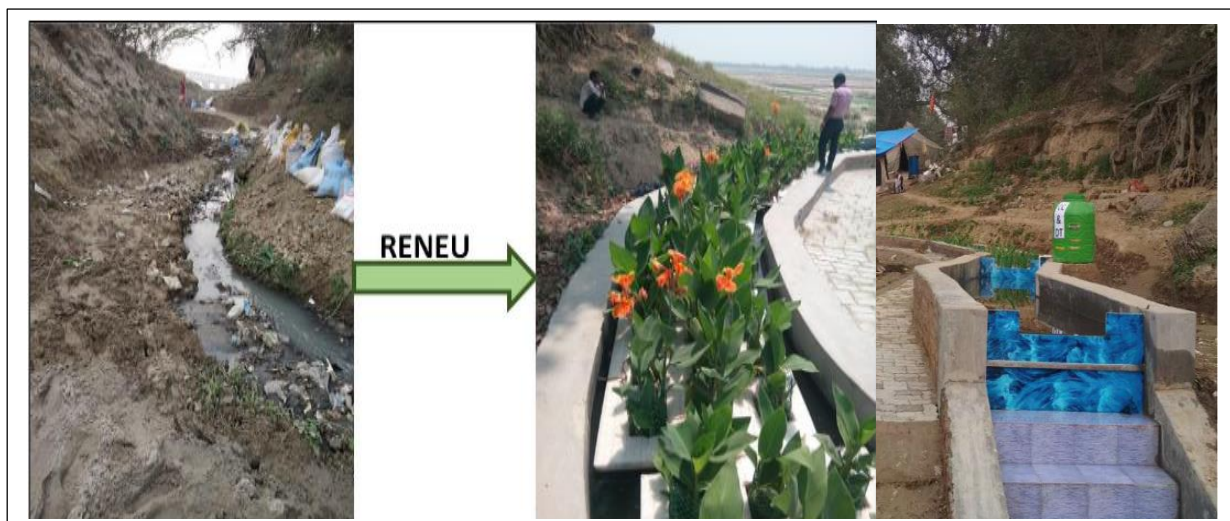


CSIR-NEERI Bags Technology Award



Restoration of Nallahs with Ecological Units (RENEU), a technology developed by CSIR-NEERI, is bestowed with CSIR Technology Award 2020 (CTA-2020). RENEU is different from the conventional sewage treatment plants (STPs), as it treats the flowing wastewater in the drain itself. Besides this uniqueness, RENEU is economical and consumes far less time for construction and operation. It eliminates the need for the construction of piping and pumping networks for taking the sewage to STPs. A team of scientists including Dr. Atya Kapley, Dr. Ritesh Vijay, Er. Hemant Bherwani, Dr. Rita Dhodapkar, Dr. Tuhin Banerjee has developed this technology in the leadership of Dr. Rakesh Kumar, Director, CSIR-NEERI. Er. Moorthy Nair, Er. Saisaurabh Asoria, Er. Narendra Kumar and Er. Shahique are the project assistants who contributed to the development and optimisation of the technology. RENEU was successfully implemented in the drains, meeting River Ganga in Prayagraj, during Kumbh 2019. The treated water from drains was not only visibly clean but also met all the discharge norms set by CPCB and NMCG. RENEU helped in the cleanup of River Ganga during the crucial time of Kumbh when devotees took bath in the holy water of the river. The inset shows the transformation of the drain and shows the clean water discharging into the River. RENEU reduces the odour and mosquito problem near the drain, while promoting biodiversity in the area. RENEU is planned to get implemented in more 100 drains across the country in more than 5 states including but not limited to UP, Bihar, Jharkhand, Maharashtra and Delhi



79th CSIR Foundation Day

★ **CSIR Technology Awards 2020**



Certificate of Merit



**Rakesh Kumar, Atya Kapley, Ritesh Vijay, Hemant Bherwani,
Rita Dhodapkar, Tuhin Banerjee, Saisaurabh Asoria**

**CSIR-National Environmental Engineering Research
Institute, Nagpur**

For Restoration of Nallah with Ecological units (RENU) – It is in situ low cost wastewater treatment technology developed by CSIR-NEERI as an alternative sewage management of domestic waste water.

