



3R and Circular Economy in Bangladesh (Initiatives, Achievements & Challenges)

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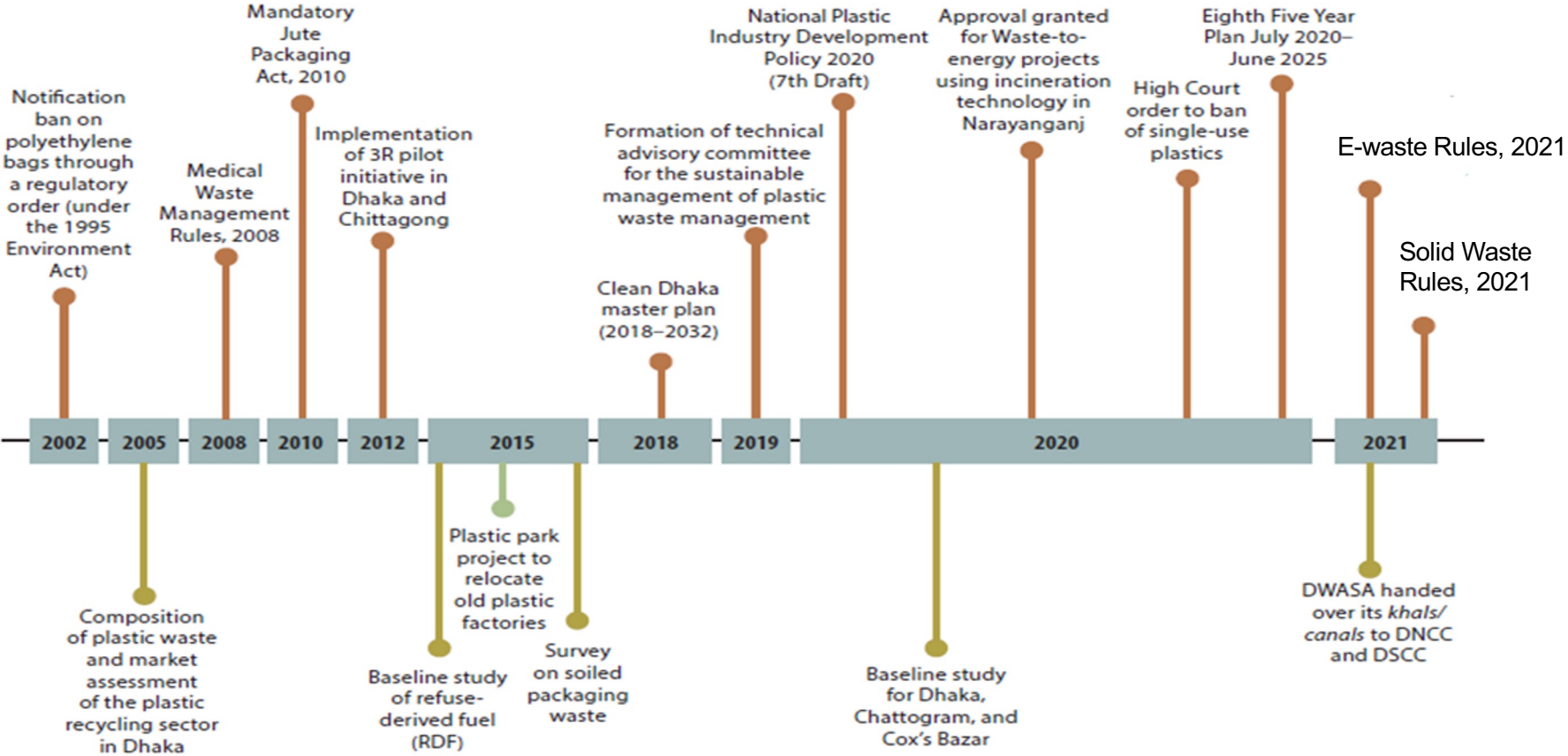
Constitutional Declaration on Protection of the Environment

Article 18A of “The Constitution Of The People’s Republic of Bangladesh” states:-

The State shall endeavor to protect and improve the environment and to preserve and safeguard the natural resources, bio-diversity, wetlands, forests and wild life for the present and future citizens.

Is it possible without sustainable use of resources?

Import Policy order doesn't support waste import (even for recycle/reuse)



Milestones in waste management

Industry and Private Sector Initiatives

□ Plastic Waste Management Initiatives:

- PET bottle recycling programs by brand owners (Coca-Cola, Unilever, PRAN)
- Informal sector contribution to plastic waste collection and recycling

□ Textile and Garment Industry Efforts:

- Circular fashion initiatives (H&M, BGMEA's circularity roadmap)
- Waste-to-textile recycling projects

□ E-waste Management:

- E-waste Management Rules
- Private sector initiatives in collection and recycling

Others Initiatives

Policy and Strategy Framework

- ❑ National 3R Strategy for Waste Management (2010)
- ❑ National Action Plan for Sustainable Plastic Management (2021)
- ❑ Extended Producer Responsibility (EPR) directives (Drafted)
- ❑ Sustainable Public Procurement (SPP) practices (In progress)

Community and Local Government Efforts

- ❑ 3R pilot project (Waste segregation and recycling initiatives in major cities (Dhaka, Chattogram))

TOWARD A MULTISECTORAL ACTION PLAN FOR SUSTAINABLE PLASTIC MANAGEMENT IN BANGLADESH

TARGET 1: Achieve a 50 percent reduction in virgin material consumption in plastic manufacturing by 2030 by facilitating circular material flows from the 2020/21 baseline

TARGET 2: Phase out targeted SUP by at least 90 percent by 2026 from the 2020/21 baseline

TARGET 3: Reach a 50 percent plastic waste recycling rate by 2025 and an 80 percent plastic waste recycling rate by 2030 from the 2020/21 baseline

TARGET 4: Achieve a 30 percent reduction in annual plastic waste generation by 2030 from the 2020/21 baseline



Brand owners Proactive Initiatives



Square Group

Pran-RFL
(Biggest Recycler) Nestle-
(Sustainability Program)

Unilever signs research partnership MoU with Buet

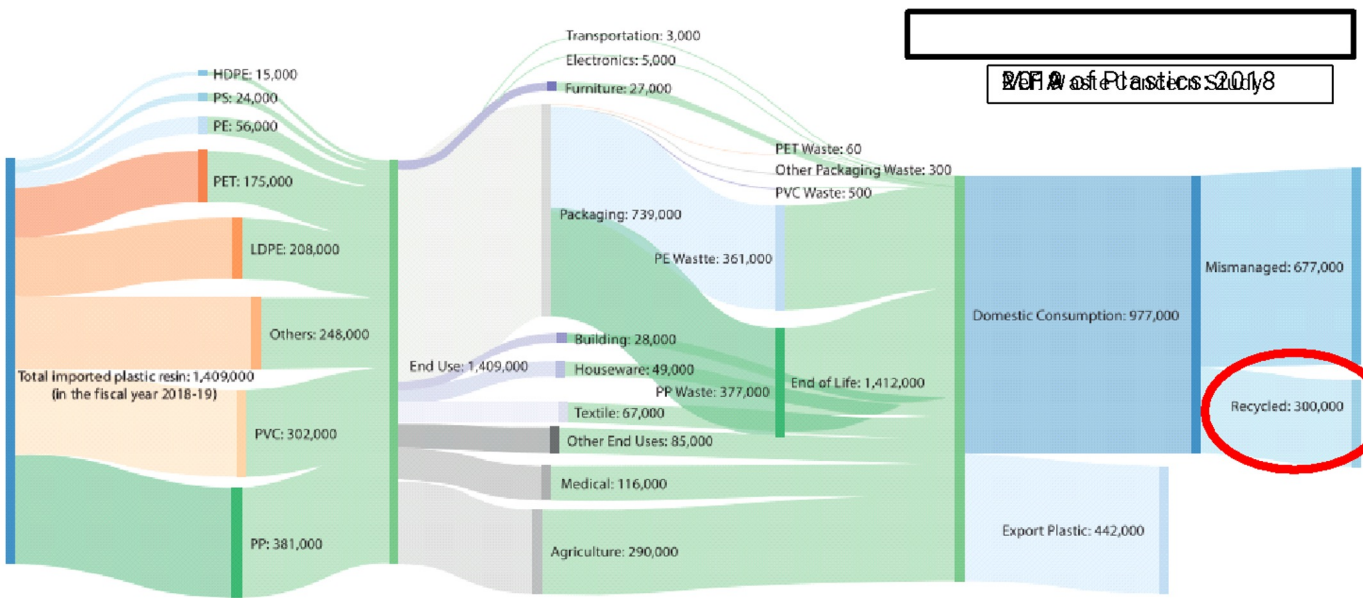


Prof Satya Prasad Majumder, vice-chancellor of the Bangladesh University of Engineering and Technology (Buet), and Zaved Akhtar, CEO and managing director of Unilever Bangladesh Limited, signed a memorandum of understanding on a collaborative journey to promote innovation and research at the Buet's ECE Bhaban in Dhaka yesterday. PHOTO: Unilever Bangladesh

Unilever



Coca-Cola

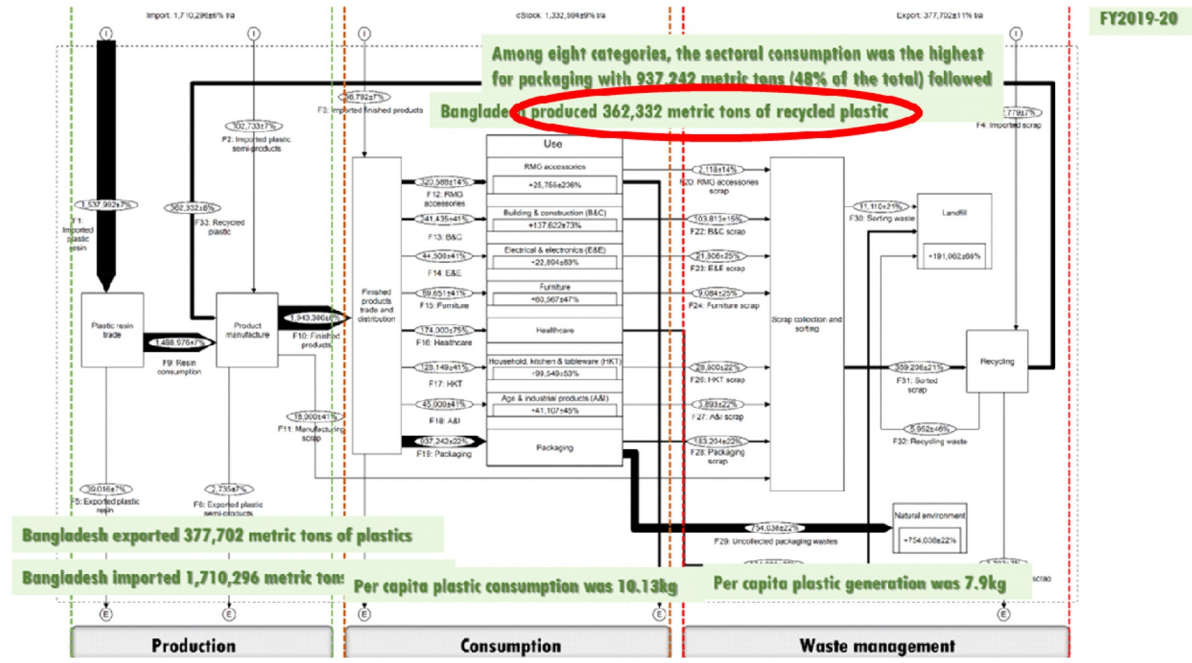


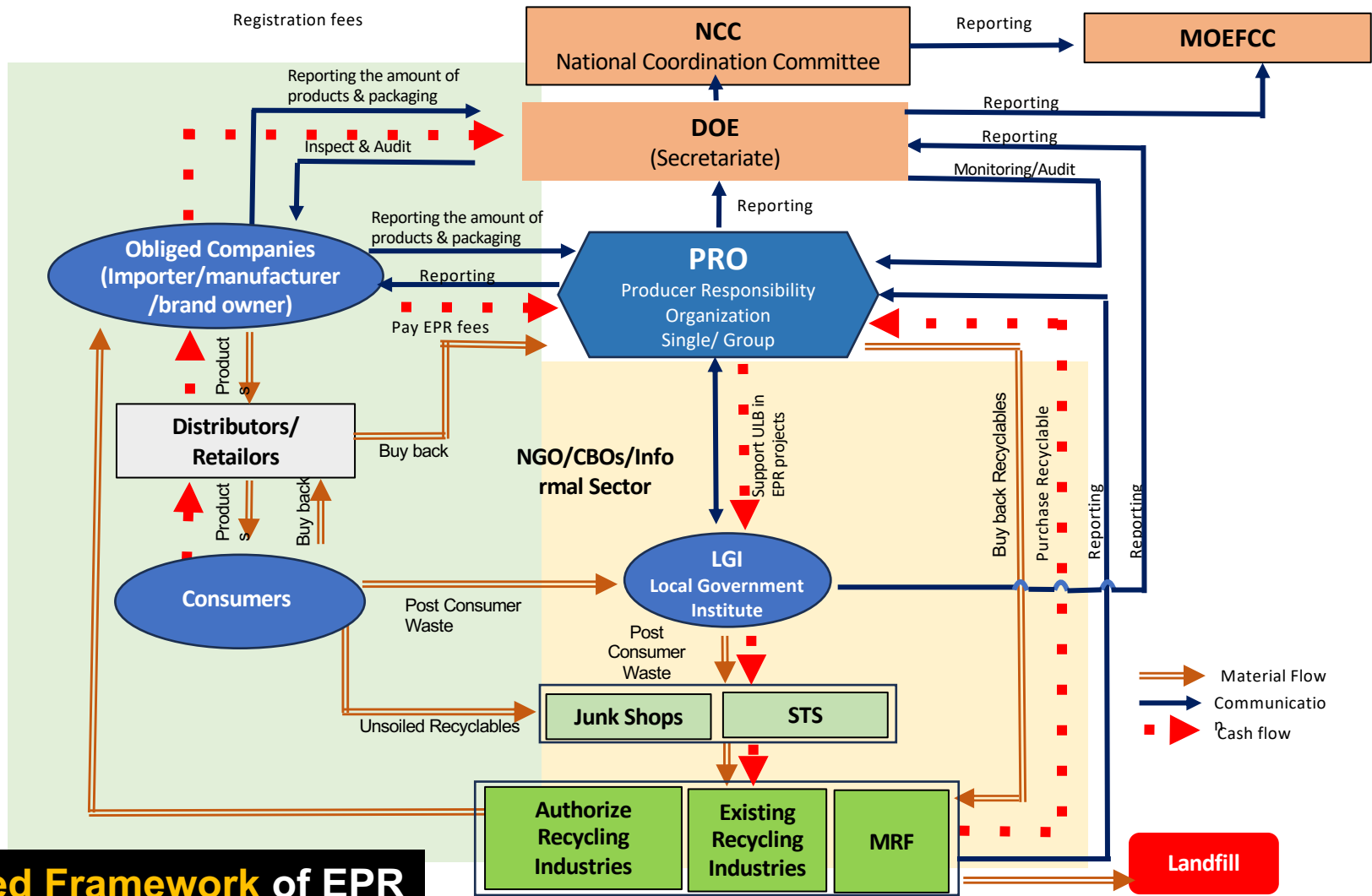
Success

62,332 tons plastic recycling increases within one year.

• **Plastic Recycling Rate:** Around 36% of plastic waste is recycled.

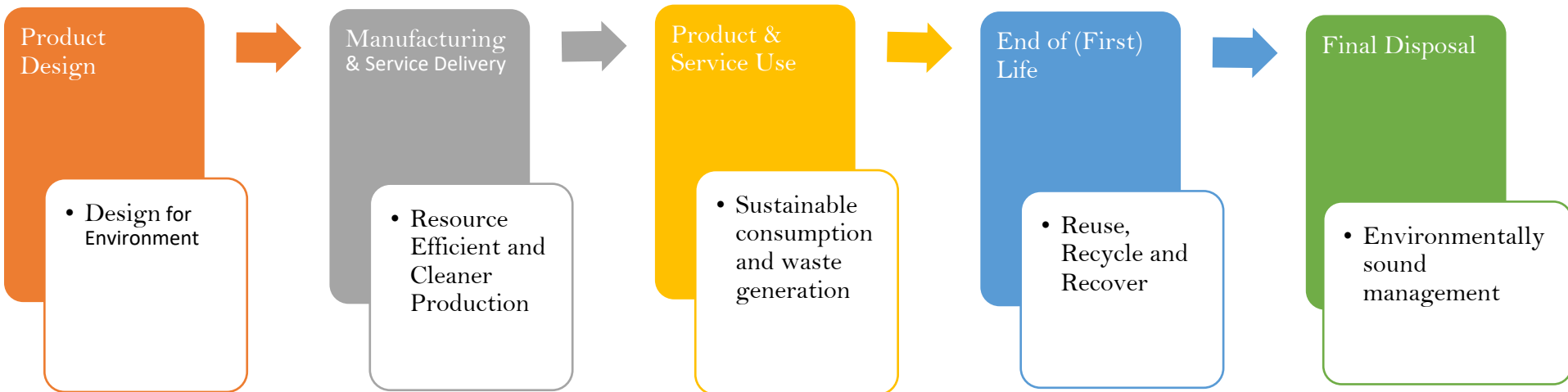
• **Ban on Single-Use Plastics:** Listed 17 items and ban on polythene shopping bags.





Proposed Framework of EPR

Circular Economy Approaches to Litter Prevention



- Refuse
- Reduce
- Reuse
- Recycle
- Recover

5R



- Refuse
- Reduce
- Redesign
- Remove
- Reuse
- Recycle
- Recover

7R

Challenges

- ❑ **Lack of Infrastructure:** Limited waste segregation at source and inadequate recycling facilities.
- ❑ **Informal Sector Dominance:** Over 90% of waste recycling is done by the informal sector without proper regulation.
- ❑ **Weak EPR Implementation:** No mandatory EPR framework yet for e-waste.
- ❑ **Public Awareness:** Low consumer participation in waste segregation and 3R practices.
- ❑ **Financial Constraints:** Limited investment in innovative recycling technologies and circular business models.

Thank You