

A Project Report

On

**“PERFORMANCE EVALUATION AND RECLAMATION STUDIES
OF THE SEWAGETREATMENT PLANT, RAMANAGARA”**

**SPONSERED BY
KARNATAKA STATE COUNCIL FOR SCIENCE & TECHNOLOGY (KSCST)
BANGALORE**

Submitted to

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belgaum,
in partial fulfilment of the requirement for degree of
BACHELOR IN CIVIL ENGINEERING**



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SYNOPSIS



A wastewater treatment plant is an important part of any water supply management scheme. Our project deals with “performance and reclamation studies of waste water treatment plant situated at Ramanagara.

The cities have become the centres of population growth and require three essential service viz , water supply , sewage collection and treatment and solid waste collection and disposal. The tremendous increase in population accelerates the amount of solid waste (MSW) generated as one of the essential municipal services, to protect the environment , safe guard public health service and improve productivity.

The increase the level of solid waste, now a days, a serious problem in urban areas, with a aim of knowing the status of solid waste management in Ramanagara city, an urban area of Karnataka state has been selected. The present study was carried in Ramanagara city is the district head quarter. It is situated on Bangalore-Mysore state highway (S.H-17) with both road and railway convenience and it is at the distance of a 50 kms from Bangalore city. The city have a population of 79, 382 in 2001 and 1,03,850 in 2011 as per census record.

The two important parameters based on which the performance is evaluated are BOD and Suspended solids. Tests were conducted for a period of three months (90 days) for determining various parameters.

The performance of plant was conducted by comparing the obtained values with design values as suggested at the time of design of the plant.

The tests that were conducted by us gave satisfactory results, which in turn prove that the plant is functioning satisfactorily.

