

PARLIAMENT QUESTION: COMMERCIALISATION OF RADIATION-BASED TECHNOLOGIES

Posted On: 02 APR 2026 4:51PM by PIB Delhi

One industrial scale plant has been deployed in cotton textile printing and dyeing industry Jodhpur, Rajasthan for technology demonstration. Till date technology has been transferred to six private entrepreneurs on non- exclusive basis for commercialisation. As a part of transfer of technology (ToT) process, the hands-on-training and technical know-how is provided to the licensees on various aspects of the technology, including fabrication of radiation grafted cartridges, installation, operation and maintenance of the treatment plants, as per the Standard Operation Procedure (SoP). So far, over 30,00,000 L of the coloured dye wastewater has been treated by the industry using the demonstration plant. The treated water has been reused for industrial applications by the same industry.

In order to promote and wider adoption of the radiation-based technology, a 75KLD Test facility, installed and being operated in the industry for demonstration of the technology to industrialists, private entrepreneurs, regulatory agencies – State pollution control boards, and local administration. Furthermore, for the wider dissemination the technology is exhibited to the target industries in various platforms/workshops/outreach programs through working models, audio/video display, posters/brochures and lectures.

The technology has been transferred to private entrepreneurs for commercialisation and deployment. This information was submitted by Union Minister of State for Personnel, Public Grievances and Pensions & Prime Minister's Office , Dr. Jitendra Singh in Rajya Sabha on 2nd April 2026.

NKR/JKP/SG

(Release ID: 2248429) Visitor Counter : 123

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