Urban Affairs, Government of India

Panelist

Suresh Reg (Col.)
Executive Director
Mailhem Ikos

Umesh Chopra
CEO
JITF Urban Infrastructure Services Ltd.

Jugesh Jagga
Director Finance
Ecogreen Energy

Sandeep Patel
CEO
NEPRA

Jabir Karat
Founder
Greenworms Waste Management

Vinay Maheshwari
President- Corporate Projects & Environment Management
JBM Group