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Solid Waste Management in Pune: A Review of Practices, Policies, and Progress

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ABSTRACT:

Solid waste management (SWM) has become one of the most pressing urban challenges in India due to rapid urbanization, population growth, and industrial expansion. Pune, the second-largest city in Maharashtra, has demonstrated notable progress in SWM by leveraging community participation, decentralized practices, and policy adherence. This paper examines the solid waste management strategies employed in Pune with reference to the Municipal Solid Wastes (Management and Handling) Rules, 2000 and the updated Solid Waste Management Rules, 2016. The study highlights institutional mechanisms, waste segregation practices, decentralized systems, and challenges, while recommending improvements for sustainable urban waste governance.

Keywords: Municipal Solid Waste (MSW)1; Decentralized Waste Management 2; Segregation at source 3; SWM Rules 4; Waste-to-Energy 5.

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