

# LOTUS-HR

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## **Local Treatment of Urban Sewage streams for Healthy Reuse (LOTUS-HR) program**

**Source:** *Press Information Bureau*

Union Minister for Science & Technology launched the second phase of the **Local Treatment of Urban Sewage streams for Healthy Reuse (LOTUS-HR) program** during the visit of the visit of His Majesty King Willem-Alexander and Her Majesty, Queen Maxima of the Kingdom of the Netherlands

### **Key Highlights**

- The project was initiated in July 2017 and aims to demonstrate a novel holistic (waste) water management approach that will produce clean water which can be reused for various purposes.
- The LOTUS-HR project is **jointly supported by Department of Biotechnology, Ministry of Science and Technology, Government of India and Netherlands Organization for Scientific Research /STW, Government of Netherlands.**
- The innovative pilot scale modular plant upon commissioning will treat 10,000 L sewage water per day and will showcase a self-sustaining model for the end-user.
- This pilot scale facility will employ multiple technologies so that the data generated at the pilot-scale becomes a tool-box of treatment technologies for replication at other sites in Delhi as well as other parts of India where similar drains exist.
- The rationale is that the mixing and matching of technologies from this tool-box will depend on the quantity (flow rate) and quality (pollutant load) of drain water, land availability, site accessibility as

well as topography.

- Indian companies are contributing to the project by sharing their existing technologies and will showcase how one can treat urban wastewater into clean water for various purposes
- **Wetlab a Design challenge** jointly supported by DBT-BIRAC and Netherlands Enterprise Agency is a novel way of competition which provides a unique learning and networking platform for both Indian and Dutch young professionals and students to think differently for innovative ideas to solve India's urban water challenges and contribute to cleaning up India's rivers.
- The intent of Wetlab is focussed on making best ideas becoming an input for the realisation of the Water Experience Center that may further lead to turning the project site into an attractive center for education and technology demonstration for students, young professionals and creating opportunities for startups.
- **The Indo-Dutch collaboration aims to pave new ways to create techno entrepreneurship** and encourage a sustainable business model to convert sewage water into clean water for healthy re-use.