

Bhopal's Remarkable Rise: A Comprehensive Analysis of Swachh Survekshan-2023 Triumph

Bhopal, the capital city of Madhya Pradesh, has recently emerged as a beacon of cleanliness in India, securing the 5th position among cities with a population exceeding 1 lakh in the Swachh Survekshan-2023. This achievement not only marks a significant improvement from its 6th position in 2022 but also grants Bhopal the prestigious 5-star Garbage Free City (GFC) rating, making it the cleanest State capital in the country. In this news analysis, we delve into the various facets that have propelled Bhopal to this remarkable feat, examining the distinctive practices, innovative initiatives, and ongoing projects that set the city apart.



(Source: Jagran Josh)

Distinctive Practices Leading to Success:

1. Commitment to Daily Waste Processing:

Bhopal distinguishes itself by processing its entire daily waste stream of 850 tons, showcasing a robust commitment to daily waste management. This dedication reflects in the city's improved cleanliness ranking and sets a benchmark for other cities.

2. Focus on Scientific Disposal and Waste-to-Wealth:

The Bhopal Municipal Corporation has embraced scientific waste disposal methods and implemented waste-to-wealth projects. These initiatives not only contribute to environmental sustainability but also demonstrate a forward-thinking approach to waste management.

3. Aesthetic Transformation by Eliminating Garbage Vulnerable Points:

Bhopal's Remarkable Rise: A Comprehensive Analysis of Swachh Survekshan-2023 Triumph

The removal of garbage vulnerable points has not only enhanced the aesthetic appeal of the city but also indicates a strategic effort to address potential environmental hazards. This move aligns with Bhopal's commitment to creating a clean and safe urban environment.

Efficient Waste Collection and Segregation:



(Source: PIB)

1. Door-to-Door Garbage Collection:

Bhopal's approach involves the deployment of 469 door-to-door garbage collection vehicles, ensuring the efficient collection of waste from households. This initiative not only facilitates waste management but also promotes community participation in keeping the city clean.

2. Road Sweeping Waste Collection:

To maintain routine cleanliness, 202 road sweeping waste collection vehicles are dedicated to cleaning the city's roads. This dual approach ensures that both residential and public spaces are consistently kept free of litter.

3. Well-Organized Segregation System:

A well-organized segregation system operates at all 12 Transfer Stations in Bhopal, allowing for effective sorting of waste. With 6 Material Recovery Facility (MRF) centers, the city demonstrates a systematic approach to waste processing and recycling.



Transforming Bhanpur Dumpsite:

1. Sustainable Urban Planning:

The transformation of the Bhanpur dumpsite into a green area underscores Bhopal's commitment to sustainable urban planning. Reclaiming 21 acres of land and establishing a park on 16 acres not only mitigates environmental concerns but also creates a positive public space.

2. Reuse of Treated Waste:

Scientific treatment of waste at Bhanpur dumpsite is not only an environmental win but also demonstrates the city's dedication to utilizing treated waste efficiently. This aligns with the broader goal of waste-to-wealth projects.

Innovative Hazardous Waste Management:



Bhopal's Remarkable Rise: A Comprehensive Analysis of Swachh Survekshan-2023 Triumph

Swachh Survekshan awards 2023



Indore and Surat were declared the joint cleanest cities of India as part of the Swachh Survekshan Awards. A look at the highlights

TOP 10 CITIES

Rank Urban local body, State

- 1 Indore, Madhya Pradesh
- 1 Surat, Gujarat
- 3 Navi Mumbai, Maharashtra
- 4 Visakhapatnam, Andhra Pradesh
- 5 Bhopal, Madhya Pradesh
- 6 Vijaywada, Andhra Pradesh
- 7 New Delhi (NDMC), Delhi
- 8 Tirupati, Andhra Pradesh
- 9 Greater Hyderabad, Telangana
- 10 Pune, Maharashtra

BOTTOM 3

Rank ULB, State

- 1 Kolkata, West Bengal
- 2 Asansol, West Bengal
- 3 Haora, West Bengal

TOP STATES

Rank State No of ULBs

- 1 Maharashtra 411
- 2 Madhya Pradesh 378
- 3 Chhattisgarh 169

THE MOST IMPROVED

PANAJI, GOA

Fastest moving city with population of over 100,000

NOWROZABAD, MP

Fastest moving city with population less than 100,000

Bhopal's Remarkable Rise: A Comprehensive Analysis of Swachh Survekshan-2023 Triumph

(Source: Drishti IAS)

1. Shifting from Traditional Waste Treatment:

Bhopal has shifted from traditional waste treatment methods and turned hazardous waste into a valuable source of fuel. Collaborating with Hazargo Industry Pithampur, the city established a preprocessing plant for scientific management of hazardous waste.

2. Bio-Medical Waste Treatment Facility:

The establishment of a common Bio-Medical Waste Treatment Facility (CBMWTF) showcases Bhopal's commitment to the comprehensive handling, transportation, storage, and treatment of medical waste. This initiative aligns with public health and environmental conservation goals.

Construction and Demolition (C&D) Waste Management:

1. Sustainable Processing:

Bhopal manages C&D waste through a 100 TPD processing plant in Thuakheda, demonstrating a sustainable approach to waste utilization. Segregating materials like steel, wood, plastic, and concrete contributes to the creation of fly ash bricks and paver blocks.

Liquid Waste Management:

1. Comprehensive System:

Bhopal boasts a comprehensive system for liquid waste management, featuring 18 sewage treatment plants (STPs) and 8 co-treatment plants. Approximately 31% of treated water is reused in various applications, showcasing the city's commitment to water conservation.

2. Septic Tank Monitoring:

Digital monitoring ensures that almost 29% of available septic tanks are emptied within three years. This technological intervention enhances the efficiency of liquid waste management, contributing to the overall cleanliness of the city.

3. Scientific Landfill and Leachate Treatment:

The establishment of a scientific landfill at Adampur Chawani and a leachate treatment plant for the collected leachate demonstrate Bhopal's commitment to environmentally responsible waste disposal. The treated water is reused for maintaining a green belt, adding an extra layer of sustainability.

Ongoing and Future Initiatives:



(Source: PIB)

1. NTPC Agreement for Municipal Solid Waste:

As part of ongoing projects, the National Thermal Power Corporation Limited (NTPC) has signed an agreement with BMC for setting up a 400 TPD dry Municipal Solid Waste to torrefied charcoal plant. This innovative approach aims to utilize waste as a by-product in thermal power plants, contributing to energy sustainability.

2. Bio-CNG Plant Installation:

Another noteworthy initiative is the installation of a Bio-CNG plant with a daily processing capacity of 400 TPD at Adampur in Bhopal. The plant is expected to yield 80 MT of organic manure per day from wet waste, further promoting sustainable waste management practices.

3. Continued Commitment to a Garbage-Free City:

Bhopal Municipal Corporation outlines its future plans to continue its upward journey towards a garbage-free city. This commitment not only reflects Bhopal's dedication to cleanliness but also sets benchmarks for other cities to follow.

Swachh Survekshan-2023 Highlights:



Bhopal's Remarkable Rise: A Comprehensive Analysis of Swachh Survekshan-2023 Triumph

1. State Cleanliness Rankings:

Madhya Pradesh secured the second position in state cleanliness rankings. This achievement reflects a collective commitment to cleanliness at both the city and state levels.

2. Bottom Five States:

Arunachal Pradesh, Mizoram, Rajasthan, Nagaland, and Tripura were ranked as the bottom five states in cleanliness. This highlights the need for targeted interventions and the sharing of best practices among states.

3. City-Specific Recognitions:

Chandigarh received the Safaimitra Surakshit Shehar award for the city with the best safety standards for sanitation workers. Varanasi was recognized as the cleanest Ganga town, emphasizing the importance of riverfront cleanliness.

Bhopal's journey from the 6th to the 5th cleanest city in India is a testament to the efficacy of strategic planning, innovative solutions, and persistent efforts in waste management. The city's commitment to sustainability, scientific waste disposal, and ongoing initiatives for future improvement serve as a model for other urban centers. As Bhopal continues its mission towards a garbage-free city, it not only raises the bar for cleanliness but also inspires others to adopt similar practices, fostering a nationwide culture of environmental responsibility and urban cleanliness.

We would love to hear from you, dear readers. How did you like this blog? Did you gain an insight into today's topic? You can share your thoughts in the comment section below. **KD Live** will keep bringing to you more informative blogs on a daily basis. Stay tuned!