

Supported by

In association with

Organized by

Guest Country



सत्यमेव जयते
Ministry of Urban Development
Government of India



प्रकृति रक्षति रक्षितः
Nature Protects if She is Protected
Ministry of Environment, Forest
and Climate Change



सत्यमेव जयते
Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 1 - 16 November 2021

1000 Hrs	Virtual Platform Opens
1130 – 1230 Hrs	Inaugural Session
1245 – 1400 Hrs	Models & Best Practices for Waste Management- India & Abroad
1415 – 1545 Hrs	Plastic waste recycling, EPR and Beyond
1600 – 1730 Hrs	India E-waste landscape: last decade and future

DAY 2 - 17 November 2021

1130 – 1245 Hrs	Innovative solutions by Start-ups for waste management
1300 – 1415 Hrs	Sustainable Management of SCF/ RDF from MSW in cement kilns and waste- to- energy plants
1430– 1600 Hrs	Untapped Potential – Challenges and Opportunities in integrated waste management

Supported by

In association with

Organized by

Guest Country



Ministry of Urban Development
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



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 1- 16 November 2021; Inaugural Session

1130 – 1135 Hrs	Welcome Address	P. Palaniappan Chairman CII Task Force on Waste to Worth
1135 – 1140 Hrs	Industry Perspective on Waste Management	Prashant Singh CEO Blue Planet Environment
1140 – 1145 Hrs	Address	Anil Kakodkar (Dr.) Chairman, Grand Jury, CII 3R Awards Chancellor, Homi Bhabha National Institute, Chairman, Rajiv Gandhi Science & Technology Commission
1145 – 1155 Hrs	Special Address	Adam Burakowski The Ambassador Extraordinary & Plenipotentiary of the Republic of Poland to India
1155 – 1205 Hrs	Special Address	Naresh Pal Gangwar Joint Secretary The Ministry of Environment, Forest and Climate Change, Government of India
1205 – 1210 Hrs	Announcement of winners of CII 3R Awards 2021 and Release of 3R Awards compedium	
1210 – 1225 Hrs	Inaugural Address	K VijayRaghvan (Prof.) Principal Scientific Advisor (PSA) Government of India
1225 – 1230 Hrs	Closing Remarks & Vote of Thanks	Hrishit Shroff Co- Chairman CII Task Force on Waste to Worth

Supported by

In association with

Organized by

Guest Country



सत्यमेव जयते
Ministry of Urban Development
Government of India



प्रकृति रक्षति रक्षितः
Nature Protects if She is Protected
Ministry of Environment, Forest
and Climate Change



सत्यमेव जयते
Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 1- 16 November 2021; SESSION 1

1245 – 1400 Hrs Models & Best Practices for Waste Management- India & Abroad

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 modern society. 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

1245 – 1250 Hrs	Opening Remarks and moderated by Session Chairman	
	Raghu C Rajappa Honorary Consul of Republic of Poland in Bengaluru Director, Ekolog	
1250 – 1400 Hrs (Presentation 8-10 mins)	<i>Landfill Mining at Atladara, Vadodara; Ajithsinghnagar, Vijayawada and Vairapalayam, Erode</i>	Nagesh Prabhu Co Founder and Director Zigma Global Environ Solution
	<i>Best Practices and Lessons for Waste Management- India & Poland</i>	Przemysław Tomala CEO Fostech
	<i>Waste Management in Mahindra World city & A look at the Challenges and Opportunities in India</i>	Sunil Kurain Head (O&M) and Sustainability Mahindra World City
	<i>Waste to Energy (WtE) in the circular society</i>	Evert Lichtenbelt CEO Harvest Waste
	<i>Best Practises in Water and Wastewater Management Based on PROTE Technologies</i>	Jerzy Slusarczyk CEO PROTE
	<i>The transition and improvement of Solid Waste Management in Japan</i>	Masaya Kawamoto Assistant Manager- Environmental Plant International Operations Division Takuma Co. Ltd

1355 – 1400 Hrs Closing Remarks by Session Chair

Supported by

In association with

Organized by

Guest Country



Ministry of Urban Development
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



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 1- 16 November 2021; SESSION 2

1415 – 1545 Hrs Plastic Recycling, EPR and Beyond

Plastics and packaging waste have emerged as serious menace across the globe. India is among the top countries in the world, in terms of plastics and packaging waste generation. Given the rise in Plastics and packaging waste and its impact on environment, the Indian Government has taken conscious steps highlighting the urgent need to attend and manage these wastes by introducing Extended Producer Responsibility (EPR) in Plastic Waste Management Rules 2016. India has also seen quick implementation as well as addition of stakeholders in the value chain for the management of these waste.

The panel will share their insights on the opportunities and challenges in EPR Compliance by Brands, PROs, and Recyclers; challenges related to governance, implementation; global lessons on EPR, role of ULBs in managing plastic waste and way forward.

1415 – 1420 Hrs

Opening Remarks
and moderated by

Saurabh Shah
Managing Director
Landbell Group

1420 – 1545 Hrs

Key Panelists

Juhi Gupta
Sustainability Head
PepsiCo India.

Tusar Pattnaik
Corporate Head- EHS and Plastic Waste Management
Dabur India Limited

Atul Sud (Dr.)
Director Legal, Regulatory & Government Affairs
Perfetti Van Melle India Pvt. Ltd.

Sandeep Patel
CEO
NEPRA

Rahul Poddar
Managing Director
The Shakti Plastics

Tejashree Joshi
Associate GM (Head – Environment & Sustainability)
Godrej & Boyce Mfg Co Ltd

Amrendra Kumar
VP Recycling
Ramky Reclamation And Recycling Ltd

Supported by

In association with

Organized by

Guest Country



सत्यमेव जयते
Ministry of Urban Development
Government of India



प्रकृति रक्षति रक्षितः
Nature Protects if She is Protected
Ministry of Environment, Forest
and Climate Change



सत्यमेव जयते
Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 1- 16 November 2021; SESSION 3

1600 – 1730 Hrs India E-waste landscape: last decade and future

India is among the top 03 e-waste producing countries in the world with estimated generation of about 3 million tonnes (MT) of e-waste annually. Like some developing countries, e-waste management in India is dominated by the informal sector with estimates of maximum of the waste being processed in this sector. Unscientific practices in the processing of e-waste are associated with several environmental and health externalities. Given the rise in e-waste, unscientific practices and poor environmental health, India has taken conscious steps highlighting the urgent need to attend and manage these wastes by introducing EPR in E-waste Management Rules 2016. Some concrete steps have already been directed by both industry and waste management companies for managing electrical or electronic wastes.

The session would focus on status of the e-waste management ecosystem; challenges that the sector faces and potential paths for improvements; different aspects of e-waste related to technology, finance, EPR policies and regulations, formal and informal sector, business and PROs.

1600 – 1605 Hrs	Opening Remarks and moderated by	Ekta Narain Co-founder & Director Recykai
1605 – 1615 Hrs	Special Address	Dr. Sandip Chatterjee Director, R&D Ministry of Electronics and Information Technology, GoI
1615 – 1715 Hrs	Key Panelists (Panel Discussion)	Raman Sharma Managing Director Exigo Recycling Pvt Ltd Jeevesh Kumar CEO Greenscape Eco Management Pvt Ltd Ravi Neeladri CEO Cerebra Integrated Technologies Manjri Gopalan Head - Regulatory Policy HPE Anil Chowdhary Managing Director Greenwaves

Supported by

In association with

Organized by

Guest Country



सत्यमेव जयते
Ministry of Urban Development
Government of India



प्रकृति रक्षति रक्षितः
Nature Protects if She is Protected
Ministry of Environment, Forest
and Climate Change



सत्यमेव जयते
Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 2 - 17 November 2021; SESSION 1

1130 – 1245 Hrs Innovative solutions by Start-ups for Sustainable Waste Management

Waste management has been an issue of concern with an increasing number of landfills; rising wastes into drains or seas; septic tanks overflowing with waste and may more. To address this menace, many entrepreneurs and start-ups are coming up with the technologies or innovative solutions. Over the last 06 years, many innovations and solutions have been practised or technologies have been developed by start-ups to manage waste. Moreover, like many other developed countries, entrepreneurs or start-ups are receiving central funding for waste management.

In this session, start-ups would share their innovative solutions or technologies for sustainable waste management; and way forward to develop the ecosystem for start-ups in the waste management sector in India & abroad.

1130 – 1135 Hrs	Opening Remarks and moderated by Session Chair	Bineesha P Member- ECC, The Office of the PSA, Gol Executive Director, IIWM
1135 – 1240 Hrs (Presentation 8-10 mins)	<i>Transforming Sanitation Industry using Robotics and Automation</i>	Rashid K Co-Founder & Director Genrobotic Innovations
	<i>Industry 4.0 Automation for Waste Management in India</i>	Jitesh Dadlani Founder & CTO Ishitva Robotic Systems Pvt Ltd
	<i>HydroThermal Upgrading for Plastic Waste: HydroPRS™ Process, Global Scaling and Partnerships</i>	Oliver Borek Chief Commercial Officer Mura Technology
	<i>Resource Recovery from Septage and Wastewater treatment by Vertical flow constructed wetlands.</i>	Srikanth Mutnuri (Prof.) Founder BacTreat Environmental Solutions
	<i>Arresting Ocean Bound Plastics - An Indian Success Story</i>	D C Sekhar Founder Director AlphaMERS Ltd
	<i>Decentralized Waste Treatment Solution at Source and Options</i>	Ashok Poddar Founder Ganesh Engineering

1240 – 1245 Hrs Closing remarks by session chair

Supported by

In association with

Organized by

Guest Country



Ministry of Urban Development
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



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 2 - 17 November 2021; SESSION 2

1300 – 1415 Hrs Sustainable Management of SCF/ RDF from MSW in cement kilns and waste- to- energy plants

Cement kiln and waste to energy plants offers a sustainable solution for the management of the non-recyclable segregated combustible fraction (SCF) from MSW. The same is feasible after converting the same into cement grade RDF (Grade I or Grade II or Grade III). A large number of cement companies are receiving SCF in their plants currently and converting the same into cement grade RDF and co-processing and about 0.5 Million TPA of SCF out of about 8-10 Million TPA generated in the country. Similarly, SCF and RDF are utilized in waste to energy plants.

There is need to discuss the strategies for getting larger quantum of SCF converted into cement grade RDF, co -processed in cement kilns and used in waste to energy plants. This session will deliberate this possibility as to how the same can be achieved by assessing the achieved successes and deliberating the challenges encountered.

1300 – 1305 Hrs	Opening Remarks and moderated by	Ulhas Parlikar Global Consultant- Waste Management, Circular Economy, Policy Advocacy, AFR & Co-processing
1305 – 1415 Hrs	Key Panelists (Panel Discussion)	Masood Mallick Joint Managing Director Ramky Enviro Saurabh Palansia Executive Director Dalmia Cement Raju Goel CTO Ultratech Anirudh Dhani Unit Head J.K Cement Rajpal Jangra Head of Design & Engineering Averda Bashir Shirazi Chief Operation Officer EverEnviro Resource Management Pvt. Ltd.

Supported by

In association with

Organized by

Guest Country



सत्यमेव जयते
Ministry of Urban Development
Government of India



प्रकृति रक्षति रक्षितः
Nature Protects if She is Protected
Ministry of Environment, Forest
and Climate Change



सत्यमेव जयते
Office of the Principal Scientific Adviser
to the Government of India



Confederation of Indian Industry



Embassy
of the Republic of Poland
in New Delhi

International Conference on Waste to Worth
Moving towards a Circular Economy through innovative 3R approaches
16-17 November | 20 Days Virtual Exhibition

DAY 2 - 17 November 2021; SESSION 3

1430 – 1600 Hrs Untapped Potential – Challenges and Opportunities in integrated/ decentralized waste management in India

The waste management companies in India have been offering end -to- end solutions to deal with the issue of waste management. Solutions that convert wastes back to value added products such as biogas, Bio-CNG, compost, electricity etc, and promote the creation of circular economies have gained momentum in the sector over decade. Furthermore, with the introduction of Swatch Bharat mission and renewed interest in ESG investing trends, funding from sovereign funds and private equity also seems to be gravitating towards the sector. However, there is still a need to streamline and integrate the entire waste management value chain to address the growing menace of waste, adopt the better technologies, boost environmental and financial efficiencies.

- What are the opportunities and challenges associated with management of waste in India.
- Lack in implementation of the Solid Waste Rules 2016.
- How can solutions providers better leverage existing and upcoming technologies in the waste management space?
- What steps can be taken to increase the financial viability of the sector to make it lucrative for funding?
- How should financial issues be approached to ensure maximum cost-to-benefit ratios for stakeholders in the sector?

1430 – 1435 Hrs	Opening Remarks and moderated by	Wilma Rodrigues CEO Saahas Zero Waste
1435 – 1445 Hrs	Special Address	Shailja Gupta (Dr.) Sr Advisor The office of PSA, Government of India
1445 – 1600 Hrs	Key Panelists (Panel Discussion)	Suresh Rege (Col.) Executive Director Mailhem Ikos Vinay Maheshwari President- Corporate Projects & Environment Management JBM Group Arjuna Reddy COO Ecogreen Energy Pankaj Tanwar VP-Technical Organic Recycling Varun Dilip Boralkar Head-Commercial Geocycle India Sanjay Jalali Group EVP & Operations Head Blue Planet Environment Solutions Marek Zaborowski Team Leader and Key Expert EU-ISA