

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



महाराष्ट्र शासन

Maharashtra
State Innovation
Society

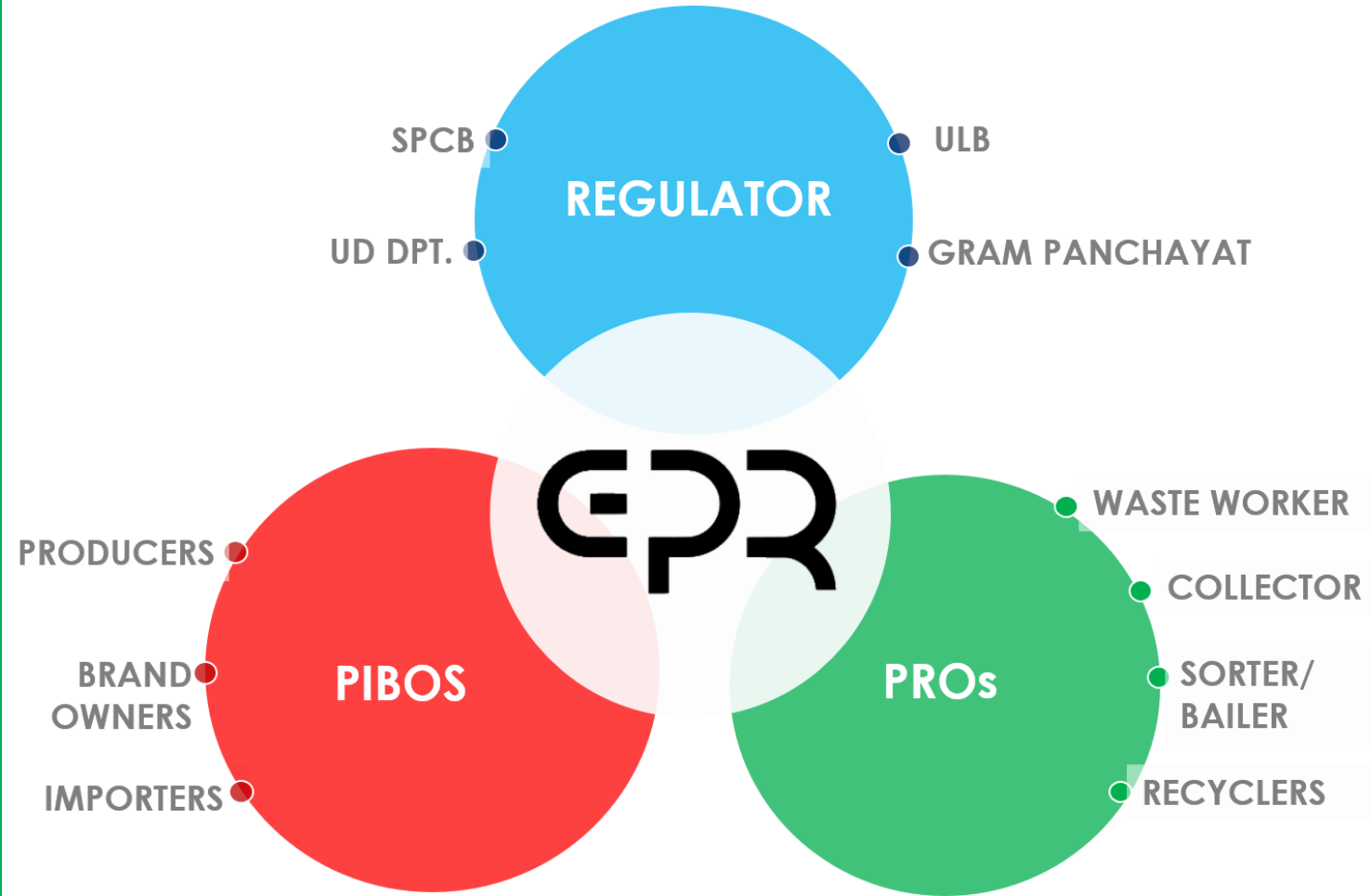


एक कदम स्वच्छता की ओर

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

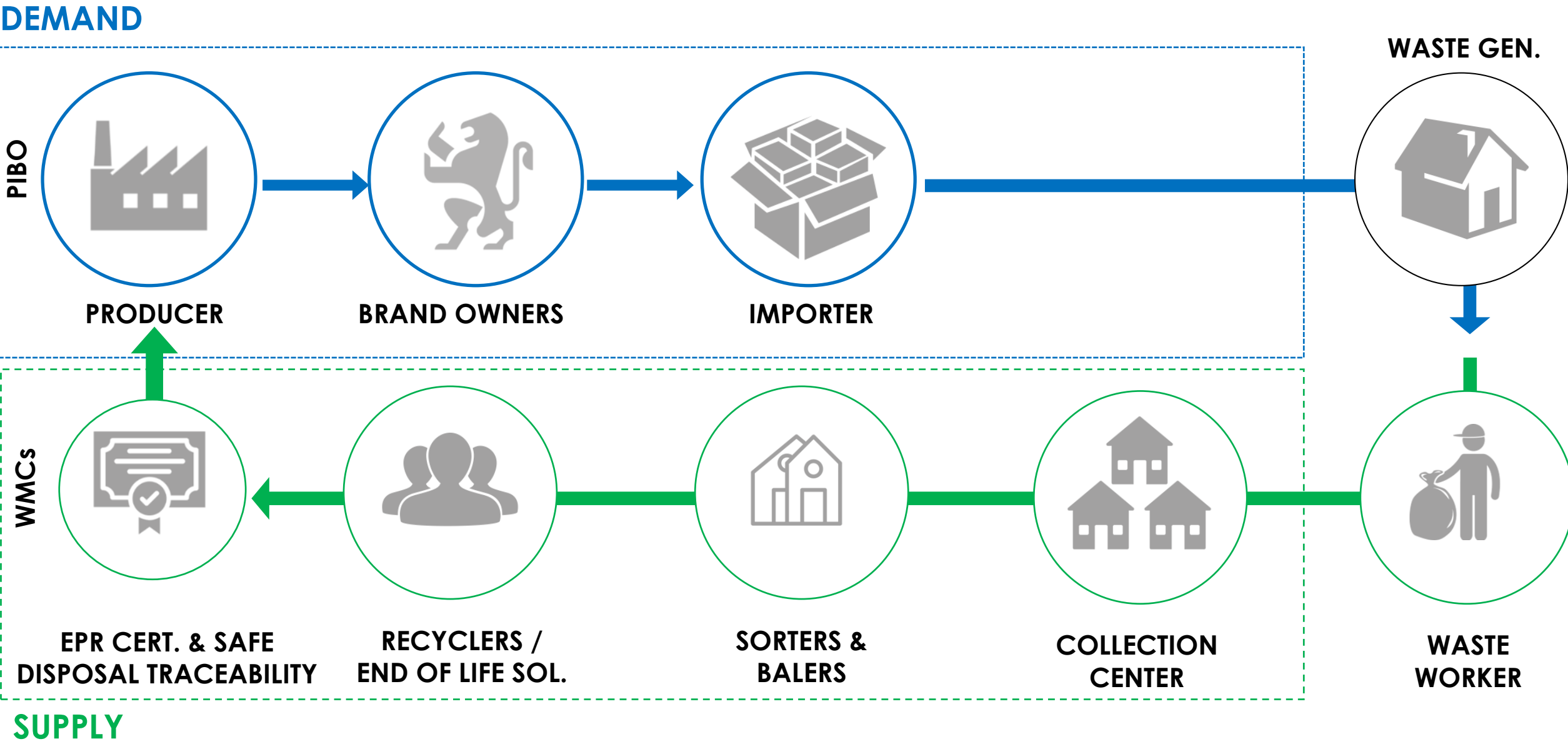
COMPLIANCE

- 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



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



16:57

EPR TRACEABILITY

Register New Collector

Price List

Buy Material

Transfer Material

Transaction History

16:57

MATERIAL QUANTITY

Plastic	Type	Today's Price(B)	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 Bhalarao

Finalization Date : 14/12/2019

Date : 14/12/2019

Plastic	Type	Today's Price(B)	Quantity (KGs)	Amount Ra
Others	Flexible	4	20.0	80
Total				80

SEND EMAIL

Documentation maintained at feeder points

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



6:16 PM ...0.4KB/s

EPR TRACEABILITY

Buy Material

Issue Certificate

Transaction History

6:16 PM ...0.4KB/s

ISSUE CERTIFICATE MATERIAL QTY

PRO: Rheba Suder

Plastic	Type	Quantity Received (KGs)	Price Rs	Total Amount
Others	Flexible	0.0	00.00	0
PS	Flexible	0.0	00.00	0
LDPE	Rigid	0.0	00.00	0
PVC	Flexible	0.0	00.00	0

SAVE

6:16 PM ...0.3KB/s

CERTIFICATE SUMMARY

Certificate of Disposal

This is to certify that
On behalf of
Rheba Suder
"Yogesh Sharma"(CPCB approved
Recycler)
Collected and Disposed "1051.0 Kgs"
of Others-Flexible Plastic waste from
end user in Maharashtra towards
Recycling to meet PWM Rule 2016
EPR Compliance.

Date	Seller Name	Quantity (KGs)	Invoice Number
18/01/2020	Sarthak Tapasvi	1051	RE18012020 k5jh6pc

Record maintained at Recycling facility

SCALING PILOT IN 7 STATES



HARYANA



HIMACHAL PRADESH



UTTARAKHAND



MAHARASHTRA



GOA



सत्यमेव जयते
Government of Puducherry

PONDICHERRY



KARNATAKA

RECOGNITION



EIGHTH REGIONAL

3R
FORUM

#India3RForum
#MissionZeroWaste



THANK YOU