

Guideline For Construction And Solid Waste Management

Objective of the Guidelines:

The objective of these guidelines is to ensure responsible and effective management of construction waste generated during agricultural projects. Proper waste handling and disposal practices are essential to minimize environmental impact and promote sustainable farming practices.

Scope and Coverage:

These guidelines apply to all construction activities carried out as part of agricultural projects, including but not limited to building infrastructure, setting up irrigation systems, and land development.

- Interface with the Following Components:
- These guidelines interface with:
- Productivity Enhancement
- Strengthening Ecosystems
- Promoting Innovations

Regulatory Applicability:

Applicable regulations include:

- Solid Waste Management Rules, 2016: Regulations governing the management, handling, and disposal of solid waste generated from construction activities.
- Local Environmental Regulations: Any additional regulations specific to the project location.
- Identification of Waste Generation:
- Identify the types of waste generated by project activities and estimate quantities based on usage rates and project phases.
- Categorize waste sources within the project area, including construction sites, agricultural fields, processing units, and Fish Landing Stations.
- Possibility to Impact:
- The potential impacts of improper waste management include:
- Plastic Waste from Soil Sample Collection:
- Visual pollution, littering of agricultural areas, accumulation of non-biodegradable waste in soil and water bodies.
- Gypsum Waste from Soil Amendments:
- Accumulation of solid debris, potential human health impacts, disposal challenges.
- Crop Residue Mismanagement:
- Unsightly accumulation in fields, hindrance to subsequent agricultural activities, environmental cleanliness.
- Waste from Damaged Pipes in Conjunctive Water Use:
- Solid waste buildup, need for additional resources for collection and disposal, potential trip or injury hazards in agricultural settings.
- Waste from seed transportation:
- To improve genetic potential of available fish seeds. These seed shall be produced other state or sources which may cause the waste generation of Bio mass.

Protection Measures:

- Plastic Waste from Soil Sample Collection:
 - Use biodegradable or recyclable bags for soil samples.
 - Train workers on proper disposal methods and recycling practices.
- Gypsum Waste from Soil Amendments:
 - Store and handle gypsum in contained areas to prevent exposure.
 - Use bags or containers for gypsum transport and application.
- Crop Residue Mismanagement:
 - Promote composting or mulching of crop residues.
 - Establish collection and disposal systems for crop residues.
- Waste from Damaged Pipes in Conjunctive Water Use:
 - Conduct regular inspections to identify and repair damaged pipes.
 - Implement a recycling system for damaged irrigation materials.
- Waste from seed transportation:
 - Establish composting pits for organic waste. Composting can convert organic waste into nutrient-rich compost for agricultural use.

Guidelines for Waste Segregation and Disposal:

Waste Segregation Checklist Form:

Date: _____

Location/Project Area: _____

Waste Type	Segregated Bin/Container	Quantity (if applicable)	Remarks/Notes
Concrete rubble	<input type="checkbox"/> Recyclable	_____	
	<input type="checkbox"/> Non-recyclable	_____	
Bricks	<input type="checkbox"/> Recyclable	_____	
	<input type="checkbox"/> Non-recyclable	_____	
Packaging materials (e.g., plastic, cardboard)	<input type="checkbox"/> Recyclable	_____	
	<input type="checkbox"/> Non-recyclable	_____	
Wood scraps	<input type="checkbox"/> Recyclable	_____	
	<input type="checkbox"/> Non-recyclable	_____	
Other (specify)	<input type="checkbox"/> Recyclable	_____	
	<input type="checkbox"/> Non-recyclable	_____	

Waste Disposal Record

Date: _____	Type of Waste: _____	Disposal Method: _____ _____	Disposal Site: _____ _____
_____ _____	_____ _____	_____ _____ _____	_____ _____
_____ _____	_____ _____	_____ _____ _____	_____ _____
_____ _____	_____ _____	_____ _____ _____	_____ _____
_____ _____	_____ _____	_____ _____ _____	_____ _____