

# **E-waste Management**

**Insight to the Sector & Regulations**



# Overview of the Sector

- ❶ India generated 1.7 million MT e-waste and is the 5<sup>th</sup> biggest e-waste generator in the world
- ❷ Significantly, majority of the generated e-waste gets treated with very less fraction going into landfill
- ❸ However, over 90% of the treatment happens in informal & unorganized sector, which is a grave concern
- ❹ Channelization of e-waste for recycling is a compliance requirement
- ❺ However, scientific recycling of e-waste is not just a compliance but a necessity





## Highlights of E-waste (Management) Rules, 2016:

- ④ Extended Producer Responsibility (EPR) at the core of the regulation
- ④ Target based approach mandating with 10% e-waste to be channelized for recycling in first year; growing to 70% in seventh year
- ④ More holistic approach towards implementation
- ④ Defines responsibilities of all stakeholders

# Stakeholders Responsibilities

## Producers

- Obtain EPR Authorization from CPCB
- Create Awareness
- Set-up Reverse Logistics Network for collection and channelization of e-waste
- Meet targets
- Maintain Records in Form-2
- File Annual returns in Form-3

## Bulk Consumers

- Channelize e-waste to authorized Recycler/Dismantler
- Maintain Records in Form-2
- File annual returns in Form-3 to State Pollution Control Board

## Collection Centers

- Ensure collection facility is in accordance with the guidelines prescribed by CPCB
- Channelize e-waste to authorized recycler/dismantler
- Maintain Records in Form-2

## Recyclers & Dismantlers

- Ensure processes are in accordance with the guidelines prescribed by CPCB
- Maintain Records in Form-2
- File annual returns in Form-3 to State Pollution Control Board

## Responsibilities of State Government & Local Authorities for effective implementation

- ① Allocate Space for e-waste Dismantling & Recycling
- ① Undertake Skill Development of workers involved in e-waste management
- ① Prepare integrated plan for implementation of provisions & submit annual report to MoEF

*\*Ref. sub-rule 1-3 of rule 12*

# Implementation of the Regulation

- 🌱 E-waste presently managed by Formal sector: ~ **1%**
- 🌱 What Rules envisage in the first year of implementation: **10%**  
(**70% in seven years**)

For effective implementation of regulation and meeting & exceeding above targets, we need

## Training

Skill Development of those working in waste management sector

## Transport

Set-up nation wide reverse logistics infrastructure

## Technology

Deploy environment friendly technology for e-waste management

## E-waste Management

India's first CPCB & MPCB authorized e-waste recycling facility



## Skill Development

Funded partner of NSDC for Skill Development of waste workers



**Skill India**  
कौशल भारत - कुशल भारत

## Reverse Logistics

Setting up Nation wide reverse logistics infrastructure. Eco-Bins for consumer awareness & collection facilitation



## Compliance Assistance

Operating Producer Responsibility Organization for EPR implementation of Producers



*Thank you*

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