

Introduction to Innovative Projects-IIP Group- (2)

Use of Shade Balls for Reservoir Water Quality Management

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Abstract

This project work on the use of shade balls for reservoir water quality management aims to solve a real world problem that is to prevent the contamination of purified water when it is stored in man-made reservoirs. The project deals with the composition and chemical structure of shade balls. Its manufacturing process and an estimate production liability. The process through which the shade balls prevent contamination will also be discussed. The suitable areas of its application along with a comparative view of existing techniques is one of the key points to be looked on. Overall, the newness and effectiveness of this particular idea and its advantages will also be a vital part of this project work.

Introduction

Fresh drinking water is not available in abundance in the world; hence the use of filtration and purification of saline water comes into play. Saline water when filtered is virtually harmless but when it is stored in reservoirs and other water storage containers, it becomes dangerous for consumption defeating the purpose of filtration and purification procedures. To overcome this real-world scenario, we will identify and state the reason for the contamination and also use a cheap, long lasting and cost-effective technique to avoid and minimize the contamination of the stored water.