

India's first indigenous automated biomedical waste treatment plant opens at AIIMS

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Automated biomedical waste treatment rig is named S?janam



Union Minister of Science and Technology Dr Jitendra Singh launched India's first indigenous Automated Bio Medical Waste Treatment Plant at AIIMS New Delhi.

The Automated Biomedical Waste Treatment Rig, named “S?janam,” was officially dedicated to the nation by the Minister at a ceremony held in the AIIMS.

This innovative, environmentally friendly technology, developed by CSIR-NIIST (National Institute for Interdisciplinary Science and Technology), offers a significant advancement in the sustainable management of biomedical waste.

The “S?janam” rig can disinfect pathogenic biomedical waste such as blood, urine, sputum, and laboratory disposables, without the use of costly and energy-intensive incinerators. Additionally, the rig imparts a pleasant fragrance to the otherwise foul-smelling toxic waste. With a daily capacity of 400 kg, the equipment is capable of handling 10 kg of degradable medical waste per day in the initial phase. Once validated, this technology will be ready for full-scale implementation after receiving approval from relevant authorities.

With the growing demand for better waste disposal solutions, the “S?janam” rig offers a safer and more efficient approach, eliminating the risks associated with human exposure to harmful waste and minimising the chances of spills and accidents. The technology has been third-party validated for its antimicrobial action, and studies have shown that the treated material is safer than organic fertilizers like vermicompost.