

# वक्त बदला- सोच बदली बदला देवास



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नगर पालिक निगम, देवास  
मध्य प्रदेश



# TOWARDS PROGRESSIVE DEWAS

Dewas is a Historical, Devotional and Industrial city of Madhya Pradesh, it is located in Malwa region of the state. One of the prestigious Government Bank Note Press is established here. As per 2011 census, population of Dewas city is 2.89 Lakh which habitat in 45 wards and its municipal boundary spreading in more than 50 sq.km.. In a short span, city has achieved remarkable progress in implementation of development programs and schemes like, Swachh Bharat Mission, AMRUT, Drinking water, PM Swanidhi Yojna, PMAY and NULM and won many awards from State and Central Governments. Under the true leadership and guidance of the state Dewas has become progressive Dewas and moving ahead to make city more sustainable, green and eco-friendly.







**Chandramouli Shukla (I.A.S)**



Swachh Bharat Mission is a team work of Urban Local Bodies and Citizens. It is a process of upgradation of lifestyle, in terms of better waste segregation, recycling and reuse. We all have worked towards the same goal and have accomplished in Swachh Survekshan-2021, and we also pledge to make City more Clean and Green.

By incorporating latest technology and upgrading the waste processing, the City has pledged to attain 5 Star Rating in Garbage free City. This coffee table book is a comprehensive collection of our team effort and also portrays our mission of constant development.

### ***Thank You***

Collector & Prashasak  
Municipal Corporation, Dewas



**Vishal Singh Chauhan (S.A.S)**



When the first phase of Swachh Bharat Mission (Urban), was launched by the Hon'ble Prime Minister Shri Narendra Modi on October 2nd, 2014 the MoHUA had brought out a set of guidelines to guide Urban Local Bodies (ULBs) regarding various components of the Swachh Bharat Mission. Dewas Municipal Corporation has put its efforts to make the City cleaner and worked hard towards establishing complete Solid Waste Management model in the City. Last four years has witnessed a radical changes in Swachh Bharat Mission and its components like Solid waste Management and Sanitation in Dewas city. Our City has become visible cleaner & there has been marked positive change in attitude and mind-sets of citizens towards "Swachhta".

Dewas Municipal Corporation has been awarded in Swachh Survekshan-2019 and Swachh Survekshan- 2021 for doing a remarkable work in making Garbage Free City and adapting new initiatives in SBM & SafaiMitra Surksha Challenge Program. In the second phase of SBM our efforts will continue with greater focus on effective segregated waste collection & processing, Staff welfare, Improvement in air quality and plastic waste management , through focus on reuse and recycling of plastic waste and reduction in single use plastic usage. These efforts will help us to achieve the ultimate vision of Garbage Free City.

I take this opportunity to share the compilation of our efforts and initiatives being implemented in the City in Swachh Bharat Mission Program in the form of Coffee Table Book, we wish to welcome all the suggestions and feedbacks on our efforts from the esteemed readers.

### ***Thank You***

Commissioner  
Municipal Corporation, Dewas

आपके प्रयासों से  
**गौरवान्वित**  
हुआ देवास



सफाई मित्र सुरक्षा  
चैलेंज में 1 स्थान



GFC रेटिंग में  
3 स्टार शहर का दर्जा



स्वच्छता के क्षेत्र में  
बेहतरीन नवाचार



# WASTE Collection

***“A dream does not become reality through magic; it takes sweat, determination and hard work”***

First started in 2016 with 27 garbage collection vehicles covering only 35 Wards of the city now successfully covering 100% wards and collecting 113 TPD waste. Procured new garbage vehicles & E-vehicles and increased the fleet to 28 Vehicles with appropriate partitions and bins to collect segregated wastes and equipped with GPS device for monitoring.

Established separate waste collection system for different waste generation sources like vegetable markets, religious places, fish market, horticulture, C & D waste and invested into human resources.



Residential Area Waste Collection



Commercial area Waste Collection



GPS Monitoring of Waste  
Collection Vehicle



Transfer of Wet waste  
to Processing Plant



# WET WASTE *Processing*

Dewas Municipal Corporation established State of Art fully automated Wet waste composting plant in year 2021.

The process was Paradigm shift of wet waste processing from Pit and Windrow to Drum composting. The plant enables 100% composting throughout the year including raining season. Currently processing 64 TPD and producing 10 TPD Compost. This compost is marketed and generates the annual revenue for DMC.



Compost prepared from Wet waste



Transfer of Wet waste  
to Drum Composting Plant



Wet Waste cleaning  
by Tromol



Drum Composting  
Process



Compost ready  
to be marketed



# DRY WASTE

## Management

Dewas Municipal Corporation has established Semi-Automated Material Recovery Facility (MRF) with capacity to process 65 TPD of waste.

Sprawling in 0.97 Acre with well planned infrastructure, it has enough space to install 3 trammers and other machines and to store different sorted dry wastes.

A total of 35 waste pickers have been linked and provided regular livelihood through the MRF.

sending recyclables to the recyclers, doing in house processing and making by products like fencing polls, Benches & chairs and sending RDF to the cement plant making Dewas MRF a complete solution for Dry Waste Management.



Waste Plastic Use in 3R



Dry waste transfer to  
Material Recovery Facility Station



Dry Waste Segregation



Plastic Waste Precessing  
Extruder Machine



Plastic Waste Precessing  
Fatka Machine



BEFORE

AFTER

## OLD DUMPSITE

### *Transformation*



By doing bio remediation of 3,32,816 Tons of legacy waste Dewas Municipal Corporation reclaimed 2.1 acre of land transformed into green belt. With this modus operandi we have successfully achieved zero dump-site and now only process rejected waste is being sent to SLF.

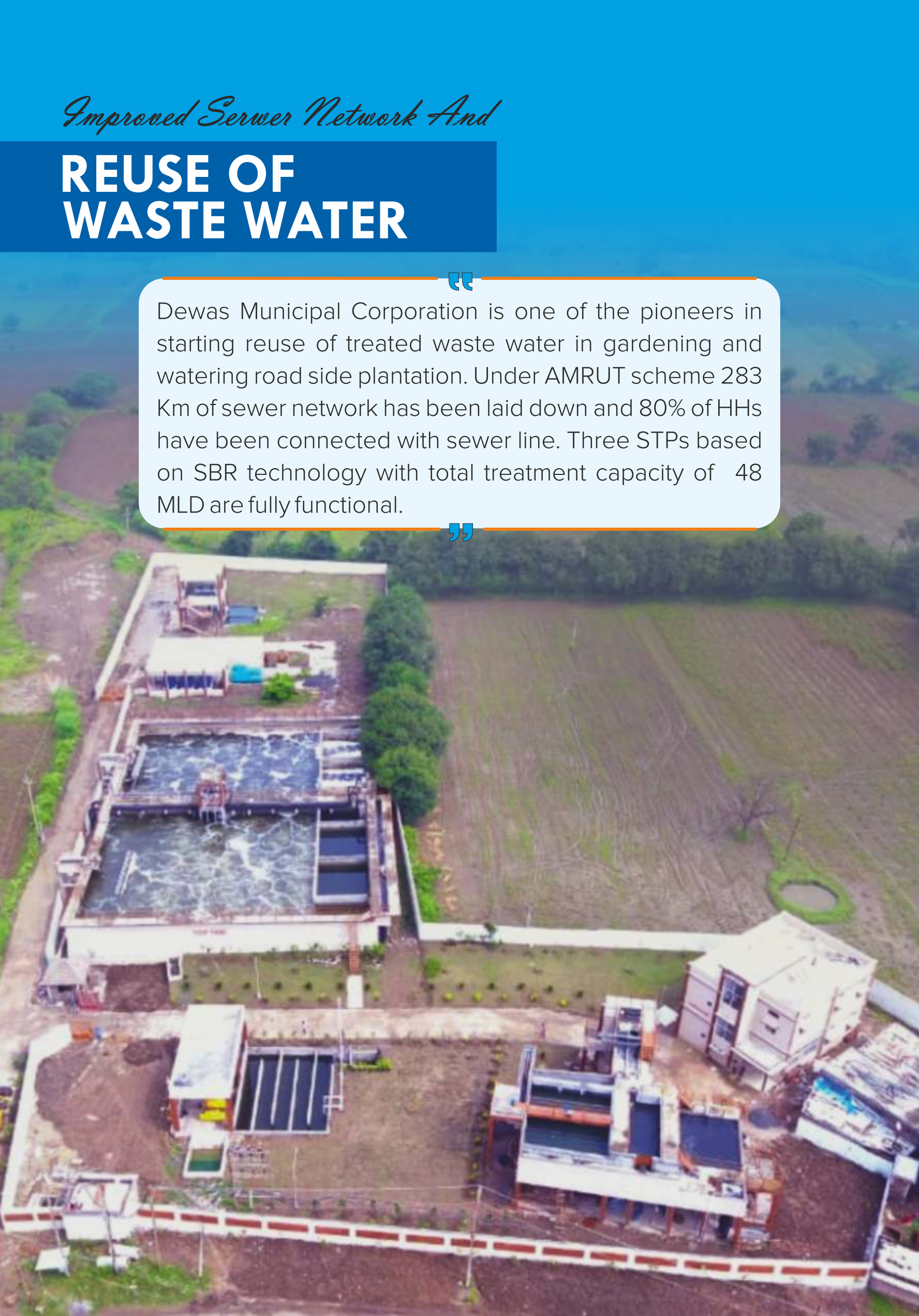




*Improved Sewer Network And*

## REUSE OF WASTE WATER

“Dewas Municipal Corporation is one of the pioneers in starting reuse of treated waste water in gardening and watering road side plantation. Under AMRUT scheme 283 Km of sewer network has been laid down and 80% of HHs have been connected with sewer line. Three STPs based on SBR technology with total treatment capacity of 48 MLD are fully functional.”



Treated water reuse in Constructions & Gardens



# GARDEN

## Composting

Composting provides a means of accomplishing all three of the R's and to ensure this Dewas Municipal Corporation initiated composting in its 32 public gardens. The green waste of gardens is composted in the pits made there. Initiative is contributing in maintaining cleanliness at gardens, reducing waste collection & transportation cost and reducing landfill load.



Green Waste collection and composting in Gardens.



Garden waste collection



Composting of Garden waste



# GARBAGE TRANSFER

*Station*

The GTS set up in the City serves as much as 15 wards that results in timely waste collection from the HHs and reduces the Transportation and Waste Collection cost.





# HORTICULTURE WASTE

## *Processing*

Dewas Municipal Corporation has set up centrally located Horticulture Waste Processing Plant where horticulture waste collected from all over the city is transported and processed into eco- friendly briquettes which is being used as alternative source of energy at crematoriums & restaurant.

Through this innovative project DMC reduce the load of green waste from trenching ground and contributing in reducing air pollution.



Horticulture Waste Processing in CIPHER Machine



Horticulture Waste Processing in Shredder Machine



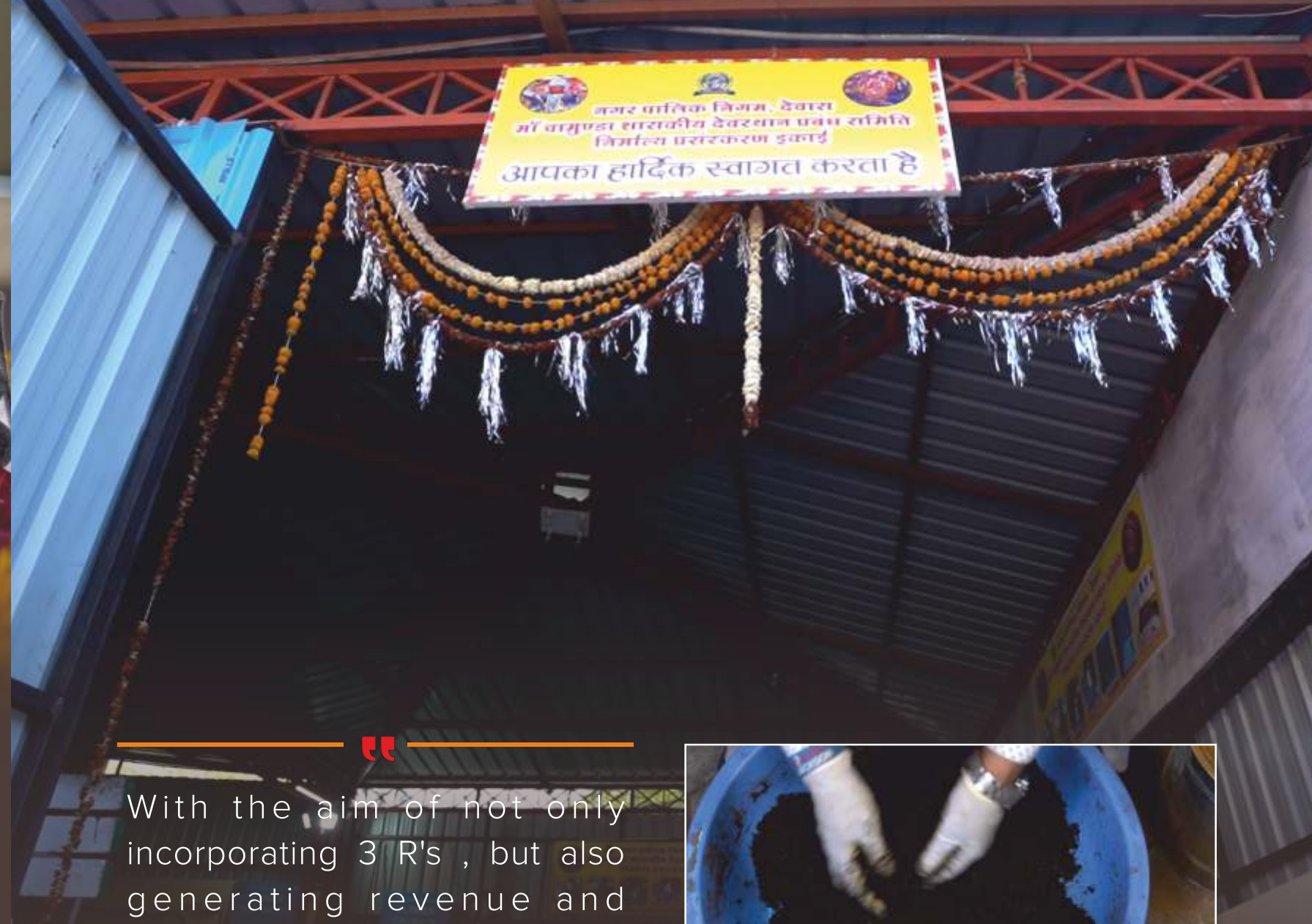
processed into eco- friendly briquettes.



# FLOWER Processing



Flower Processing Plant



With the aim of not only incorporating 3 R's , but also generating revenue and employment, Dewas Municipal Corporation has centrally set up a Flower Processing Plant wherein the waste flowers are collected from all religious places and are processed into by- products like incense sticks, incense lamp and ecofriendly idols.





# HUMAN HAIR

## *Waste Management*

Dewas Municipal Corporation has started the remarkable project of manufacturing Amino acid from human hair waste . The project helped in proper scientific disposal of human hair waste which otherwise was a challenge. The Amino Acid manufactured at the Plant is provided to the farmers as biofertilizer. The project is helping farmers in bio farming. Till date around 1100 Litres of Amino Acid have been manufactured by DMC.



Amino Acid manufacturing Plant



## INTRODUCED E-Vehicles

### Waste Management



Dewas Municipal Corporation introduced E vehicles in its waste collection system. Currently E vehicles are working in the city saving fuel cost and protecting environment.



## GARIMA GRAH DMC

Garima Grah DMC established Garima Grah (restroom) for its female sanitary workers in each zone to provide them comfortable and respectful place to take rest during their work break time. These Garima Grah provides facilities of dress changing room, toilet, drinking water and sitting place.





# Transforming of CITY AIR QUALITY

Developed Gardens including one Green Sports Park, developed Shankargarh Hill into city forest by doing large plantation and foresting in the hill region. Road side paving is done all public and commercial places of the city and green belts in industrial area were developed.



## SAFAI MITRA SURKSHA Challenge



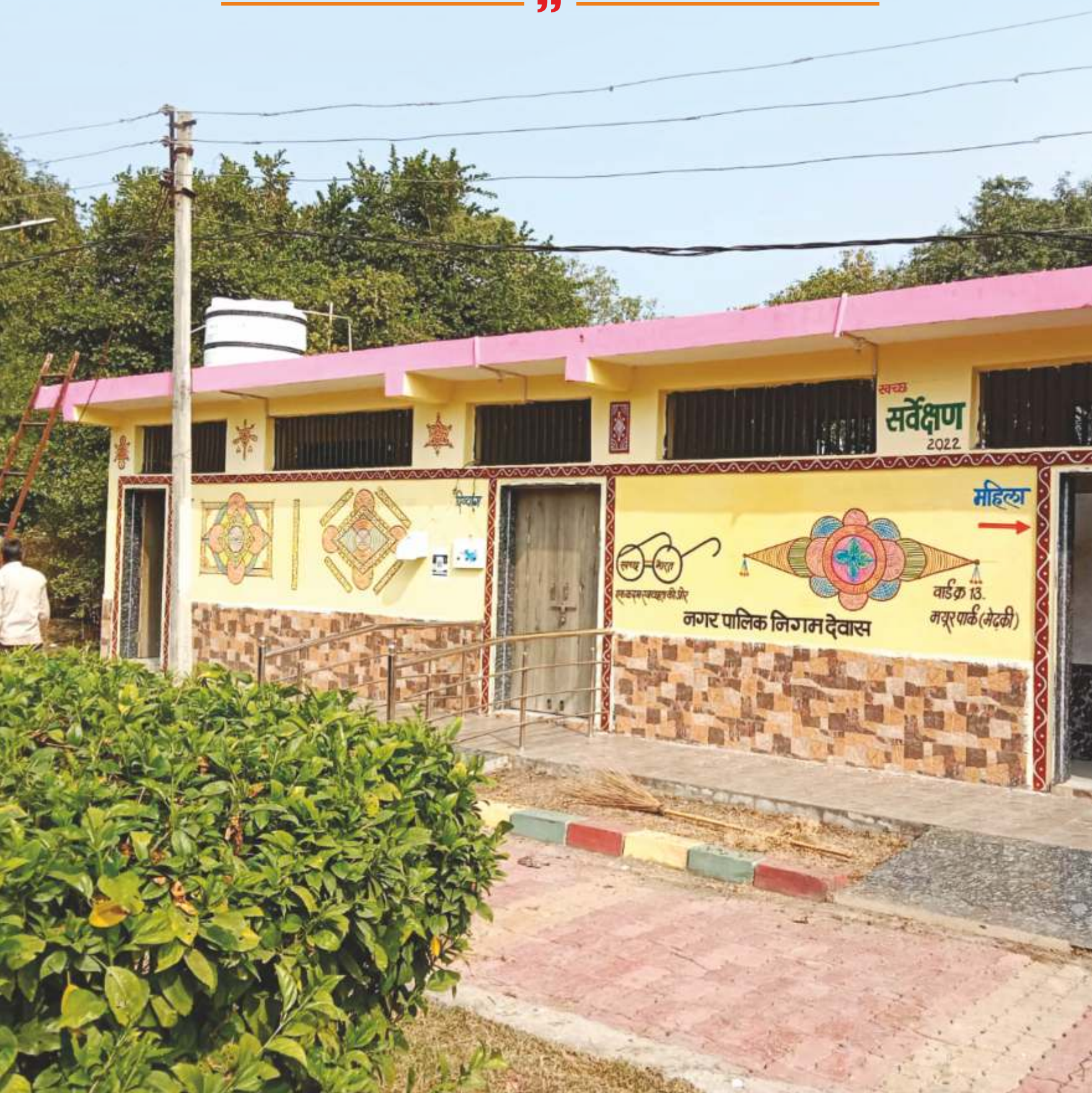
DMC got the 1st Rank in SSC 2021 in its population category by ensuring 100% mechanical cleaning of sewer line and septic tanks, DMC procured advanced machines and equipment for the Liquid waste Management team and provide them technical training on Mechanical Cleaning.





## *Transformation of* **COMMUNITY TOILETS**

“ Dewas Municipal Corporation has transformed its 16 CTs into aspirational toilet by setting up quality sanitation services in vulnerable areas of the City. ”



## **AAJ MERA SHAHAR PLASTIC FREE HOGA**

“ The concept behind this song is to create awareness to have a plastic free environment. The instruments used in creating this unique, lilting and tuneful music are not the conventional ones but different plastic wastes like plastic bottles, cans, buckets etc. ”

