



RECEIC Awards on Resource Efficiency & Circular Economy



Circular Business Models- Emerging

GRAND JURY PRESENTATION ROUND

10th MARCH 2025

Agenda



**ABOUT THE
INITIATIVE**



ACCOMPLISHMENTS



**WAY FORWARD
PLAN**

About the Initiative

Problem Statement

Plastic Waste Management in India

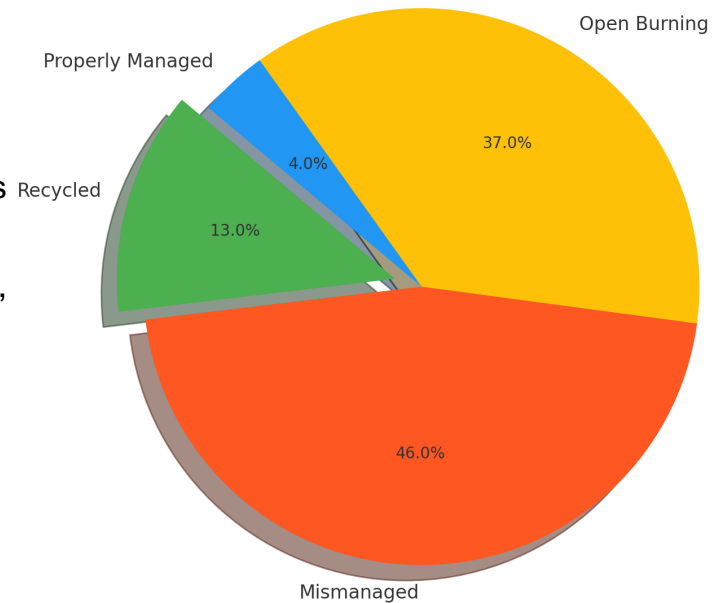
Key Statistics

- Total Plastic Waste Generation:** Approximately **15.5 million tons annually**
- Recycling Rate:** Only **13%** of plastic waste is recycled.
- Mismanaged Plastic Waste:** Approximately **46%** of plastic waste is mismanaged, leading to environmental pollution
- Open Burning:** Annually, **5.8 million tons** of plastic waste are openly burned, contributing to air pollution.

Properly Managed (e.g., landfilled or otherwise safely disposed): Remaining percentage

Note: The sum of these percentages may not equal 100% due to overlapping categories and data reporting differences.

Plastic Waste Management in India





About the Initiative



- **Solution –**

1. **Innovations @ USP:** Our circular business models involves appointment of Waste aggregators at ground level who sort and regrind Plastic waste of different types at place of origin in various states leading to sorted monomeric waste which can be used for high quality PCR grades for industrial use and fulfill manufacturers EPR mandates of using recycled content matching their product requirements for blending with prime materials making their products green and sustainable.
2. **Approach & Methodology:** Our 6 stage hot washing line, with metal detection facility ,high quality recycling machines and qualified staff where all incoming scrap are tested for quality and impurities along with batch wise Stringent Lab Testing's by CIPET qualified professionals doing 24*7 testing of final products in our In house laboratory for Technical data specifications according to the ASTM methods which are acceptable in all the industries.
3. **Stakeholders involved :**Scrap aggregators, Producers,Importers and Brand Owners, Sustainability partners & Regulatory bodies.



About the Initiative



4. Investment made:

Total 20 Cr in fixed assets of land building and infrastructure for 10 extruders, 2 state of the art washing lines, fully equipped laboratory, water management system and other ancillary equipment's along with additional 10 Cr of working capital.



September 3, 20XX



About the Initiative

- **Leadership involvement & support** : Strong leadership commitment by our Managing Director Mr. Sakshat Jain & Founder Mr. S.K Jain together having 30 years of experience in Plastic Trade Industry with vision to create sustainable earth where nothing goes to waste and promote circularity and sustainability for better and clean living.
- **Maturity level** : As new and emerging trends are changing landscape of Indian Plastic recycling Industry with new rules & regulations ,recycling technologies, we consider ourselves as evolved and aligned with current Industry trends ready to embrace and Invest in new technologies to become leader in Polyolefin Recycling Industry in India. Having started eight years ago, Each year, we continuously learn, innovate, and develop new technologies to drive our growth efficiently.
- **Geographical coverage:** We currently operate in India, serving companies across the country. In the future, we aim to expand our sustainable plastic recycling efforts to international markets.



Accomplishments



Briefly cover following

- ROI/ Benefits derived (in measurable terms)
 1. **Quality** : High purity recycled granules can replace Prime material by 30-50% thus making Green, sustainable and cost effective alternate without any adverse impact on the final product.
 2. **Quantitative impact** : Processing around 1200 tons / month that is 1.5 crores kgs of waste per year not going to the landfills and it saves 30000 tons of CO2 emissions , equivalent to removing 10-15k cars from the road or the carbon absorption of 1-2 million trees per year.
 3. **Economic** : Cost effective alternate to virgin raw material.
 4. **Environmental** : Reducing the use of ground water by using treated water from our ETP plant , Reduce landfill waste by promoting circular economy principle that make, use and recycle, lowering the carbon foot print of the Producers.
 5. **Social** :We support our stakeholders, including waste aggregators, by providing training and fair remuneration for the waste they supply to us. Additionally, we actively conduct sustainability drives to reduce plastic waste in our vicinity, collaborating with local authorities. We also support Material Recovery Facilities (MRFs) across India and source scrap from them to strengthen their initiatives.



Accomplishments



- Awards/recognition –

1. Indian council for circular economy – Awarded us for our efforts in Plastic recycling at HCEF 2023 held at Dehradun.
2. BW Awards 2024 our Director Mr. Sakshat Jain awarded for Under 40 leader in plastic recycling.
3. Brand impact award 2023-2024 from outstanding professional achievements towards nation building.
4. Modern plastic awards 2024 held at Mumbai for Best recycling company in MSME category.
5. Finalist at the 1st Plastic recycling show Mumbai in 2024.
6. Recognition from the Indian council for circular economy for completing Linear to circular economy course.



Way Forward Plan



- **Scalability of Solution** : By promoting social campaign to educate people at the ground level of segregating and sorting of waste at home , collaboration with the govt agencies to promote these practices for prevention of waste going to landfill and Expansion of recycling facility with addition of advanced technology & enhancing polymers quality and production.
- **Availability of leadership support** : Commitment from our management for sustainable growth & investment in R&D for process improvements
- **Stakeholders engagement plan** :
 1. strengthening partnerships with producers and brand owners & Governing authorities
 2. Awareness programs on sustainable plastic recycling as we actively participate and sponsor such events, like GCPRS 2024 we were silver sponsors there and these programs engages all the stakeholders in one place.
 3. Collaborations & supplying to brands like **Reliance** , **Ecom express**, **Kingfa Technologies** , **Berger paints** & other major brands Providing them with sustainable solutions so that they rely more on recycled polymers and promote circular economy.



THANK YOU

For appreciating and considering efforts of **Adiva Polymers Limited** In the field of plastic recycling industry and our circular business model.