

Corporate Presentation

Extended Producers Responsibility





**WASTE
MANAGEMENT
IS THE KEY
TO A BETTER
FUTURE FOR
EVERYBODY.**



Our Services

1

Recycled Plastic Granules

2

Extended Producers Responsibility (EPR)
Post-consumer Waste Management

3

Products
Recycled, Circular, Sustainable

4

Industrial Waste Management

5

Information, Education & Communication
(IEC)

6

Import and Export

7

Liaosoning with CPCB/SPCB for Producers,
Importers, Brand Owners (PIBOs)



Introduction

Est.
1969

Established by
Late Shri. Vishwanath Podaar

Govt.
Auth

'PRO' authorized by
CPCB / SPCB



Pioneer in recycling ALL
types of plastic waste



We Undertake EPR &
CSR Projects

52nd
YEAR





Our Impact

Environmental Impact

500000 MT+
Plastic Waste
diverted from landfills

1000000 MT
CO₂ offset

Products/Sites

100+
Sustainable products to be
developed from MLP

10+
upcoming recycling facilities

Social Impact

10000+
Rag-pickers empowered pan India

52%
women employees

200+
IEC activities
(Information, Education, and
Communication)

Pillars of Strength

100+
ULB tie-ups Pan India

35+
Disposal Centres pan India

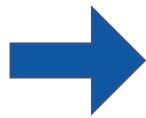
250+
Esteemed brands associated



Recycled Plastic Granules

We are registered recycler and recycle all grades of plastic namely PP, HDPE, LDPE, ABS, HIPS, PS, NYLON, etc.

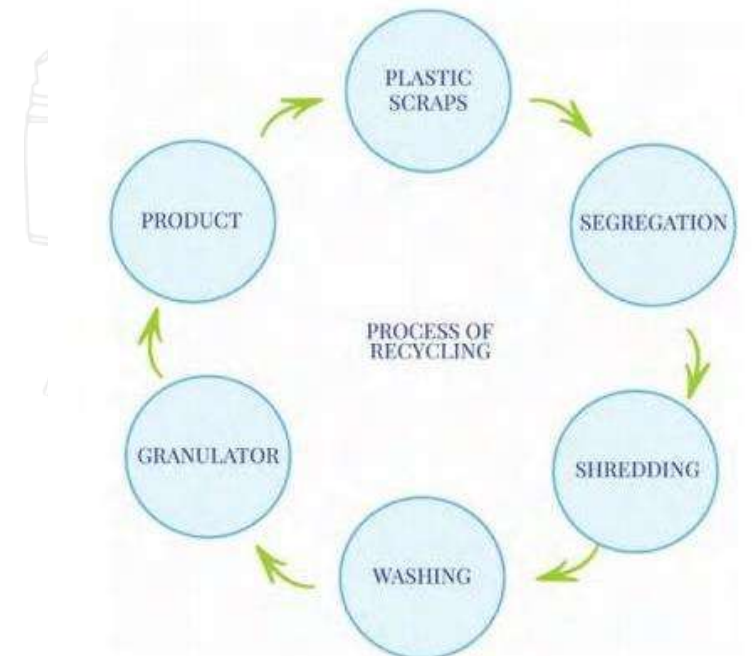
We normally procure these materials from industries as well as consumers. These are in different forms like article waste, lumps, regrades, aggro films, rolls, sheets, bails, etc. These materials are converted into granules.





Latest Recycling Technologies

Patent Application No: 201921018722



Multilayered Plastic Waste – Recycling Process

Patent Application No: 201921018722



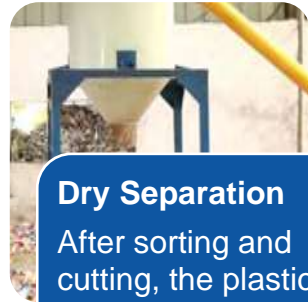
Collection

When plastic are taken to our facility it is first segregated density wise and grade-wise. And further processed.



Washing & Shredding

Segregated plastic waste is further shredded into smaller pieces for easier handling and processed for washing.



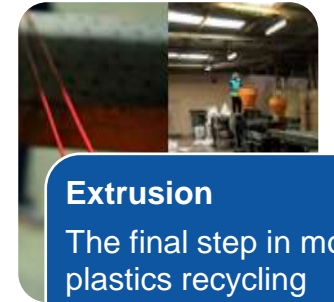
Dry Separation

After sorting and cutting, the plastic pieces can be washed to remove traces of dirt and contaminants, which vary from paper and glue, to sand and grit, and mixed plastic types that can be separated in water



Agglomeration

Agglomeration helps to maintain quality standards of recycled plastics such as bulk density, particle size, ash content



Extrusion

The final step in most plastics recycling processes is compounding, which involves converting plastic regrinds into pellets, and often the incorporation of elements to transform the reclaimed plastics into high-quality, reusable materials. In pellet form, plastic is more easily distributed and re-manufactured

Reprocessed Plastic Granules



PP

- We have all type of polypropylene materials available in various color
- PP is widely used in automobile industries and household products etc.

HIPS & PS

- We supply plant waste HIPS/PS virgin off grade loose material.
- EPS off grade material
- HIPS material for Sheets & Household Products.

HDPE

- All grade and colors available.
- Regrind next to virgin can be directly used for moulding household products.

LDPE

- All grade and colors available.
- Can used for manufacturing various containers, dispensing bottles, wash bottles, tubing, plastic parts for computer components, and various moulded laboratory equipment.

HDPE - BLOW GRADES

- HDPE reprocessed granules in various colour for pipes and drums

NYLON

- We have Nylon granules available in all grade and colour
- Glass filled 15% to 30%.
- Also Nylon6 and Nylon66 available

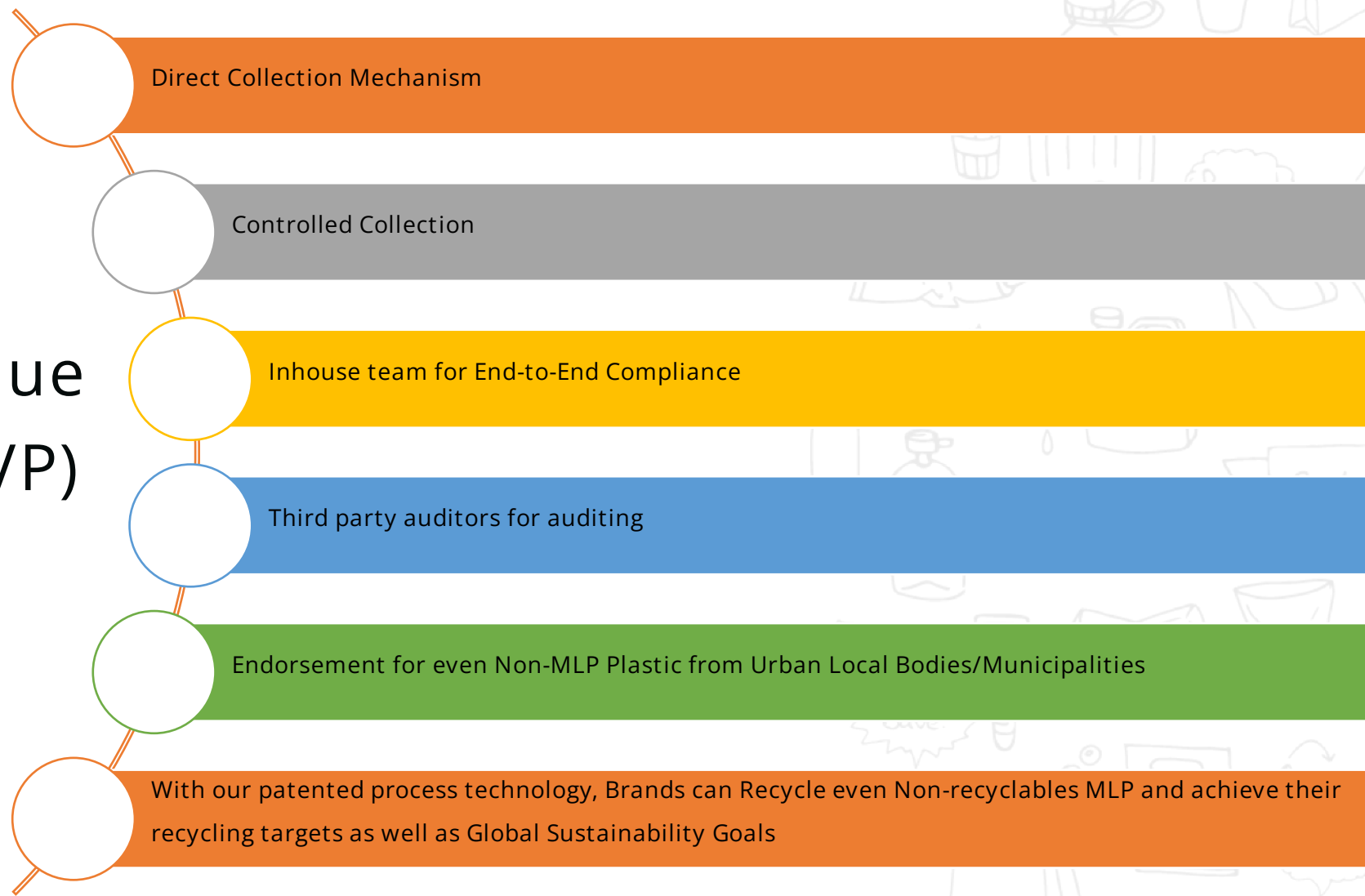
ABS

- ABS plastics are used largely for mechanical purposes.
- ABS can be easily liquefied and moulded into complex shapes through injection moulding techniques.

MLP

- MLP granules made out of post consumer plastic waste.
- Used for household & industrial products.

Our Unique Value Proposition (UVP)



Pictorial Flow – Plastic Waste Management



Waste Collection From various sources

- Urban Local Bodies / Municipalities
- Rag Pickers & Rag Collectors
- Societies & Households
- Collection Drives
- Kabadiwala / Scrap Dealers
- Industrial Waste

Logistics

Collection and Segregation

Collected waste is segregated manually with the help of manual segregator sent for processing accordingly.

Reuse



Products made from recycled plastic waste



Recycling facility



Pyrolysis/Cement Kiln



Waste to road construction



Our Collection Centres

Sr.	State	DISTRICT	Sr.	STATE	DISTRICT
1	Andhra Pradesh	Rayachoti, Chittoor	14	Maharashtra	Mumbai, Palghar, Thane, Pune, Aurangabad, Ratnagiri, Baramati, Kolhapur, Panvel
2	Assam	Kamrup, Sonitpur, Byrnihat, Guwahati, Cachar	15	Orissa	Rourkela, Bhubaneshwar, Balasore
3	Bihar	Darbhangha, Patna, ARA	16	Punjab	Ludhiana, Jalandhar, Patiala
4	Delhi	Sardar Bazaar, Nareli, Dwarka	17	Rajasthan	Ramgarh, Jaipur, Kota
5	Gujarat	Surat, Rajkot, Vapi, Valsad	18	Tamil Nadu	Chennai, Madurai, Selam, Rajapalyam, Bodinagar, Kanur
6	Haryana	Panipat, Sonipat, Gurgaon	19	Telangana	Hyderabad
7	Karnataka	Bengaluru, Belgaum, Hubli	20	Uttar Pradesh	Kanpur, Lucknow, Varanasi, Noida, Agra, Manipuri, Kannauj
8	Kerala	Thiruvananthapuram, Kozhikode, Palakkad	21	Uttarakhand	Haridwar
9	Madhya Pradesh	Bhopal, Indore	22	West Bengal	Haldia, Kolkata
10	Goa	South Goa	23	Jammu & Kashmir	Jammu
11	Chandigarh	Chandigarh	24	Chhattisgarh	Raipur
12	Jharkhand	Ranchi	25	Dadra Nagar Haveli	Silvassa, Dama Diu
13	Himachal Pradesh	Shimla, Mandi,	26	Puducherry	Puducherry

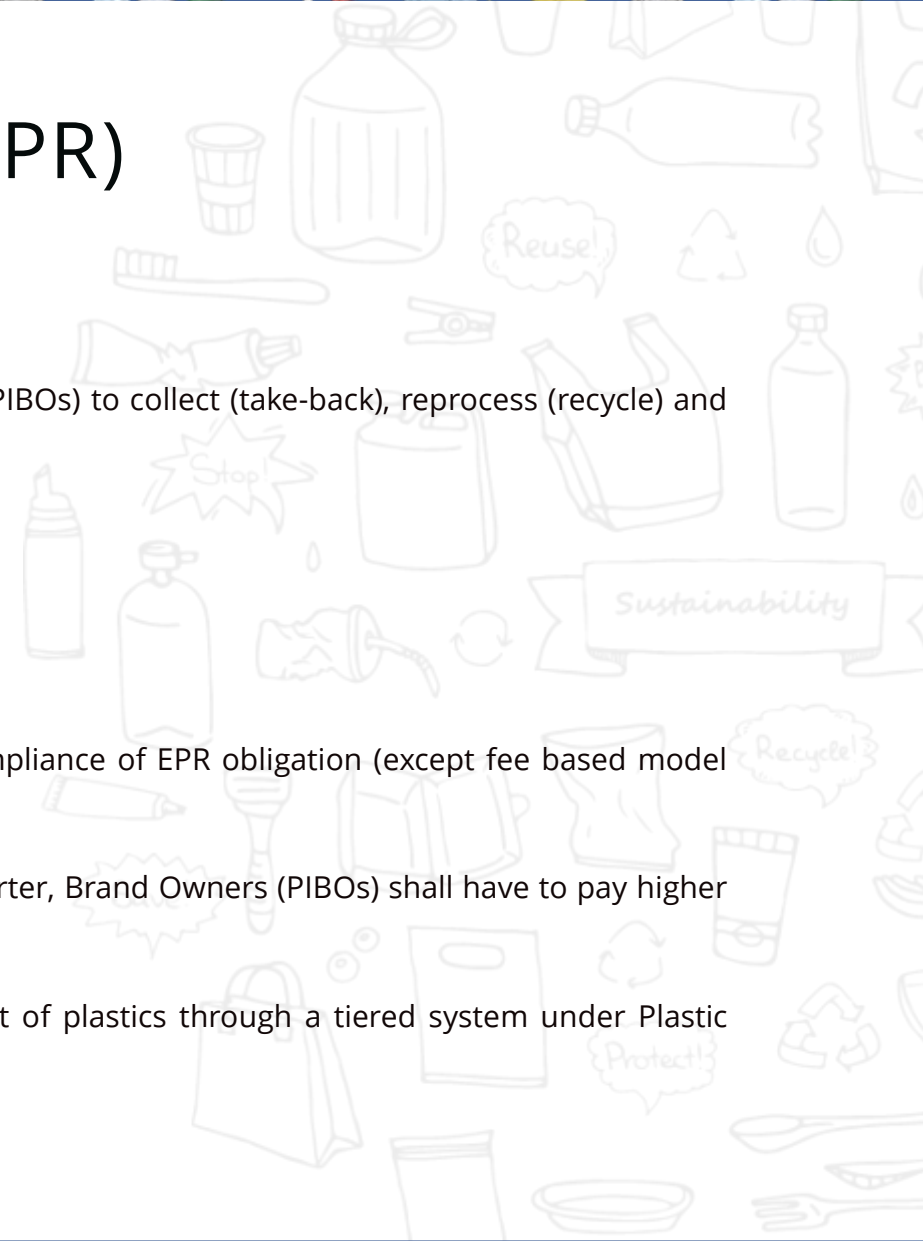


Extended Producers Responsibility (EPR)

What is EPR?

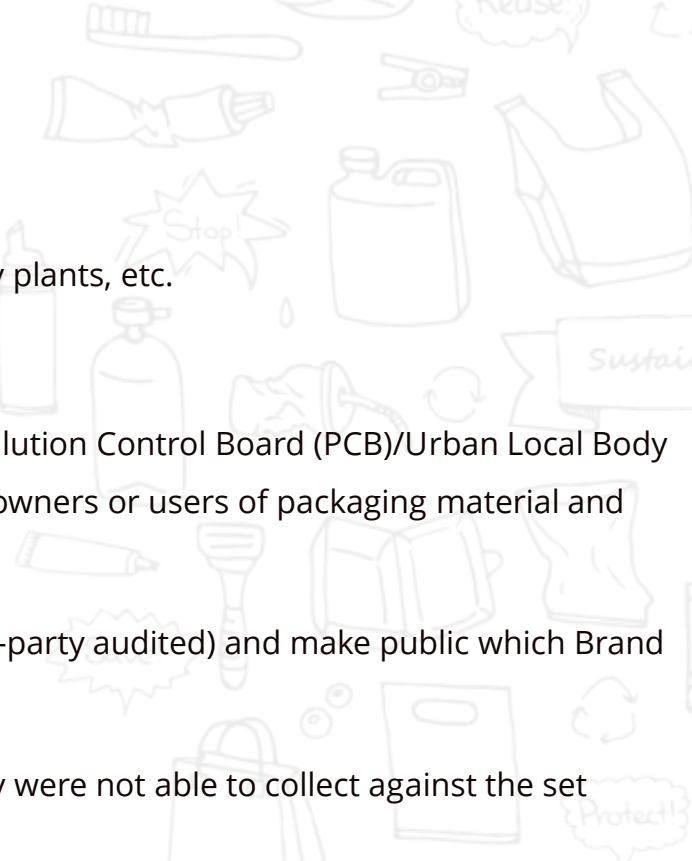
EPR is a policy approach that assigns responsibility to the Producers, Importers and Brand Owners (PIBOs) to collect (take-back), reprocess (recycle) and manage the final disposal of post-consumer product waste

Guiding Principles:

- The Uniform EPR framework is Brand agnostic and Geography neutral.
 - Spends incurred on awareness campaigns and capacity building are not considered towards compliance of EPR obligation (except fee based model where Government use the funds for the purpose). This can be spent under CSR budget.
 - The EPR obligation for MLP shall be higher than the normal recyclable plastic. The Producer, Importer, Brand Owners (PIBOs) shall have to pay higher cost for EPR of MLP.
 - Consistent with the Rules, the program will also allow and provide support for the management of plastics through a tiered system under Plastic Credit model:
- 



Extended Producers Responsibility (EPR)

- > Mechanical recycling systems (preferred option as it's holding the material at its highest value)
 - > Alternative uses such as road construction
 - > The recovery of energy from low-grade plastics through cement kilns, waste to energy plants, etc.
 - Recycling targets should cover all post-consumer packaging waste (including household waste).
 - The Producer Responsibility Organization (PRO) is required to submit an EPR plan to the state Pollution Control Board (PCB)/Urban Local Body (ULB). Once approved, the PRO is “authorized” to discharge the EPR responsibility of their Brand owners or users of packaging material and importer members.
 - All authorized PROs must submit to the National and State-level PCBs their annual reports (third-party audited) and make public which Brand owners or users of packaging material and importers have signed up.
 - Penalties shall be imposed on the PIBO by the governing authorities for the portion of waste they were not able to collect against the set target. This money shall be used for creating infrastructure for plastic waste management.
- 

THE SHAKTI PLASTIC INDUSTRIES IS REGISTERED WITH

CENTRAL POLLUTION CONTROL BOARD (CPCB)



FOR COLLECTION AND RECYCLING OF POST-CONSUMER PLASTIC WASTE

MAHARASHTRA POLLUTION
CONTROL BOARD (MPCB)



FOR COLLECTION AND RECYCLING OF POST-CONSUMER PLASTIC WASTE &
POST-INDUSTRIAL WASTE

WHAT IS PRO?

Producer Responsibility Organizations (PRO) are the waste management agencies who have been given the responsibility of collecting back the end-of-life waste generated by PIBO's.

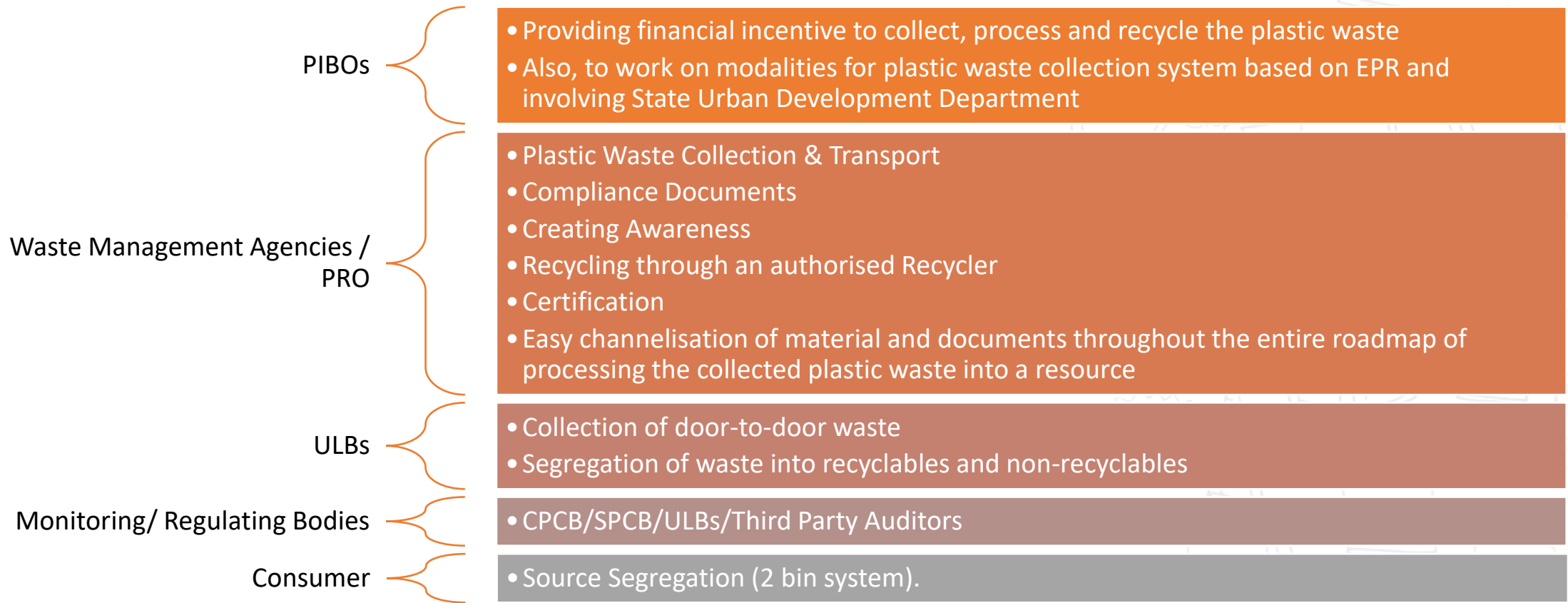
The prime objectives of a PRO are:-

- Establishment of collection mechanism such as door-to-door collection.
- Establishment of collection centres/points this may include setting up of collection godowns or operating through warehouses as per the guidelines issued by CPCB
- Arrangement for logistics Ensuring traceability of the plastic waste collection, channelization, disposal and end -of-life stage. Ensuring environmentally-sound recycling and disposal.
- Conducting awareness programme among consumers/producers for collection and channelization of plastic waste Helping producers in filing of Quarterly/Annual Reports as per the rules.
- Provide an EPR plan as legally required.

Components of Our PRO Model

Vast ULB Tie-ups
Effective reverse-logistics system
Vast network of Recyclers (PAN India)
Inclusion of a vast network of *safai-saathis*
(improving their working conditions and incomes)

Assigning/Determining Responsibilities





Our Recycling Capacity



Maharashtra

- Palghar Unit – 1,20,000 MT/Annum
- Bhiwandi Unit – 10,000 MT/Annum



Madhya Pradesh

- 1,00,000 MT/Annum
To be increased to 1 Lac in upcoming quarter



Gujarat

- 10,000 MT/Annum



Bihar

- 8,000 MT/Annum
Tie-up with Recycler



Other States

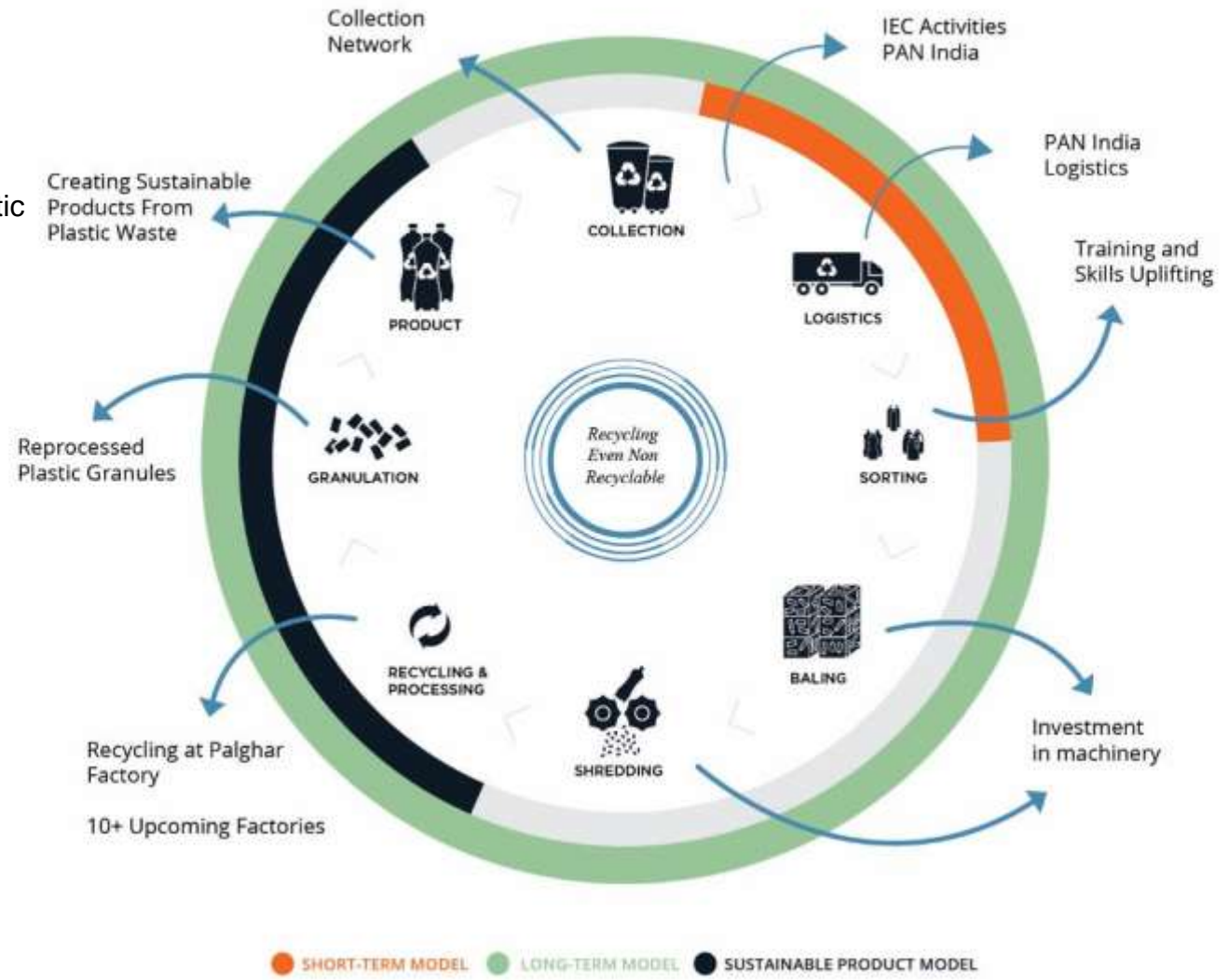
- In other state we are working for strategic tie-up with Recyclers for Recycling of MLP waste



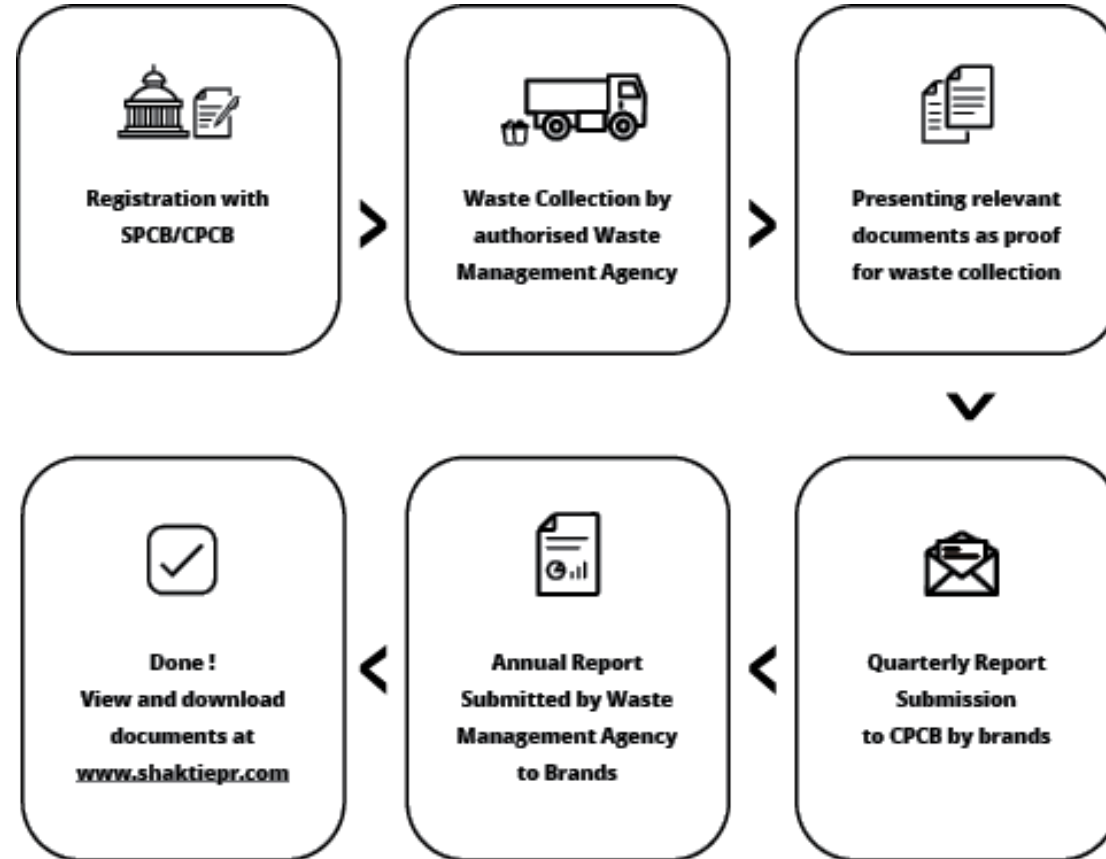
Our EPR Models

In view of the more holistic approach to PWM envisaged under the Framework, The Shakti Plastic Industries has evolved and devised two customizable models for PIBOs:

- **WMA/PRO Model**
- **EPR-CSR Model**



Process for EPR Implementation





Transparent Documentation

In order to avoid duplicity and ensure credibility of document SHAKTI plastics The only govt. document (E-way bill) in entire supply chain is generated with brands name mentioned on it.

WASTE PROCESSING ROADMAP AND DOCUMENT LINKAGE

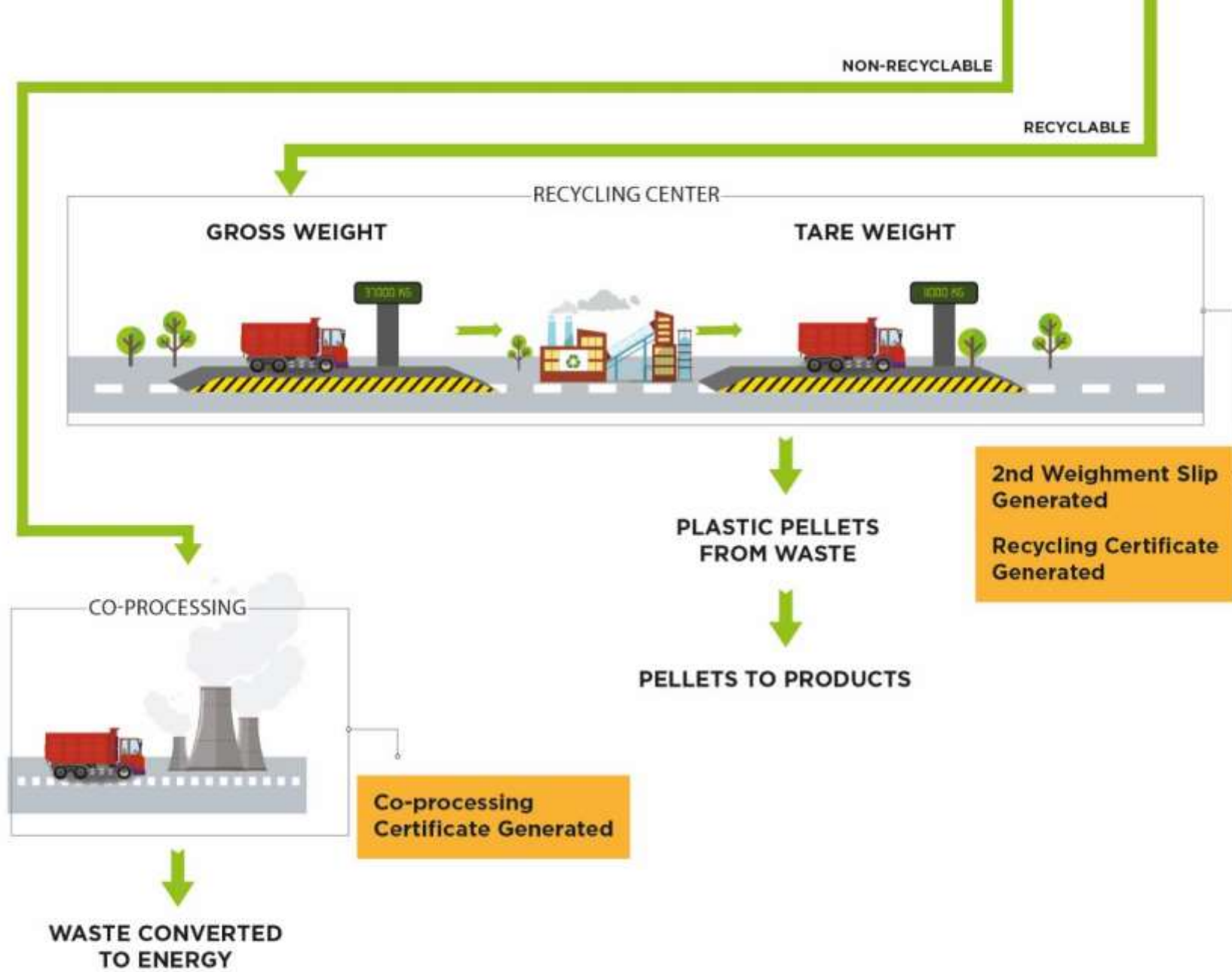


SOURCING WASTE FROM URBAN LOCAL BODIES RAGPICKERS, KABADIWALA'S, ROAD SWEEPERS

- 1st Weigh slip generated
- Collection invoice
- Lorry receipt generated
- E-way bill generated

WASTE COLLECTION CENTER





DIGITAL EPR PORTAL



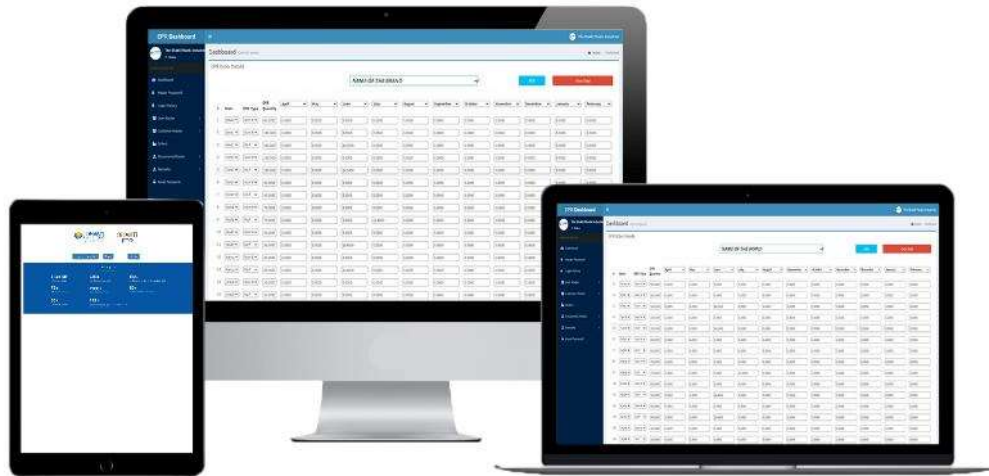
Registration



Account Activation



View/Download Documents



EPR DOCUMENT ACCESSIBILITY at your fingertips

- Providing transparency
- Avoiding duplicity
- Maintaining traceability
- Access documents anywhere, anytime

Scope of Service

The Service Provider shall ensure the EPR compliance of the Company in the territories and quantities according to the requirements of the Company as per **Plastic Waste Management 2016 Rules and Amendments**. The Service Provider shall follow the waste collection, segregation, recycling and disposal process as approved by the CPCB for the EPR compliance of the Company. The Service Provider shall ensure 100% compliance of set targets as per CPCB guidelines.

Documents:

- Weighment Slip-1
- Invoice
- E-way Bill
- Lorry Receipt
- Weighment Slip-2
- Recycling Certificate/Co-processing Certificate
- ULB Endorsement Copy
- CPCB/SPCB Acknowledgement Letters
- CA Certificate
- Quarterly/Half-Yearly/Annual Report

Recycled Products

Post-Consumer Multilayered & Non-Multilayered Plastic Waste Converted into Beautiful Products Supporting Circular Economy

THE SHAKTI PLASTIC INDUSTRIES
Turning waste to value

Product of The Day

Carbon Negative Stiles

Each Tiles Recycles 1 kg of Multilayered Plastic waste and offsets approximately 2.5 kg of co2



1Sq. ft. of Tile Recycles **~1 kg** of Multilayered Plastic Waste (MLP Waste)

Saves Approximate of **~2.5 kg** of CO₂ Emission

#SustainableProducts #MLPRecycled


www.shaktiplasticinds.com

THE SHAKTI PLASTIC INDUSTRIES
Turning waste to value

Each Pallet Averts approx imately

~38 kg CO₂

Emission & Recycles 17 kg of MLP Waste



PALLET
stack, store, protect, transport

#SustainableProducts #MLPRecycled

www.shaktiplasticinds.com

THE SHAKTI PLASTIC INDUSTRIES
Turning waste to value

Product of The Day

Carbon Negative DUSTBIN

Itself made from post-consumer waste diverting - 3.3 kg of waste from landfill and offsets -2.2 kg of co₂



#SustainableProducts #WasteToValue

www.shaktiplasticinds.com

THE SHAKTI PLASTIC INDUSTRIES
Turning waste to value

Product of The Day

Carbon Negative Benches

Each MLP Bench recycles 1 kg of Post-consumer Plastic waste and offsets approximately 94 kg of CO₂



Recycles **~1 kg** of MLP Waste

Offsets **~94 kg** of CO₂

#SustainableProducts #WasteToValue

www.shaktiplasticinds.com

THE SHAKTI PLASTIC INDUSTRIES
Turning waste to value

Product of The Day

Carbon Negative FLOWER POT

Flower pots are made from 100% recycled plastic and flower pot weighs 1.1 kg, recycles 0.7 kg of post-consumer waste



Recycles **0.7 kg** of MLP Waste

Offsets **1.1 kg** of CO₂

#SustainableProducts #WasteToValue

www.shaktiplasticinds.com



Industrial waste management

The Shakti Plastic Industries offers holistic end-to-end Industrial Waste Management Solution which includes collection, transport, processing, recycling or disposal, managing and monitoring of all types of waste materials. Our approach is to improve companies' environmental efficiencies eliminating waste through resource recovery practices, which are sustainability-related activities. One way to do this is by shifting away from waste management to resource recovery practices like recycling materials such as plastic and converting them into sustainable products.





End-to-End Solution

Shakti has track record of successfully managing tons of industrial plastic waste from collection, logistics to disposal or recycling into high quality products such as pallets, benches etc.

Our dedication and hard work has earned Shakti Plastics goodwill in the recycling industries for over 52 years. Today we are proud to be the leading manufacturer of all types of reprocessed plastic granules and our expertise lies in reprocessing all types of plastic waste purchased from resin producers, molders, extruders, fabricators and recycling companies.



Information, Education and Communication (IEC)

We have also organized various social programs on plastic waste management at NGOs, Companies, Schools, Hospitals, Societies, Marine Academies and Government bodies.



CLEANING DRIVE UNDER SWACHH BHARAT ABHIYAN



Social Initiatives – Environment SEWA Foundation



The Shakti Plastic Industries is committed to make a difference to the society.

We have taken steps proactively to ensure that we can make a change and bring smiles on the faces of many people across the nation.

We have built borewells at various villages to make water more accessible to people. We engaged tribals and the underprivileged sections of the society and educated them in Computers, Sewing, Electrical Course and Personality Development.

We have conducted various tree plantation drives to ensure the country becomes greener. We provide educational and medical aids to various sections of the society and have a well-equipped medical center run by our Charitable Trust, Smt. RADHADEVI PODAAR TRUST.

Associated with Esteemed Organization





TIMES OF SOCIAL IMPACT

Plastic Waste Management
OUR COMMONS INITIATIVE



Plastic waste management: Turning challenges into opportunities

Plastics, as materials, are not an issue, but it is their management that has been a challenge. Hence, The Shakti Plastic Industries (TSPi) has been working towards engineering the waste management systems and creating awareness amongst managing plastic waste efficiently.

Responsible disposal of plastic
Plastic waste management is a global challenge. In India, the plastic waste management system is still in its nascent stages. The Shakti Plastic Industries (TSPi) has been working towards engineering the waste management systems and creating awareness amongst managing plastic waste efficiently.

Repurpose plastic into something useful

From the creative use of plastics to applying of ordinary through challenging of routine processes, the world of plastics is witnessing a revolution of sorts.



Plastic Waste Management
The Shakti Plastic Industries (TSPi) has been working towards engineering the waste management systems and creating awareness amongst managing plastic waste efficiently.

With a strong collection and segregation system, the amount of waste going to the landfill is significantly reduced.

Shakti Plastics Story and It's partners name featured by Times of India under Times of Social Impact in five cities

Mumbai

Delhi

Indore

Bangalore

Vadodara

Recycling Is The Key To Sustainability

Recycle plastics with The Shakti Plastic Industries

- Recycled Sustainable Products
- Post-consumer Waste Management
- Extended Producers Responsibility (EPR)
- Industrial Waste Management
- Recycled Plastic Granules

Brands taking steps to reduce their impact on environment

PEPSICO L'OREAL

As the brands have become responsible for waste they produce, brands are making significant positive social & environmental, by channeling abundant amount of plastic waste into circular economy

Email: info@shaktiplasticindustries.com
Dr. Contact: +91 922 9907 1588 / 01 792



TV MEDIA

- NDTV
- NEWS NATION

Print Media

- BUSINESS STANDARD
- BUSINESS WORLD
- DAINIK JAGARAN
- THE HINDU
- TIMES OF INDIA
- BUSINESS CONNECT

“ We are acknowledged about our cleanliness activities by various news channels ”



2020/2020 THE SHAKTI PLASTIC INDUSTRIES | Business Connect
About us | Advertise with us | Business reviews | Guest writers | Subscriptions | Contact | Connect us | Friday, February 28, 2020

BC Business Connect

INSPIRING BUSINESS COMMUNITY

NEWS MAGAZINE LOUNGE INTERVIEWS PRESS RELEASE BLOGS

SUCCESS STORIES

Home » The 10 Most Trusted Waste Management Service Providers 2020

SHAKTI PLASTIC INDUSTRIES

by Ravi — January 4, 2020 860 27 0

The 10 Most Trusted Waste Management Service Providers 2020, Lounge Interviews

BC Business Connect
THE 10 MOST TRUSTED WASTE MANAGEMENT SERVICE PROVIDERS 2020
THE SHAKTI PLASTIC INDUSTRIES
Summing waste to enrich

THE SHAKTI PLASTIC INDUSTRIES

A PRINCIPAL PRACTITIONER OF WASTE MANAGEMENT SERVICES ACROSS INDIA

RAMUL VINOD PODAAR
MANAGING DIRECTOR

THE SHAKTI PLASTIC INDUSTRIES | Business Connect

YOU CAN RECYCLE ALMOST ANYTHING, SERIOUSLY, YOU CAN.

MAKING A DIFFERENCE TO THE WORLD WE LIVE IN.

Reduce the amount of the earth's resources that we use. Reuse don't just bin it, someone else can make use of it. Recycle plastic materials to be made into something new. Recycling gives new life to the things we use. Recycling means taking a product or material at the end of its useful life and turning it into a usable raw material to make another product.

WASTE MEIN SE BEST. KACHARE SE CASH TAK

KEEP CALM AND RECYCLE





THE SHAKTI
PLASTIC INDUSTRIES

Turning waste to value



Registered Office:

202-205, 2nd Floor, Business Classic,
Chincholi Bunder Road, Malad (W),
Mumbai 400 064 MH-India

Phone: +91 (022) 4967 1500/01/02

Email: info@shaktiplasticinds.com

Factory Locations

Maharashtra, India

Gujarat, India

Madhya Pradesh, India

Delhi, India

Dubai, UAE

Follow us

Twitter: [@shakti_plastic](https://twitter.com/shakti_plastic)

Linkedin: [@shaktiplasticinds](https://www.linkedin.com/company/shaktiplasticinds)

Facebook: [@shaktiplasticinds](https://www.facebook.com/shaktiplasticinds)

Instagram: [@theshaktiplasticindustries](https://www.instagram.com/theshaktiplasticindustries)

Youtube: The Shakti Plastic Industries

LEGAL NOTICE

All rights reserved. The content of this brochure is subject to change without prior notice. All images, statements, designs, offerings included in this brochure are of the company. Unauthorized copying, reproduction and publishing of any content / product of this brochure is prohibited. The Company reserves its rights to suitably change, alter or omit anything contained herein. For suggestions and/or complaints send an email to info@shaktiplasticinds.com