



**Forum of Cities that Segregate  
Assessment meeting  
(7<sup>th</sup> June, 2018)  
New Delhi**

**Bhopal Municipal Corporation**



## Bhopal Municipal Corporation

- According to 2011 census population of Bhopal 1923879 , geographical area 413 Sq. Km, spread across 19 zones and 85 wards.
- 3.88 lakhs Household of Bhopal .
- 388 Total Slums in Bhopal and 156246 Slums household.
- The slums 388 population and sums up to 568424 lakhs population.

# Improvement in status of waste management since December, 2017

- 100 %Door to Door (DTD) collection
- 80% Segregation in Bhopal at source.
- 100 % Collection efficiency,850 metric ton per day waste generated
- 45 % of wet waste processing and 3.5 % of dry waste processing per day
- 48 % of waste is disposal per day



# Improvement in the City

- There is no bye laws rules for city follow the as per SWM 2016 rules for city initiatives.
- Notification issued of Spot fine for littering and Open urination.
- Yes Pollution Control Board issued the policy on Plastic Ban and follow the norms of govt of India.
- We have adopted the initiatives for Segregation i.e. “Ghar Ghar Dastak”



## Decentralized Waste Management since December 2017

- Onsite Composting proposed 500 and 200 placed ,200 units in process .
- Decentralized Composting unit placed at 250 RWA , 100 Hotels , 75 Hospitals ,30 Marriage Gardens, 50 Schools , 50 Religious institution to promote onsite composting.
- 20 ton compost plant running at Bhanpur khanti .





# Sale of City Compost

1. Registered on National MFMS Portal .
2. Agreement with NFL .
3. Agreement with Horticulture.
4. Farmers Association & linkage with Cooperative Societies to promote & accessibility of city compost.

The screenshot displays the National MFMS Portal interface. The header includes the Government of India logo, the Department of Fertilizers, and the mFMS logo. The user is logged in as '938746(Compost Manufacturer::BMC Plant)'. The main content area is titled 'Compost Sales Reversal' and features a form with 'Year' set to '2018' and 'Month' set to 'Jan'. Below the form is a table with the following data:

Sales Date	Quantity (MTs)	Sold to Company	Sold to Other Company
09-01-2018	450.000		Serthek Ltd.

A 'Reverse Compost Sales' button is located at the bottom right of the table. The footer of the page includes the National Fertilizer Corporation logo and the text '© Copyright INC'.

## Bio Methanation and Biogas Plant :

- Biomethanation Plant installed at Bittan Market, Bhopal.
- Plant Capacity is 5 ton per day
- Produces biogas – 300 cu MTR per day
- The plant can produce 450 units electricity per day with generator capacity 50 Kva.
- Bio Gas Composting Plant placed at Yadgar Shahjani Park and New Market of 5 ton Capacity .



# Major Gaps and Challenges of source segregation

## Major Gaps

- Less knowledge and awareness among Citizens
- Unskilled resources at municipal corporation
- Lack of capacity building for Sanitary workers

## Challenges

- Non Participation from the citizens
- Non Availability of Segregation bins in slums
- Availability of Infrastructure and resources to ensure Segregation at source



## IEC –Best Practices Door To Door Campaign For Source Segregation

- **Ghar-Ghar Dastak**, Wet and dry waste collection started at all 85 wards by BMC. “ghar ghar dastak” initiate by BMC to promote awareness about segregation and cleanliness at all places of the city.
- Team of Municipal official, swachhgrahi's and NGO's will knock door to door at household level and aware the Citizen about **Swachh Survekshan 2018**.



# Our Goal – Garbage Free City – Technology Interventions

- All public bins and vehicles are geo fenced.
- Smart Bins – Establishing GPS enabled Smart Bins across the city.
- Establishing Under Ground Bins in all the markets.



# Our Goal – Garbage Free City – Technology Interventions

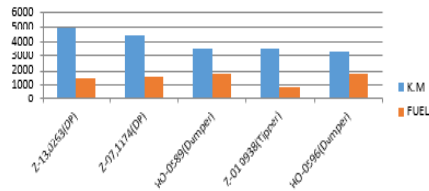


- All municipal **SWM 530** approx. vehicles are equipped with GPS devices and fuel sensors.
- Driver Performance awarded every month

## Drivers Performance Analysis – (As per Vehicles Travelled )

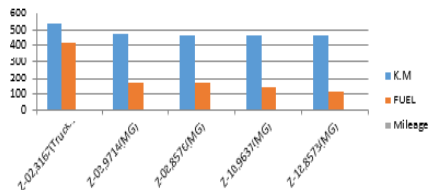
### Best Performance Drivers

S.No.	Driver	Contact No	Grouping	K.M	FUEL	Mileage
1	Mr. Prakash Kunde	9993617846	Z-13,0263(DP)	4989	1380	3.61496/
2	Mr. Irfan	9754117694	Z-07,1174(DP)	4433	1560	2.841452
3	Mr. Rias	8817603848	HO-0589(Dumper)	3582	1700	2.107043
4	Mr. Saleem	9303370825	Z-01 0938(Tipper)	3523	810	4.349034
5	Mr. Darshan	8982963707	HO-0590(Dumper)	3279	1720	1.906534



### Poor Performance Drivers

S.No.	Driver	Contact No	Grouping	K.M	FUEL	Mileage
1	Mr. Alim	9303185720	Z-02,3167(Truck 407)	537	420	1.375961
2	Mr. Shaif	9303465302	Z-05,9*14(MG)	474	164	2.606907
3	Mr. Tanveer	9179919682	Z-08,8376(MG)	471	164	3.180927
4	Mr. Asiem	9893477014	Z-10,9637(MG)	468	141	2.946355
5	Mr. Asif	9901000043	Z-18,8573(MG)	460	114	3.026100



- Penalty claimed for poor performance

# Our Goal – Garbage Free City – Technology Interventions



- Total downloads 46,157
- Total complaints received – 8139
- Total complaints resolved within SLA
- Average response time 12 hours
- Integrated with Swachhta App



# IEC –INNOVATION and Best Practices 2018

## “Swachh Card”



- India 's first innovation i.e. **Swachh Card** designed by Bhopal Municipal Corporation under Swachh Bharat Mission for Community Engagement .
- 5837 Citizens Registered on portal , more than 300 business alliance completed.
- Major activities done by BMC for Swachh card Promotion i.e. She Carnival , I –Clean drive and cover various commercial places of Bhopal .



## “Kabad Se Jugad”



- Another innovation i.e. **Kabad Se Jugad Best out of waste**, designed by Bhopal Municipal Corporation under Swachh Bharat Mission for Recycle of dry waste .
- More than 8 ton waste collected by BMC and handover to Red Fm 93.5
- Red FM Designed Radio Model at Roshanpura Square by collection of dry waste .



# “Swachhta ki Paathshala”



- Bhopal Municipal Corporation initiated IEC activities under Swachh Bharat Mission to make behavior change in the city .
- Bhopal Mayor take the step towards sanitation and cleanliness , for that he reaching out the Government Primary or Middle and High School on the subject of Sanitation .

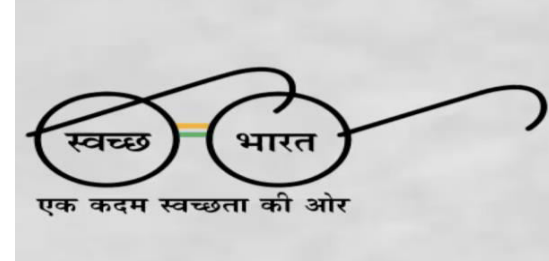
# My City My Wall



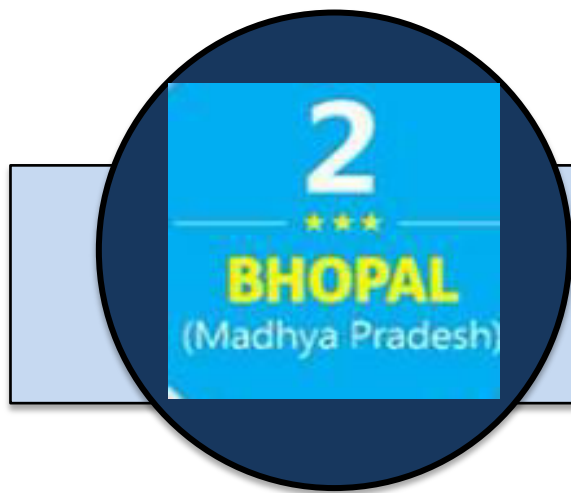
- BMC Organize 3<sup>rd</sup> Phase Painting Competition in Bhopal for Citizens engagement under Swachh Bharat Mission, to beautify the walls of Bhopal and design the graffiti or art design on wall .
- Spread message to the citizens of Bhopal to keep our walls and city clean .
- To stop spitting and open urination on the walls for that BMC take this initiatives organised the Competition in which people from school ,college and Artist was participated .







**Thank You**  
**Bhopal Municipal Corporation**



**INDIA's CLEANEST CAPITAL**