

Guideline For Resource Conservation Plan

Objective:

To conserve and manage key resources like soil, water, and crop residues effectively to protect the environment and support sustainable farming practices.

Scope:

These guidelines cover practical steps for conserving resources such as soil productivity, soil amendments, crop residue management, micro-watershed conservation, and water usage.

Interface with Activities:

- Soil Productivity (Plastic Waste):
 - Activity: Collecting soil samples.
 - Conservation: Use reusable bags for soil samples to reduce plastic waste.
- Soil Amendments (Gypsum):
 - Activity: Applying gypsum to soil.
 - Conservation: Get gypsum directly from mines to avoid contaminants.
- Crop Residue Management (CRM):
 - Activity: Dealing with crop leftovers.
 - Conservation: Avoid burning residues; instead, use them to enrich soil.
- Micro Watershed Approach:
 - Activity: Protecting local water sources.
 - Conservation: Capture rainwater and plant trees to conserve water.
- Utilization of Water:
 - Activity: Using water for processing.
 - Conservation: Contractor will install systems to recycle water and reduce waste.

Regulatory Guidance:

Follow local laws for responsible resource management and environmental protection.

Potential Impacts:

- Plastic Waste: Can harm soil and wildlife.
- Gypsum Contaminants: May pollute soil and water.
- Crop Residue Burning: Harms air quality and soil health.
- Water Misuse: Depletes local resources and disrupts ecosystems.
- Practical Protection Measures:
 - Soil Productivity (Plastic Waste):
 - Use reusable bags for soil samples.

- Soil Amendments (Gypsum):
- Source gypsum directly from mines.

- Crop Residue Management (CRM):
- Avoid burning crop residues; use them to enrich soil.

- Micro Watershed Approach:
- Capture rainwater and plant trees to conserve water.

- Utilization of Water:
- Install water recycling systems and reduce water waste.

Resource Conservation Checklist:

Date: _____

Resource Type: _____

Action Checklist:

- Use reusable bags for soil samples.
- Source gypsum directly from mines.
- Avoid burning crop residues; use for soil enrichment.
- Capture rainwater and plant trees to conserve water.
- Install water recycling systems and reduce water waste.