

A system for safe and eco-friendly wastewater treatment

Joy Manglani

Only Nature Endures, India

The system for treatment using wastewater and unutilized solar energy as resources is to produce vegetation (say grass) and clean water. The system is occupationally safe and eco-friendly. Wherein there is no bad odor, no mosquitoes, no color in the said clean water. It helps recycling of material and energy; enhancement of environment, energy conservation, enhancement of air, soil, water, plants and animals feeding on these plants, bio-energy generation, reduction in global warming and climate change, development of havens for wildlife including

flora and fauna, enhanced quantity, quality and distribution of rainfall, enhanced dissolved oxygen in water, watershed development, enhanced aquaculture and fisheries development and flood control. The treatment primarily includes a collection and seeding tank (CST) for pre-treatment, a sieve cage (SC) to sieve out plastic bags and other solids, a solar bio-reactor (SBR) for further treatment, a cleaner water tank from where treated clean water is pumped out for usage.