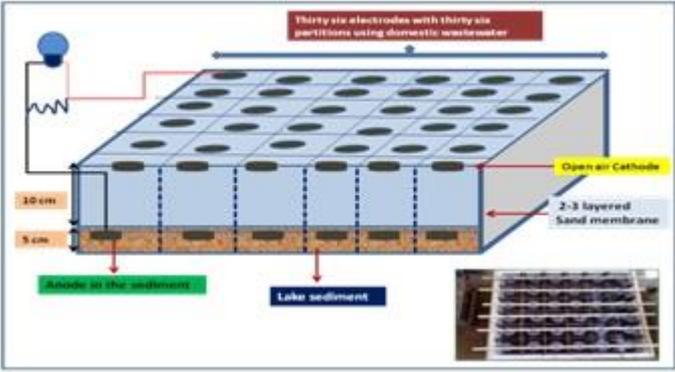


Bioelectrochemical Treatment System for effective treatment of complex wastewater

Title of Product/Design/Equipment	Bioelectrochemical Treatment System for effective treatment of complex wastewater
IPR Status Patent/Copyright/Trademark Secured in India/Abroad IPR Details	Patent- 278/DEL/2014 dated 30-01-2014 (India) S. Venkata Mohan, Lenin Babu, G.Velvizhi, R.K. Goud, Y.V. Swamy, 2014, A Novel Multi-electrode membrane-less bio-catalyzed fuel cell for bioelectricity production from wastewater treatment
Application/Uses	For the treatment of complex and low biodegradable wastewater
Salient Technical Features including Competing Features	<ul style="list-style-type: none"> To remediate different types of wastewater To effectively degrade complex organics and priority pollutants Works with low biodegradable and hypersaline wastewaters effectively Remove salts and colour effectively Reduce toxicity levels No energy input Low in operation and maintenance Can be used standalone unit operation Can be used as main unit in existing and new ETPs
Technology Readiness Level (TRL) on 1-9 (Level/Scale of Development)	TRL-7
Implementation Status and scale of implementation	Pilot scale (100 liters)
Status of Commercialization	--
Major Raw Materials to be Utilized	Wastewater with high COD and TDS concentrations with low biodegradability
Major Plant Equipment and Machinery Required	Civil construction, electrodes, aerators, pumps, etc.
Techno-Economics and Competitiveness	Competing technology is not available in the market
Technology Package	<p>Full Scale design either integrated with total ETP or work as standalone treatment</p> <p>Existing biological process in ETP can be upgraded with this</p>

	technology
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Photograph	

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