

A Qualitative and Quantitative Analysis of Environment Management Systems across Manufacturing Industries in Tamilnadu

ABSTRACT

Environment Management Systems (EMS) are structured to guide organizations to understand, monitor and manage their impact on the environment, and improve environmental performance caused by their end products, activities and services. Every organization must have an EMS in place not only to ensure it functions in line with environmental policies meeting all the statutory compliances, but also, strives towards achieving environmental sustainability. Industries are bound to cause a huge impact on the environment through their daily activities. The more the industries utilize natural resources, the more they must be responsible towards reducing pollution, minimizing waste and raw material usage. The study plans to analyze and discuss the policy instruments available for environmental governance in our country. We also plan to carry out a comparative analysis on the environmental initiatives taken by manufacturing industries.

The study aims to develop a model with indicators majorly on the following themes:

- i) resource management and pollution control initiatives taken by the industries
- ii) legal and regulatory compliance followed by the industries
- iii) environment policy and planning initiatives taken by the industry

The study will further quantify the environmental performance by assessing using a Likert – scale. Further, it aims to develop an Environment Performance Index to evaluate the performance of industries in accordance with major environmental compliances.

This study will enlighten the current environmental management system trends that are in practice across the manufacturing industries. Using the evaluations done, the study will come up with a strategic approach, areas of improvement and new opportunities for different stakeholders for an efficient implementation of the Environment Management System.