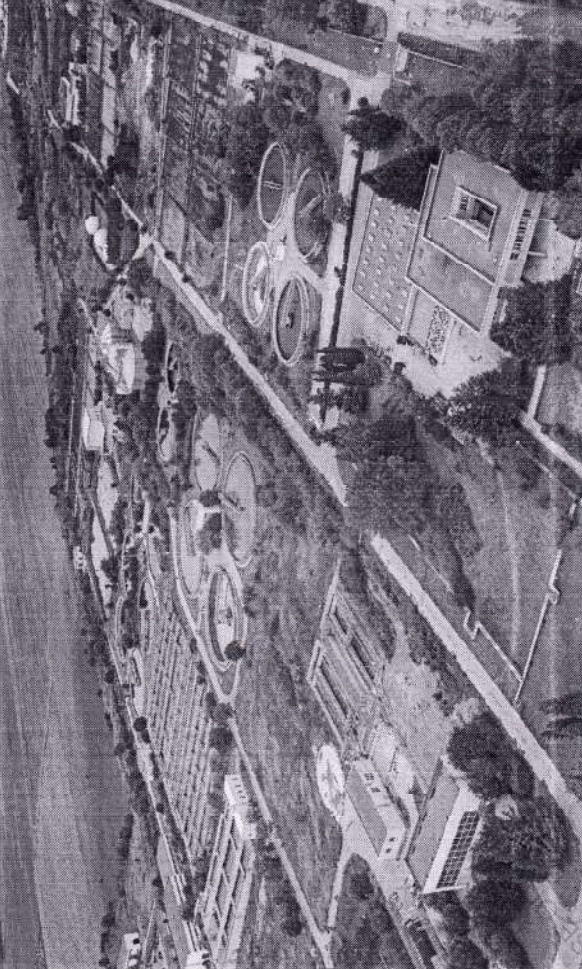


Sewage is the wastewater generated by the community of human beings. Around 70 % of freshwater consumption is converting into wastewater. Wastewater is contaminated by domestic, industrial and commercial use that changes its parameters continuously such as COD, BOD, pH, harness, TSS, etc. Water scarcity is a big challenge to fulfill the per capita demand of the city. Hence there is an urgent need to treat the wastewater and utilize it effectively so that the demand for water can be full fill. It is observed that 99% of water is characterized by the rate of flow of its biological, chemical, and physical factors (BOD, COD, pH, TDS, TSS). Membrane bioreactors (MBRs) are a promising process combination of activated sludge treatment and membrane filtration for biomass reduction retention. MBR is the emerging treatment technology that was implemented to treat sewage wastewater and reuse the water for various purposes like gardening, toilet flushing, farming, etc. The design of the sewage treatment plant was carried out for Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar, (M.S), India. MBR technology was implemented successfully for Imagica water park Khopoli, Maharashtra.



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DESIGN & ANALYSIS OF SEWAGE TREATMENT PLANT

DESIGN & ANALYSIS OF SEWAGE TREATMENT PLANT
BY USING MEMBRANE BIO-REACTOR [MBR]
RECYCLING

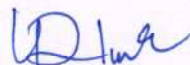
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Cover image: www.ingimage.com

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17 Meldrum Street, Beau Bassin 71504, Mauritius

Printed at: see last page

ISBN: 978-620-3-57968-0

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