

IIT-I conducts e-waste mgmt research with global institutes

Indore: To address the burgeoning environmental risks posed by e-waste, the Indian Institute of Technology (IIT) Indore, in collaboration with international institutions and private sector stakeholders, is exploring the extraction of valuable components from e-waste and their subsequent utilisation for developing sustainable e-waste management practices.

IIT-I is conducting research on forecasting waste generation patterns to comprehend and predict the magnitude of challenges in e-waste. More than 5,000 tonnes of e-waste was collected and recycled in Madhya Pradesh in the financial year 2023-24, according to two prominent e-waste recyclers registered with the Pollution Control Board for operating recycling facilities at Indore, Gwalior, and Bhopal.

To establish an efficacious recycling chain for e-waste, IIT Indore has enlisted national and international research institutes and private sector stakeholders to establish a collaborative platform for advancing research and studies on e-waste management. The institute is preparing to formalise collaborations through Memorandums of Understanding (MOUs) with international institutions to conduct joint research and develop sustainable e-waste management practices. IIT-I is also conducting a comprehensive study on Lithium-Ion Batteries derived from e-waste. TNN