

UNIT–III: ENVIRONMENTAL MANAGEMENT PLAN

3.2 Environmental Management Plan



3.2-Environmental Management Plan

The Environment Management Plan (EMP) is required to ensure sustainable development in the area surrounding the proposed project. Hence, it needs to be an all encompassive plan for which the industry, Government, Regulating agencies; like Pollution Control Board working in the region and the local residents of the area need to extend their co-operation and contribution. It has been evaluated that the proposed project will have minor impacts on the surrounding areas. Mitigation measures at the source level and an overall Management Plan at the site level are elicited so as to preserve the surrounding environment.

OBJECTIVE OF ENVIRONMENT MANANGEMENT PLAN

The objective of Environment Management Plan is given below:

Mitigation measures for each of the activities causing the environmental impacts.

- Sustainable use of resources used for manufacturing activities which includes optimization of resource consumption.
- Monitoring plans for checking activities and environmental parameters and monitoring responsibilities

- Role responsibilities and resource allocation for monitoring.
- To treat all the pollutants, i.e. effluent, air emission, noise pollution & hazardous waste, that contributes to the degradation of environment, with appropriate technology.
- To comply with all the regulations stipulated by central/state pollution control boards related to air emission control and liquid effluents discharge as per Air & water pollution control laws.
- To handle and management hazardous waste storage and disposal as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
- To encourage, support and conduct development work for achieving environment standards and to improve methods of environment management.
- To promote further forestation in the surrounding areas of the plant.
- To create good environment (devoid of air & noise pollution) for employees.
- To reduce fire and accidental hazards.
- Perspective budgeting and allocation of funds for environment management expenditure.
- Continuous development and search for innovative technologies for better environment.
- To adopt cleaner production technology.

An Environmental Management Plan (EMP) describes the processes that an organization will follow to maximize its compliance and minimize harm to the environment. This plan also helps an organization map its progress toward achieving continual improvements.

Environmental plans may include the following elements:

- Policy
 - Planning
 - Implementation and Operation
 - Checking and Corrective Action
 - Management Review and Commitment to Improvement
- Details on each of these elements follow.

1. Policy

Policy statements are important to an organization because they help anchor the organization on a core set of beliefs. These environmental guiding principles keep all members of an organization pointed toward the same objective. They provide an opportunity for outside interests to understand the focus of the organization and what it stands for. These policy statements do not need to be long. In fact, it is often more preferable to keep the policy concise and focused so it is easy to read and becomes an effective tool in understanding the organization's commitment. When properly developed, an environmental policy should commit the organization to:

- Compliance with legal requirements and voluntary commitments.
- Minimizing waste and preventing pollution.

- Continual improvement in environmental performance, including areas not subject to regulations.
- Sharing information on environmental performance with the community.

2. Planning

The planning portion of the EMP is intended to help an organization define its environmental footprint and then set environmental goals. Goals and objectives should focus on maximizing the organization's positive impact on the environment.

3. Implementation and Operation

A key portion of the EMP is how it defines the activities the organization will perform to meet its environmental objectives and targets. This section should identify specific tasks each person is responsible for, ensure task completion and set targets and deadlines for each of the identified activities. In addition, this area should specify the employee training, communication and outreach activities that are necessary to ensure successful implementation of the plan.

4. Checking and Corrective Action

The EMP should describe the process that will be followed to verify that the plan is being properly implemented and describe how implementation problems will be corrected in a timely manner. Routine evaluation and continual improvement to the process is necessary to make sure that the plan successfully leads the organization toward completion of environmental objectives and targets.

5. Management Review and Commitment to Improvement

Routine management review and support is a necessary and meaningful tool for the organization. This section should identify the routine management evaluations that will be conducted to ensure that the plan is appropriate and effectively implemented and helps the organization meet its environmental objectives.

