

CASE STUDY

Energy

Understanding India's plastic circular economy: Waste management and recycling opportunities



About the client

Our client is a British multinational energy and petrochemical company



Founded in
1907



Assets
USD 443,024 Mn



Revenue
USD 381,314 Mn



Employees
93,000

Challenge and objective

To provide a comprehensive understanding of the waste management landscape in India, our team conducted the following activities:



Waste assessment

Conducted waste assessment in 11 Indian cities, recording data on plastic waste generation, quality, disposal volume, and processing quantity



In-depth analysis

Performed in-depth analysis on waste handling practices, collection efficiency, waste characterization, end use of plastic waste, value chain, and registered recyclers in each city



Company profiling

Identified and assessed waste handling agencies in India, examining organization history, financials, services, operations, output, and end uses

Results delivered

- We conducted a comprehensive waste assessment in each city, carefully accumulating, collecting, sorting, and disposing of waste through landfilling. This provided valuable insights into waste generation, segregated plastic amounts, and potential raw material for pyrolysis.
- Additionally, we evaluated the quantity of waste produced by each city and assessed their current waste handling capacity. We identified proposed dumping grounds and those no longer in use due to reaching full capacity.
- Through our thorough analysis of the waste management value chain, we provided the client with insights into key stakeholders involved in the ecosystem, pricing structures for each stakeholder, waste flow within cities, and associated costs of segregation and transportation.

- Furthermore, we detailed the cost breakdown based on the type of plastic waste, highlighting financially rewarding waste types and those considered least valuable or unwanted.
- Regarding pricing we assisted the client in understanding the cost analysis for every stakeholder within each city and cost differentiation based on the specific type of plastic, details of unwanted waste with zero pricing and variable costs as per volume and Key drivers and variability in pricing.

Related reading: [Sustainable packaging innovations to watch out for in 2021](#)



Client benefit

We provided the client with a comprehensive perspective of the plastic waste market, offering insights into various stakeholders, including both government and private entities associated with each city. Our analysis also emphasized regional pricing variations and the influence of waste type on market dynamics. Additionally, we conducted a detailed examination of key parameters throughout the value chain. Armed with this valuable information, the client strategically identified ideal locations for establishing their next plastic recycling plant.

To unlock the potential of the waste management economy and make informed decisions for your next recycling venture leverage Netscribes [market research insights](#).

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