

DESIGN OF A SEWERAGE TREATMENT PLANT

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ABSTRACT

This entire project work deals with access rod, piping and access for maintenance. Civil aspect and sizing of this whole treatment plant is designed in accordance with MS 1228:1991. This treatment plant will be of sequencing batch reactor type for catering population equivalent of 10,000.

The SBR is a fill-and-draw biological sludge system for sewage treatment. In this system, wastewater is added to a single batch reactor, treated to remove undesirable components, and then, discharged, in this project, a global model of a SBR is presented to allocate and optimize operational strategies. Besides SBR, procedures and functions of every single individual process are shown explicitly.