

Since the launch of SBM(G) Phase II, Ballia has transitioned from a focus on toilet construction (Phase I) to comprehensive Solid and Liquid Waste Management (SLWM).

Establishment of PWM Units (PWMUs): As of early 2026, the district has operationalized central processing units.

First Unit: Established in Sukhpura village (Beruarbari Block).

Second Unit: Established in Malap Harsenpur village (Nagra Block) with an allocation of ₹16 Lakhs.

Village-Level Infrastructure: * Construction of Waste Segregation Sheds across various Gram Panchayats to facilitate door-to-door collection.

Provision of tricycles and collection vehicles to ensure plastic is moved from households to segregation points.

Coverage: 1,822 villages in Ballia have been marked for SWM (Solid Waste Management) arrangements as per the latest SBM-G dashboard data.

2. Challenges Faced

Despite progress, several bottlenecks remain for full saturation:

Logistical Gaps: Transporting low-density plastic waste from remote villages to the central PWMUs in Sukhpura or Nagra remains costly.

Behavioral Change: Inconsistent source segregation at the household level leads to contaminated plastic that is harder to process.

Financial Sustainability: High operational costs for shredding and baling machines compared to the current market value of processed plastic.

Informal Sector Integration: Difficulty in formalizing existing local Kabadiwalas into the government-led PWM framework.

3. Way Forward for Saturation & Forward Linkages

To achieve 100% saturation in all residual blocks:

Residual Block Coverage: Plans are underway to establish mini-collection centers in the remaining blocks to serve as feeder points for the main PWMUs.

Forward Linkages: * Road Construction: Shredded plastic is being linked to the Public Works Department (PWD) for use in bitumen road construction (as per IRC guidelines).

Industrial Tie-ups: Collaborating with cement kilns for the co-processing of non-recyclable plastic (MLPs).

Technology Upgradation: Implementation of baling machines to reduce the volume of waste, making transport to urban Material Recovery Facilities (MRFs) more efficient.

4. Operations & Maintenance (O&M) Arrangement

The O&M for the PWM units in Ballia follows a decentralized model:

Management: Entrusted to Self-Help Groups (SHGs) or the Gram Panchayat (GP) directly.

Revenue Model: Income generated from the sale of processed plastic (shredded/baled) and user charges collected from households is used to cover electricity and labor costs.

Monitoring: The District Panchayat Raj Officer (DPRO) and block-level coordinators conduct monthly audits of the units' functionality.

Note: For official submission, ensure you attach the specific Physical and Financial Achievement table for the current financial year (2025-26) from the SBM-G IMIS portal.