

Problem Statement: Smart City Indore:

To accelerate the efforts to achieve universal sanitation coverage and to put the focus on sanitation, the Prime Minister of India had launched the Swachh Bharat Mission on 2nd October 2014. Swachh Survekshan, conducted by Ministry of Housing and Urban Affairs since 2016, is the world's largest urban sanitation and cleanliness survey. It has been instrumental in fostering a spirit of healthy competition among towns and cities to improve their service delivery to citizens and towards creating cleaner cities. The primary goal of Swachh Survekshans is to encourage large scale citizen participation and create awareness amongst all sections of society about the importance of working together towards making towns and cities better places to reside in.

Indore bagged the title of India's cleanest city for the sixth time in a row as the results of the Central government's annual cleanliness survey 'Swachh Survekshan Awards 2022' were announced. Madhya Pradesh secured the first position in the category of best performing states, followed by Chhattisgarh and Maharashtra.

Since the competition is strong, and as a citizen of Indore, we expect that our city should remain top of the list. Primarily, we are seeking solutions to problem solving in the following categories:

1. Waste Management.
2. City Cleanliness and monitoring

Indore today generates over 1,115 MT of garbage a day and all of it is collected from the source whether it is a household or commercial establishment. The door-to-door service was started in January 2016 as a pilot project in two of the 84 wards in the city. It took almost a year to achieve 100% door-to-door garbage collection. Indore through its commendable collaborative efforts has achieved segregation of waste at source at 100% of its household's and commercial units.

Indore has been divided into 19 zones and 85 wards. Each ward has on an average 6,000 households and 600 commercial establishments (part of 88 notified commercial areas). In Indore, waste is generated from various sources including households, commercial areas and other institutions like RWAs, hospitals, hotels among others. The households or residential complexes are covered by the door-to-door collection system while the semi bulk and bulk generators are covered by the bulk collection system. Indore ensures the 100% coverage of wards through its door-to-door collection system.

To overcome all the deficiencies of present system and to establish solid waste management system of Indore city as per and Solid Waste Management Rules 2016 following actions are required.

- 100% door to door collection and storage of waste.
- To make city bin free so as no storage of waste can be done along roads.
- Fixing of litter bins in all commercial areas.
- Establishment of modern transfer stations at strategic locations

Design a Web/Mobile Application for above categories and provide innovative solutions.