

India's Mission Circular Economy

09-02-2023



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NITI Aayog

- Hon'ble PM on Circular Economy
- Best practices from Indian States
- Circular Economy & its importance
- India's Journey in Circular Economy
- Way forward

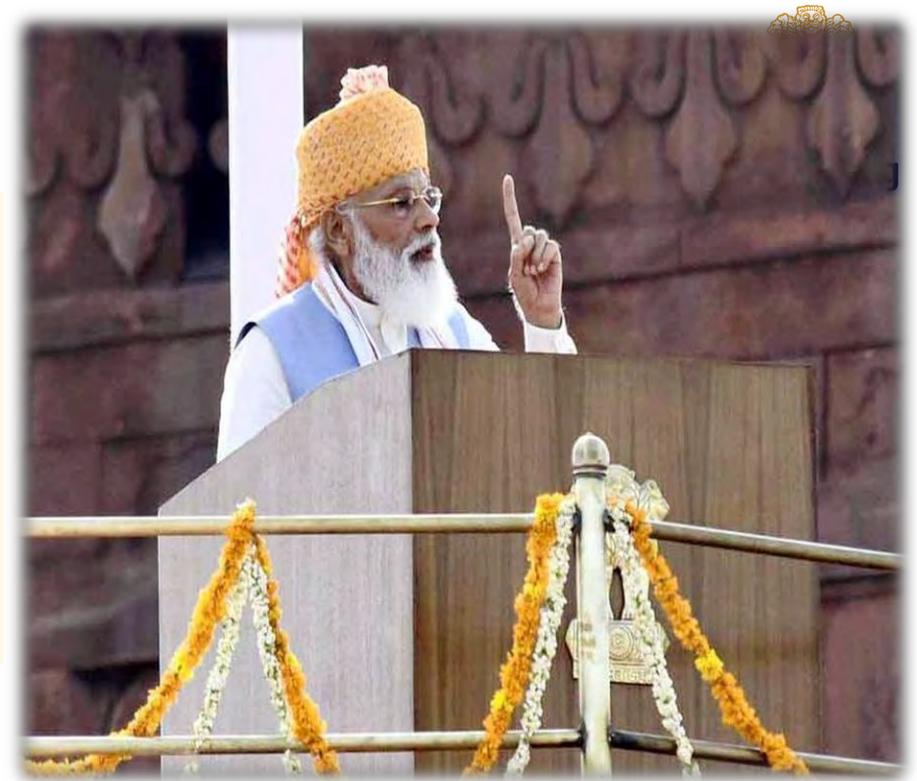


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Independence Day Speech, 2021

“ इन सारे प्रयासों के साथ ही देश **Mission Circular Economy** पर भी बल दे रहा है। हमारी **Vehicle Scrap Policy** इसका एक बड़ा उदाहरण है।”

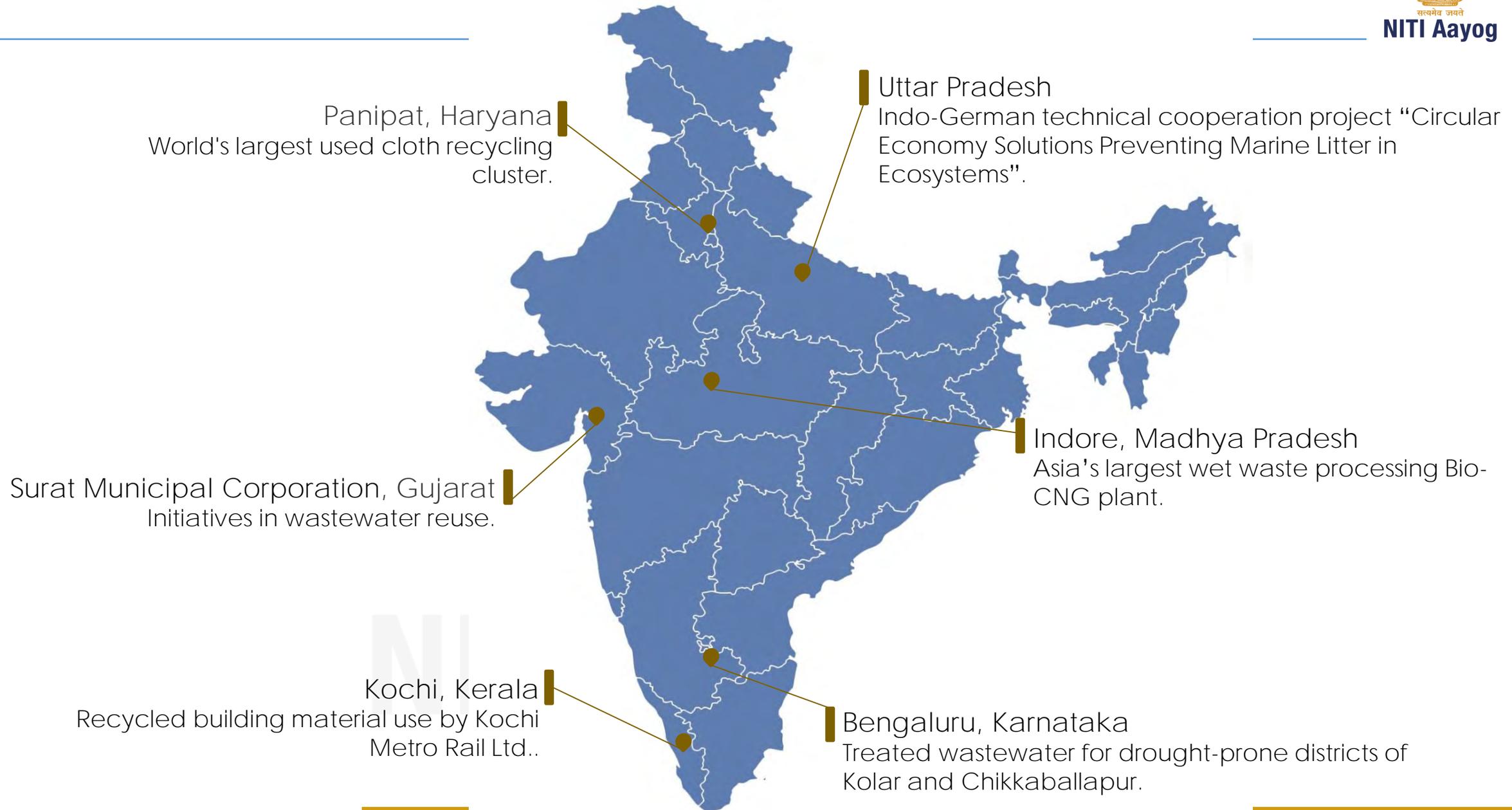


World Environment Day, 5th June 2021

आज जो **Circular Economy** की बात हो रही है, उसमें ऐसे products और ऐसे processes पर फोकस किया जा रहा है, जिनमें संसाधनों पर कम से कम दबाव पड़े। **सरकार ने भी ऐसे 11 क्षेत्रों की पहचान की है**, जिससे हम आधुनिक टेक्नॉलॉजी के माध्यम से संसाधनों को रिसाइकिल करके सदुपयोग कर सकते हैं।

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Some Good Practices from States





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What is Circular Economy?

Why is it important?

What is Circular Economy?

LINEAR ECONOMY

vs.

CIRCULAR ECONOMY

Creates more waste

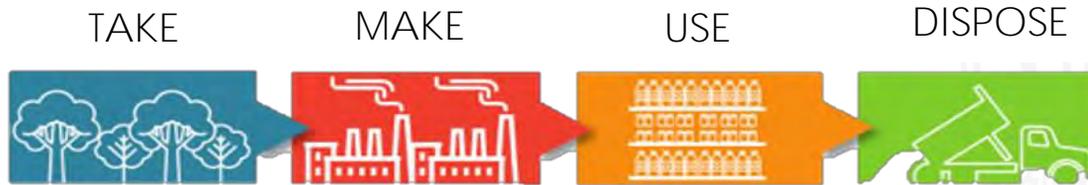
Unsustainable use of fresh resources

High ecological footprint

Reduced waste & pollution

Circulate products & materials

Regenerate Nature



Materials in a linear economy creates waste after use



Materials in a Circular economy are collected and reused

Rationale for a Circular Economy Mission



Economic Value

50,000 USD addition in GDP by
2030 ¹



Job Creation

18 Million new jobs by
2050²



Material Savings

Virgin material consumption
24% lower in 2030
38% lower in 2050³



Reduction in GHG Emissions

34 GtCO₂ by 2070⁴

¹ Accenture Report: Accelerating India's Circular Economy Shift A Half-Trillion USD Opportunity Future-proofing growth in a resource-scarce world

² McKinsey Global Institute: The net-zero transition - what it would cost, what it would bring

³ Ellen MacArthur Foundation CIRCULAR ECONOMY IN INDIA: RETHINKING GROWTH FOR LONG-TERM PROSPERITY

⁴ McKinsey Sustainability Decarbonising India



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India's Journey in Circular Economy

- National Initiatives
- Institutional structure for CE

ACTIONS UNDERTAKEN



Sectoral Committees

Committees for 11 sectors/waste streams* formed chaired by Secretaries



Action Plans finalized

Actions cover the following:

- Regulatory
- Developmental
- Incentive-driven
- Inclusive development



Center State Collaboration on 3 tracks

- Municipal Solid & Liquid Waste
- Waste water
- Special category waste – batteries, plastics, End-of-life vehicles, tyres, etc.

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* 11 Sectors : 1. E-Waste; 2. End-of-life vehicles; 3. Toxic & Hazardous Industrial Waste; 4. Municipal Solid & Liquid Waste; 5. Li-Ion Batteries; 6. Used Oil; 7. Gypsum; 8. Scrap Metal; 9. Tyres & Rubber Recycling; 10. Solar Panels; 11. Agriculture

National Initiatives (2/3)

MoHUA

(Ministry of Housing and Urban Affairs)

- Implementation of SBM (Swacch Bharat Mission)
- Open Defecation Free
- Waste management- dry waste, wet waste, sludge, C&D waste and wastewater
- SATAT scheme to encourage promotion of Compressed Bio Gas (CBG)

MoEFCC

(Ministry of Environment, Forests & Climate Change)

- EPR regulation for 4 waste streams: plastics, e-waste, tyres, batteries
- Generation of EPR certificates and regular audit and monitoring activities
- Guidelines and SOPs for handling different wastes- ELVs, Toxic and Hazardous wastes, etc.

National Initiatives (3/3)

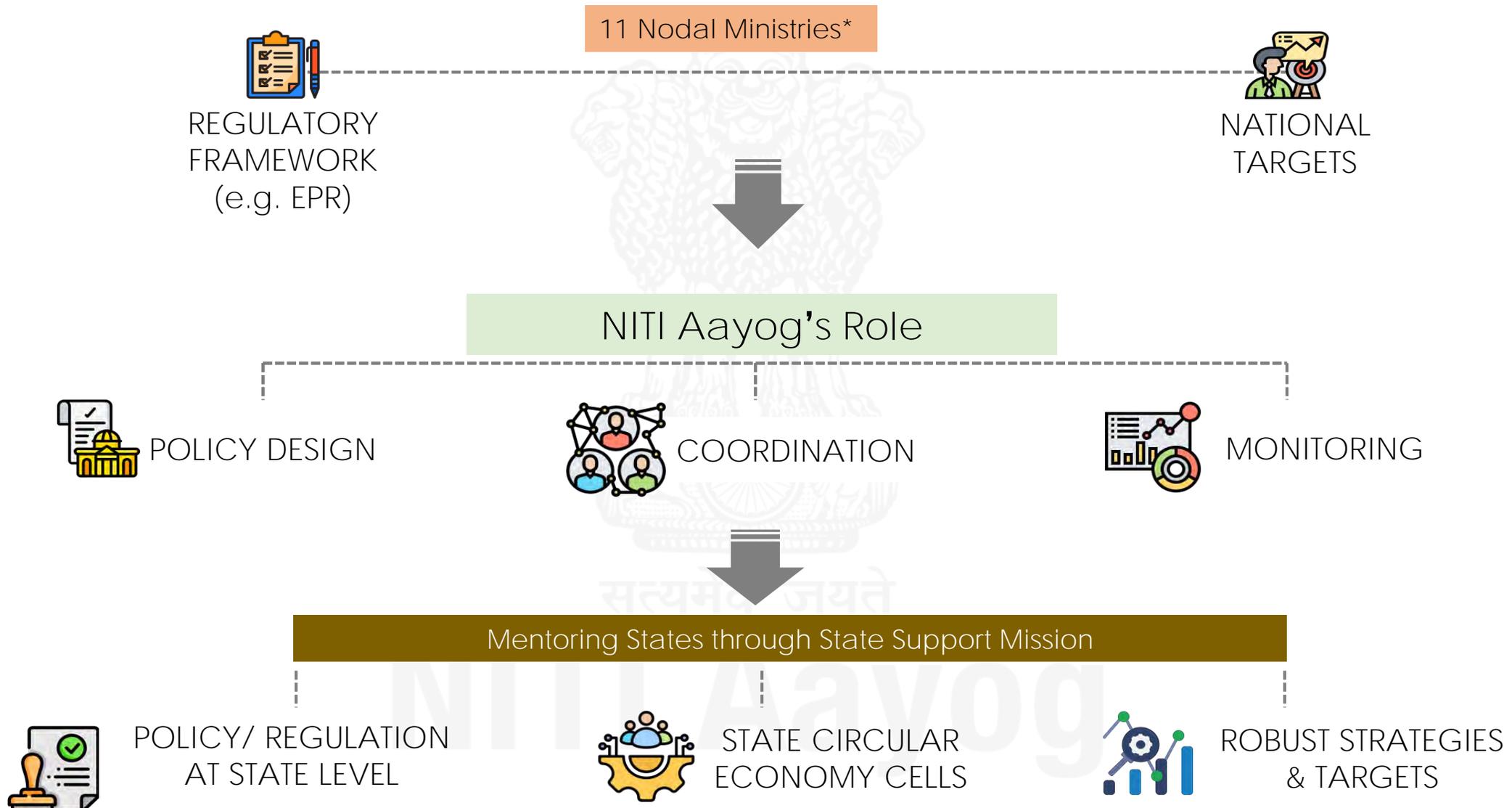
MeITY (Ministry of Electronics and Information Technology)

- Development of technology for material extraction from e-waste
- Transfer of Technology to the informal sector
- Development of clusters for e-waste processing
- Awareness campaigns for safe handling of e-waste

MoRTH (Ministry of Road, Transport and Highways)

- Launch of Vehicle Scrapping Policy for phasing out old End of Life Vehicles (ELVs)
- Financial Incentive Package for State Governments to implement the Policy
- Promotion of scrapping infrastructure- ATs and RVSFs

Institutional structure for CE resting on principles of cooperative federalism





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Way forward

Way Forward for Circular Economy

Circular Economy Mission Dashboard

- Dashboard to monitor the progress in the 11 sectors.
- Embedded integrated knowledge portal to share best practices, national policies, etc.

Cluster approach

Development of clusters and CE parks for promotion of recycling activities in States.

Jan Andolan

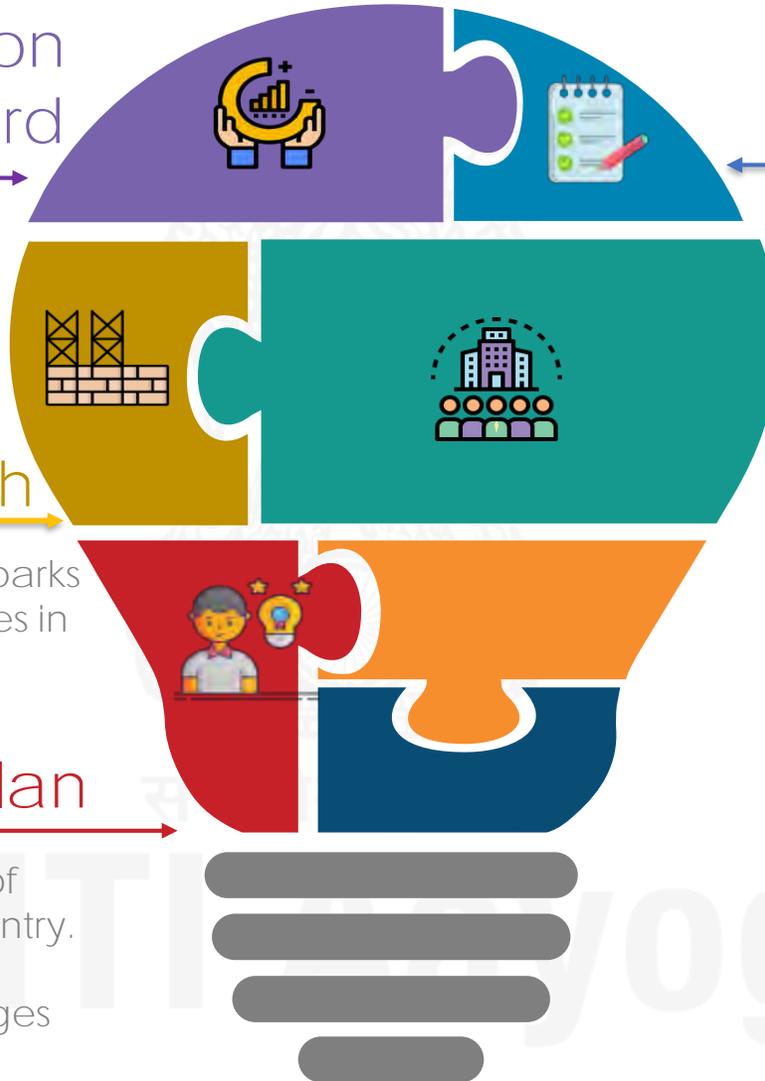
- Building a mass movement of Circular Economy in the country.
- Awareness campaigns for individuals, households, villages and businesses.

EPRs for new waste streams

EPRs being formulated by MoEFCC for other waste streams such as used oil and ELVs

Establishment of State CE Cells

Constitution of State CE Cells for formulation of policies, monitoring targets, and promotion of CE in States





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Thank You