

University Grants Commission of Bangladesh
Post-graduate Research Project
Development of Research Facilities on Industrial Waste Management and Process Efficiency-Leading to Clean Environment

Introduction

In Bangladesh, a lot of industrial development and other development activities without considering the environmental impacts and their subsequent mitigation is a major problem in addition to the environmental problems associated with natural resources in the country. It is necessary to introduce strict industrial management for a clean environment. The development of industrial waste management and process efficiency is two year the strategy for the economic development of the country. In order to do this, it is prime need to conduct highly technical, innovative and demand based research to develop appropriate technologies and environmental management issues for the sustainable industrial development with maximum efficiency.



Plate: Some Contamination Features for Industrial Activities

With the aim of developing modern and appropriate research facilities to conduct research that has national importance which will enhance the capabilities of environmental management research in industrial sector of the country and of industrial process efficiency. Under the industrial management and process efficiency research program, post-graduate student will be encouraged to conduct research to partially fulfill their degree requirements. The program, the research and teaching capacity of faculty members will be increased by capacity development and training abroad.

Objectives

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Improvement of existing Environmental Research Laboratory to conduct innovative and demand based research.	Professional development of research staff with latest research facilities.	Formulation of innovative industrial waste management and process efficiency research program to enhance process efficiency and waste minimization.	Conducting of research and capacity development in industrial waste management that will enhance the capabilities of environmental management of the country.

Major Activities

- The activities which will be succeeded the project objectives are:
- Procurement of supplies including computer facilities.
 - Purchase of Laboratory Equipments and testing and commissioning.
 - Capacity development of staff international national training and study tour.
 - Launching some research demand based on industrial waste management and process efficiency.
 - Offering training program to enhance industrial waste management and process efficiency for high income industries.
 - Conducting workshop on research facilities and staff training.

Outcome of the Project

- After the successful completion of the project, the following findings will be achieved:
- ✓ the partial fulfillment of the industrial sector for the minimization of production by mainly minimizing waste and waste management.
 - ✓ the developed research for the post-graduate students who will involve them in this initiative and will be in a future part of these industries and other development activities of the country that will benefit the nation.
 - ✓ the enriched university's academic program which will certainly benefit the university in the development of its UG and PG program under which Masters and Ph.D. research will be an outcome.
 - ✓ the embed the graduate students of the minority to conduct research activities with latest developed technology in industrial management.
 - ✓ the cost-effective research facilities in the field and equipment to be developed in the faculty of the university in this field.