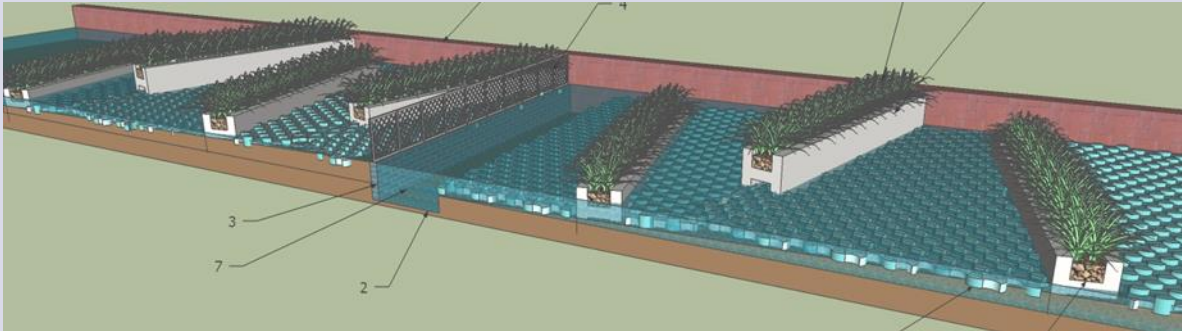


## System for aeration and separation of contaminants from flowing water



An innovative building structure for waste water treatment. The structure comprises of H block walls, step type & damroo shape paving block flooring, baffle wall and trenches placed at an interval to treat the waste water using aeration. It separates the waste material.

### USP & Competitive advantages of technology

- Increase in water oxygen level
- Reduced cost on installation of sewage treatment plant and river cleaning expenses
- Maintains Ph level and reduces percentage of carbon dioxide, hydrogen sulphide and other gases dissolved in water
- Environment friendly structure
- Provides utmost aeration using natural energy, baffles and plantation on paving blocks within minimum distance
- Beneficial for river rejuvenation
- Reduces the flood risk
- Enhances water percolation through the paving block flooring
- Reduces contamination of soil, duckweeds, unwanted weeds, and waste like plastic, tin cans, bottles, ropes etc. from flowing freely in the water

**Development Status:** Prototype is ready

**IP Status:** Patent protected technology

Seeking partner for licensing the technology

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i-TTO, a regional tech transfer office established at FITT with support from NBM, BIRAC

