

Microbial culture– for improved efficiency of existing wastewater treatment system

Improvement in treatment efficiency of any biological sewage treatment system. Quality of wastewater to be treated and can be considered under environmental aspects. Major raw materials to be utilized is microbial culture and immobilization material. The system is cheaper and makes the system more efficient. Cost effective as the treatment time reduces.



IPR Status:Know-how

Benefits:

- Reduces the wetland treatment time for the sewage
- Improves the efficiency of the wetland treatment system
- Reduce the minimum space requirement for the wetland construction
- Use of Culture in the form of biofilm protects the bacteria in the inner part of the biofilm from toxic compounds in the sewage and also increases its survival during influx of such toxic substances and also during the periods of shock loads.
- Eliminate the requirement of frequent addition of the microbial culture and therefore cost

Salient features:

Unique aerobic microbial culture

Estimated cost: Approximate Rs 60,000/- per MLD of sewage

Awards/Recognition