

**National Policy Workshop Webinar Series**  
**On**  
**Countermeasures for Riverine and Marine Plastic Litter in India**  
**12 -22 May 2020**

***Session 3: Activities and Best practices to counter plastics litter by sustainable waste management and circularity***

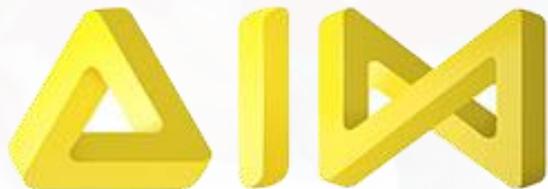
**EPR DIGITAL GOVERNANCE PLATFORM**



# EPR DIGITAL GOVERNANCE PLATFORM SOLUTION FOR PLASTIC WASTE MANAGEMENT PILOT PROJECT IN PUNE MUNICIPAL CORPORATION



Maharashtra Pollution Control Board  
महाराष्ट्र प्रदूषण नियंत्रण मंडळ



ATAL INNOVATION MISSION



महाराष्ट्र शासन

Maharashtra  
State Innovation  
Society

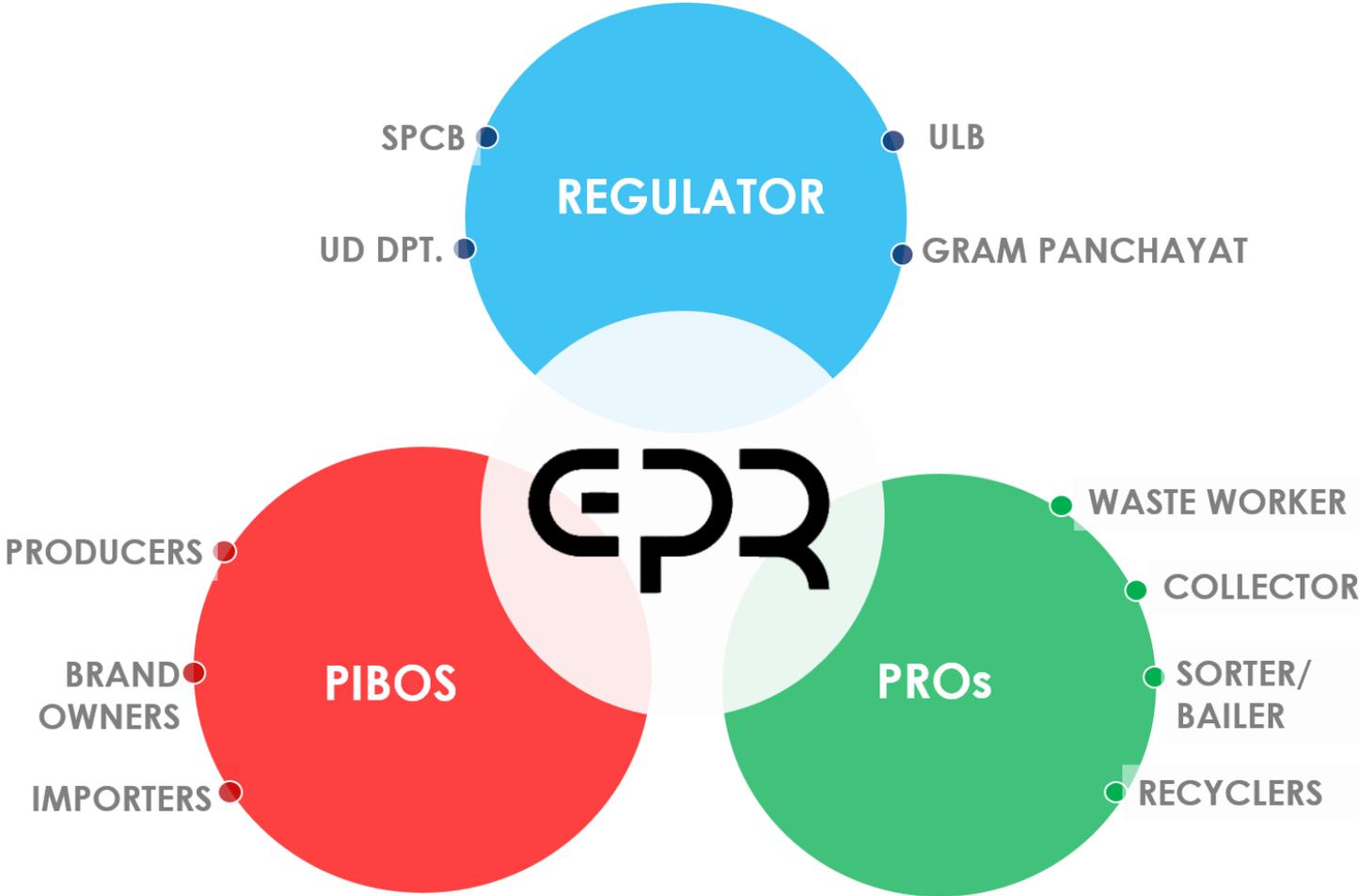


एक कदम स्वच्छता की ओर

# VISION

## EPR DIGITAL GOVERNANCE PLATFORM

We envision to standardize and bring **Accountability & Traceability** in managing post-consumer plastic packaging waste.



# EPR GOVERNANCE

## CENTRAL REGISTRATION PORTAL

- PRODUCER
- IMPORTER
- BRAND OWNER (PIBO)
- WASTE MANAGEMENT CO. (WMC)
- LOCAL BODIES

## OBLIGATION MANAGEMENT

- SETTING UP OBLIGATION FOR PIBO
- MATERIAL WISE OBLIGATION
- PIBO – PLASTIC PACKAGING PLACED
- WMC – PROCESSING CAPACITY

## DISCHARGING EPR

- THROUGH WASTE MANAGEMENT CO.
- PROJECT BASED MODEL
- ESCROW MODEL

## ACCOUNTABILITY

- SOURCE TO EOL TRACEABILITY
- ADDING CAPACITY FOR WMC
- END TO END ENCRYPTION

## COMPLIANCE

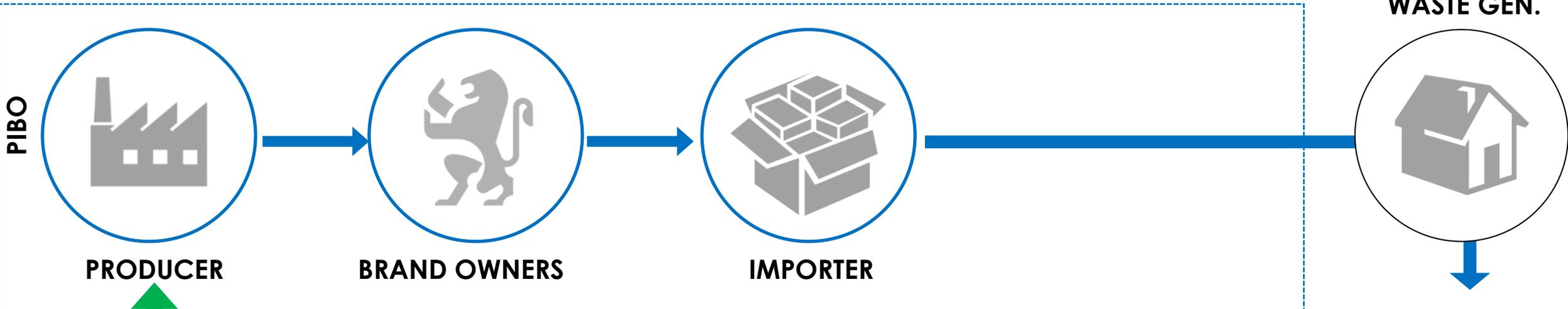
- EPR COMPLIANCE FOR PIBO
- SAFE DISPOSAL CERTIFICATE
- EPR CERTIFICATE

## DECISION SUPPORT & ANALYTICS

- PPW PLACED BY PIBOS VS PROCESSED
- DIGITAL RECORD OF EPR TRANSACTION
- DASHBOARD DEVIATIONS BY PIBO & PROS
- DATA FOR INFORMED POLICY MAKING

# PLATFORM FRAMEWORK

## DEMAND



## SUPPLY

# PROCUREMENT OF LOW VALUE WASTE FROM WASTE WORKERS



D2D, Gate collection by waste collectors



Assembly of waste collectors at feeder point



Collection and weighing of waste



Documentation maintained at feeder points

16:57 EPR TRACEABILITY

- Register New Collector
- Price List
- Buy Material
- Transfer Material
- Transaction History

16:57 MATERIAL QUANTITY

Plastic	Type	Today's Price(₹)	Quantity (KGS)
PET	Rigid	11	00.00
HDPE	Rigid	8	00.00
PVC	Rigid	7	00.00
LDPE	Rigid	12	00.00
PP	Rigid	10	00.00
PS	Rigid	11	00.00
Others	Rigid	2	00.00
PET	Flexible	10	00.00
HDPE	Flexible	7	00.00
PVC	Flexible	7	00.00

NEXT

16:58 FINAL INVOICE

Collector Name: Rukmini Dashrath Bhalariao

Finalization Date : 14/12/2019

Date : 14/12/2019

Plastic	Type	Today's Price(₹)	Quantity (KGS)	Amount Ra
Others	Flexible	4	20.0	80
<b>Total</b>				<b>80</b>

SEND EMAIL

# PROCESS OF TRANSFER AT SORTING & BALING FACILITY



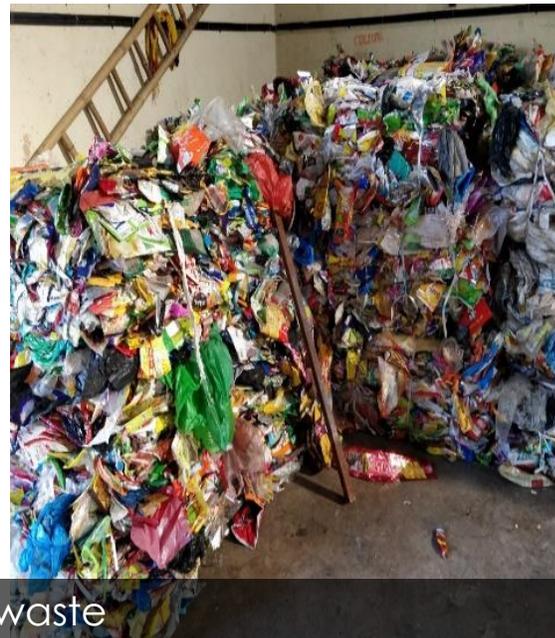
Offloading of vehicle at the S/B facility



Sorting of MLP / LVP



Baling of sorted MLP / LVP waste



17:45 EPR TRACEABILITY

- Register New Collector
- Buy Material
- Receive Material
- Sell Material
- Transaction History

17:46 MATERIAL QUANTITY

Select Type of Processor  
Recycler

Select the processor  
Yohesh Sharma

Plastic	Type	Today's Price(S)	Quantity (KGs)
PET	Rigid	40	10
HDPE	Rigid	4	00.00
PVC	Rigid	4	00.00
LDPE	Rigid	4	00.00
PP	Rigid	4	00.00
PS	Rigid	4	00.00
Others	Rigid	4	00.00
PET	Flexible	4	00.00

17:46 PROFORMA INVOICE

Plastic	Type	Today's Price(S)	Quantity (KGs)	Amount Ra
PET	Rigid	40	10	400

Sub Total (A) 400

Transportation Amount (B) 210

GST 5% on (A+B) 30.5

Total 640.5

CAPTURE VEHICLE DETAILS

Record maintained at S/B facility

# RECYCLER CREATING A SAFE DISPOSAL CERTIFICATE



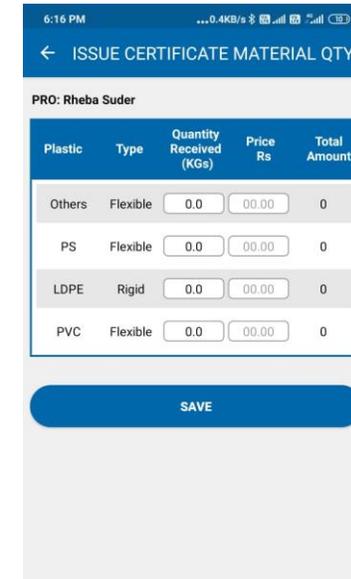
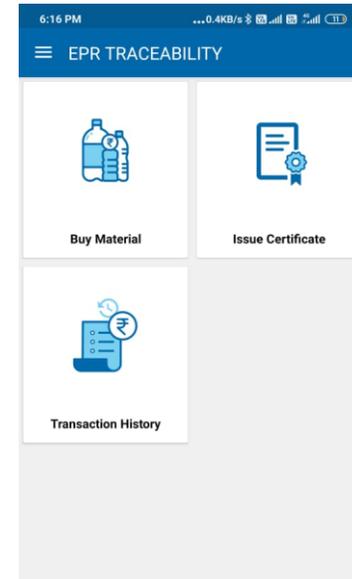
Offloading of vehicle at the Recycling facility



Washing and drying of MLP / LVP



Recycling of MLP / LVP waste



Record maintained at Recycling facility

# SCALING PILOT IN 7 STATES



**HARYANA**



**HIMACHAL PRADESH**



**UTTARAKHAND**



**MAHARASHTRA**



**GOA**



Government of Puducherry

**PONDICHERRY**



**KARNATAKA**

# RECOGNITION





**THANK YOU**