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IIT to get wastewater plant as part of EU-Centre project

Sandeep Mishra | TNN

Bhubaneswar: The IIT Bhubaneswar will partner with seven other Indian Institutes and 11 European organizations to carry out research and undertake projects on wastewater treatment.

The objective of the partnership—Saraswati 2.0—is to identify the best technologies available for decentralized wastewater treatment. This would provide solutions to the challenges of water use in both urban and rural areas, sources said. As part of the project, which will be led by IIT Kharagpur, several wastewater treatment plants will be set up by the participating Indian institutes.

The IIT Bhubaneswar will build a pilot plant of 0.1 MLD capacity to treat domestic wastewater in the campus, adjacent to the 0.4 MLD capacity sewage treatment plant of the institute. "The pilot plant will use the upflow anaerobic sludge blanket (UASB) process to treat wastewater, followed by a process of anaerobic ammonia oxidation called Anammox and polishing pond," said institute director R V Rajakumar, adding that Rs 2.49 crore had been sanctioned to the institute for the project.

While three such plants will be set up in IIT Kharagpur, one each will be set up at the partner institutes. Officials said Rs 16.68 crore would be spent on the projects at all seven Indian institutes.

IIT Bhubaneswar administrators said the project had been selected under the EU-India joint call on research and innovation for water — Horizon 2020. It will be funded by the EU and the Centre.



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