



Module 6 –

Compendium of Plastic Waste Management Strategy and Action Plan

Refuse/Reduce/Reuse		
Sector	Supply Side	Demand Side
Technical Advancement/IT-IETC Enabling	Up cycling of products	Design packaging to enable recycling
		Product design for minimised or no additional packaging requirement and to ensure reuse of products
		Substitute plastic components in packaging design
Regulatory/Policy measures	Formulate and enforce green protocol	Implement Extended Producer Responsibility (EPR) initiatives
	Implement ban on SUPs and penalise defaulters	
	Incentivise production of alternate products through allocation of space in SEZs and industrial areas – coordination with industries department	
	Encourage and establish small-scale cottage industries for manufacture of alternative materials:	
	Incorporate provision of preferential procurement for alternative products	
Financial Instruments	Enforce stringent taxation	
	Arrange direct funding for finding new and viable alternative	
IEC/Capacity Building	IEC to prevent littering, open burning and promote use of alternatives	
	Convene retailers through a continuous dialogue process to ensure a complete shift to cloth bags over a period of 2-3 years	
	Assess industry requirements for setting up of alternative product manufacturing units through stakeholder consultation	
	Marketing and promotion of alternative products	

Collection and Transport	
Sector	Supply Side
Infrastructure Provisioning	Distribution of at least 3 bin for wet waste, dry waste and domestic hazardous waste
	Distribution of higher number of bins for segregation of different types of recyclables
	Compartmentalised vehicles to be used for waste collection, Tri-cycle to be used for narrow lanes
	Up gradation of Transfer Stations, Dry Resource Collection Centres (DRCCs) and secondary transport vehicles
	Installation of plastic capturing mesh at the outlet of storm water drain to the lake/water bodies
	Setting up Reverse Vending Machines (RVMs) for streamlined collection and transport of recyclables to registered recyclers
Technical Advancement/IT-IETC Enabling	Digital mapping and route rationalization of SAT vehicles
	Development of database of informal waste collection system
	Establish/Upgradation of Command and Control Centre (CCC)
	Setting up grievance redressal system and its integration with command control centre
	Provide market linkage and facilitate Logistic Service Providers (LSPs) to ensure collection and transport of recyclables to registered recyclers
Institutional	Institutionalise bulk waste generators monitoring cell
Regulatory/Policy measures	Policy amendment on waste storage by bulk generators (bye-law)
	Enforce Extended Producer Responsibility (EPR)
	Ensure segregation of PVC and inert fraction of plastic waste at transfer station and transport to ISWM facility
Financial Measures	Property tax rebate to bulk generators with on-site waste management facility
	Ensure user charges are being paid by generators to SAT workers
IEC/Capacity Building	IEC to promote segregated waste storage
	Capacity building of SAT operators and vigil monitoring, regulation and documentation of waste collection by SAT operators
	Recruitment and capacity building of adequate number of sanitary staff and vigilance team
	Capacity building of ULB officials to conduct waste audit

Recycle and Recovery		
Sector	Supply Side	Demand Side
Infrastructure Provisioning	Setting up Multi-layered Plastic (MLP) processing unit	
	Setting up plastic pelletization units by the ULB in PPP model	
Regulatory/Policy Measures	Preferential procurement of recycled plastic products	Use of green certifications for recycled plastic
	Ensuring distinct demarcation of plastic products in accordance with Plastic Resin Code	
	Ensuring compliance of environmental laws by recycling/ plastic to fuel industries	
	Reprocessing of non-recyclable plastic into fuel is to be ensured with environmental compliance	
	Promote utilisation of plastic waste in road construction or other construction activity	
	Ensure only non-recyclable plastic waste is sent for co-processing	

Institutional Strengthening
Supply Side
Sufficient sanitary staff for GHMC to ensure efficient plastic waste collection
Sufficient number of SAT vehicles to ensure 100% doorstep waste collection on daily basis
Capacity development and empowerment of vigilance team of GHMC
Immediate response to grievances
SAT operator management
Bulk waste management
Ensure designated user charges are paid by generators to SAT workers
Ensure spot fines and environmental compensations are collected from defaulters
Ensure scheme is in place to register waste dealers (Solid Waste Management Policy and Strategy, Telangana State)
Ensure no environmental damage while undertaking PWM activities
Plastic Waste Management Rules, 2016
Promote Corporate Social Responsibility (CSR) Programs
Form committee for co-ordination of activities between ULB, State Industrial Department and State Pollution Control Board (SPCB) regarding plastic and other waste management
Collation and Integration of plastic data available with various governing and certification institutions