Modular Unit to improve efficiency of existing biological treatment units

Title of Product/Design/Equipment	Modular Unit to improve efficiency of existing biological treatment units
IPR Status Patent/Copyright/Trademark Secured in India/Abroad IPR Details	To be patented
Application/Uses	To enhance the performance of ASP, SBR and anaerobic process with respect to treatment efficiency Low retention time Removes color and salts effectively Breakdown complex organics and priority pollutants effectively
Salient Technical Features including Competing Features	In situ application with biological unit operation either in aerobic, anoxic and anaerobic mode of operation Potable and modular design Removes salts and complex organics
Technology Readiness Level (TRL) on 1-9 (Level/Scale of Development)	TRL-7
Implementation Status and scale of implementation	Implemented to lab scale ASP, SBR and anaerobic systems (100 liters) for treating complex wastewaters
Status of Commercialization	--
Major Raw Materials to be Utilized	Industrial and domestic wastewater with low biodegradability (BOD/COD > 0.3) and high salt concentration
Major Plant Equipment and Machinery Required	Module cost and number will depend on the wastewater characteristics and volume of wastewater
Techno-Economics and Competitiveness	Competing technology is not available in the market
Technology Package	Integrated to existing ETPs or designed in situ with the new ETPs Customized designed based on quality and quantity of wastewater
Contact Details	Dr S Venkata Mohan, EEFF Division, CSIR-IICT

Photograph	

For further information please contact

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