

SMART INITIATIVES

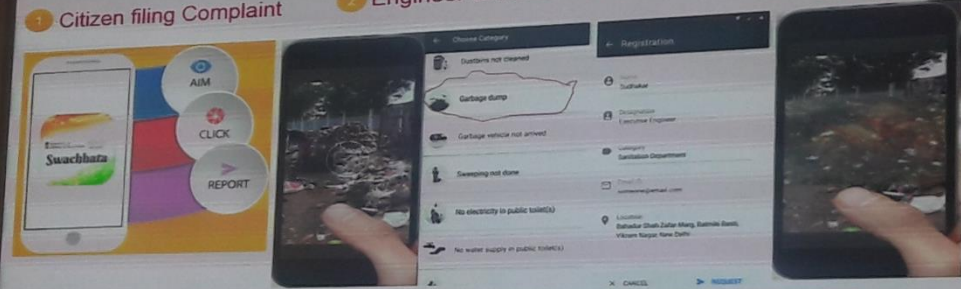
SWACCH BHARAT

Swachata Mobile APP

- Empowers the Citizens to take pictures and Upload
- Allows the City Administration to Reply
- Allow Other People to Reply
- The Janagrah Portal Gives the Real time Data on the Status of the Complaints

The Swachhta Mobile App – 1 click towards cleanliness

- 1 Citizen filing Complaint
- 2 Engineer to Resolve Complaint
- 3 Resolved Complaint



• 11.92 Lakhs download
• 11 lakh+ Total complaints recorded,
• 1784 Active ULBs

• ~ 85% of the complaints are resolved

Website: Swachh.city

Any questions on Swachhata app or solution? +91-92430 90070 swachhbarati@janaagraha.org

Home Dashboard Login

Welcome to the Swachhata Dashboard

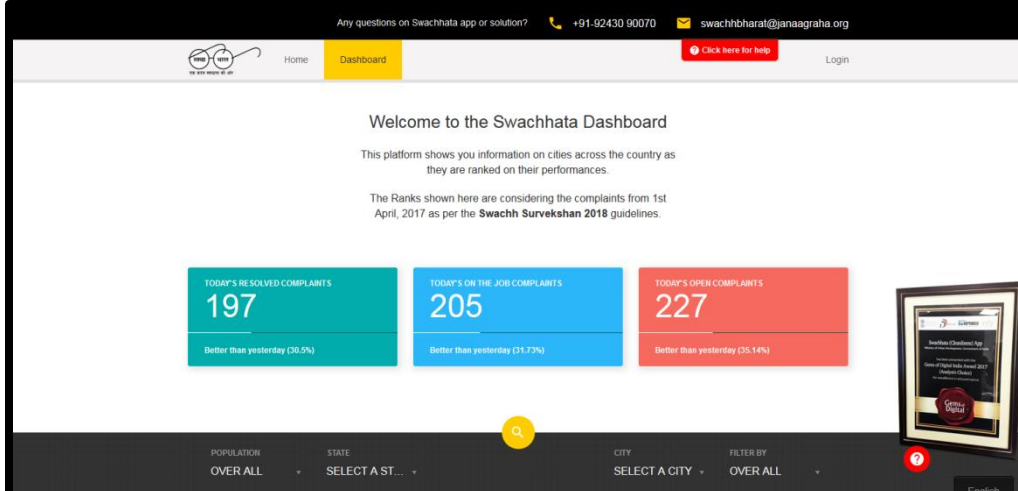
This platform shows you information on cities across the country as they are ranked on their performances.

The Ranks shown here are considering the complaints from 1st April, 2017 as per the Swachh Survekshan 2018 guidelines.

Category	Count	Improvement
TODAY'S RESOLVED COMPLAINTS	197	Better than yesterday (30.0%)
TODAY'S ON THE JOB COMPLAINTS	205	Better than yesterday (31.7%)
TODAY'S OPEN COMPLAINTS	227	Better than yesterday (35.14%)

POPULATION OVER ALL STATE SELECT A ST... CITY SELECT A CITY FILTER BY OVER ALL

English



Increasing public toilet usage by allowing citizens to locate them on Google Maps

1 Searching on Google Maps 2 Selecting the Toilet 3 Citizen Feedback Option

The image illustrates the process of finding and rating public toilets on Google Maps. It is divided into three numbered sections: 1. Searching on Google Maps, showing a search for 'Swachh Public Toilet' with a list of results. 2. Selecting the Toilet, showing a map with a red pin on a 'Swachh Public Toilet' location. 3. Citizen Feedback Option, showing the details for a selected toilet, including a 5.0 star rating and a review by Raj Kamal Singh.

एक कदम स्वच्छता की ओर

Google

**WHEN NATURE CALLS,
USE YOUR PHONE!**

Locate the nearest Public Toilet in Delhi NCR - Help Swachh Bharat Mission

**Rate and Review Public Toilets
Get* Gifts and Goodies**

12th July - 11th August 2017

This is not a contest, and everyone who rates or reviews public toilets on Google Maps during the period 12th July to 11th August 2017 will get a token of appreciation from Swachh Bharat Mission's partners.

Increasing Use of Public Toilets

- Allows the Citizens to Map the toilets
- Allows them to Locate It
- Allows them to Rate it



Feedback Polls for Toilets

- ICT-based Feedback Polling Station for gathering Public Feedback on CT/PTs
- Captures feedback from the user right after toilet usage, and communicates that feedback to city/state

Monitoring of Public Sanitary Infrastructure

1. Gather user feedback on Toilet

2. Communicate Feedback to ULB

3. Display Real Time Data on Dashboard

Swachh Bharat Mission Toilet Cleanliness Program

Please provide your feedback

Good Average Bad

Cloud Server

Swachh Bharat Mission Toilet Cleanliness Program

User's Feedback

29554 20154

74888 18312

75% 65%

BSNL Smart Polls

Is This Toilet Clean? क्या यह शौचालय स्वच्छ है?

MEASURE . TRACK . MANAGE IMPROVE YOUR SWACCHTA RATINGS

Close the loop for tracking real time cleanliness status Leverage the power of citizen feedback

Shimla Jabalpur New Delhi Bhopal Mumbai Bilaspur Bhubaneswar Navi Mumbai

Measure the Swacchta Rankings of your public facilities Measure your Service Provider against Performance KPIs

Best Practices

Monitoring of Public Sanitary Infrastructure



+ 91 8451051105 banlsmartpolls@gmail.com

BSNL Smart Polls

Is This Toilet Clean? क्या यह शौचालय स्वच्छ है?

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Measure the Swacchta Rankings of your public facilities Measure your Service Provider against Performance KPIs


- MoUD is implementing 'Smart Polls' for tracking real time cleanliness status of Public Toilets
- The tool is leveraging the power of citizen feedback and helps ULBs measure the performance of the service provider against KPIs
- It has been piloted in Bhopal, Bhubaneswar, Bilaspur, Jabalpur, Mumbai, Navi Mumbai, New Delhi and Shimla

Monitoring of Public Sanitary Infrastructure

Allows Operation and Maintenance of Toilets

SWACHH ATM- Smart Bin

Swachh ATM - Smart Bin (NDMC)



• Model RFP for procurement of Swachh ATM available

• **MSW Rule 2016:** (i) Manufacturers of disposable products to *provide necessary financial assistance to local authorities for establishment of waste management system* (ii) Manufacturers *put in place a system to collect back the packaging*

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“When the bottle is accepted by the machine, three options on the screen will appear — donation, mobile recharge and discount from an outlet with which the machine-provider has tied up for discounts. The user can select either option and a printout will be issued,”



NDMC- Smart Toilets

- Sensor based doors LED, Ad Panels powered by Solar cells
- Sensor based water taps
- Water ATM
- Vending Machine for providing sanitary napkins
- Vending machine for providing snacks



E-toilet

- The water that comes out as waste is recycled and goes back in
- The solid waste is composted onsite
- The gas from waste is converted into methane
- The toilet self cleans

NDMC Smart Toilets

Mandi House

Copernicus Marg

Rafi MARG

ACCESSIBLE SANITATION
97 locations identified in Delhi to build smart public toilets

- Sensor-based door
- Advertisement Panel
- Sensor based water Taps
- ATM
- Grey water recycle and reuse
- Drinking water
- Vending Machines

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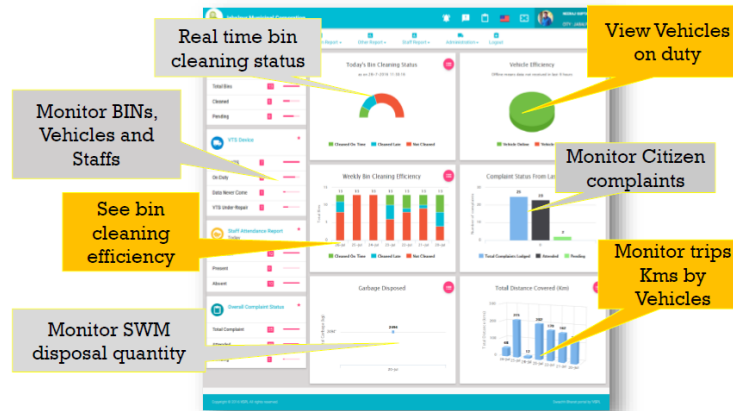
Cutting Edge ICT Technology by BSNL

- eSBM platform is a state of the art ICT platform which utilizes web, GPS and mobile technology solutions to provide easy and effective real time monitoring and management of Solid Waste Management activities
- eSBM platform will enable precise GPS mapping of all waste collection points in the city.
- Provision to add new waste collection points in uncovered areas and relocation of underutilized bins.
- ULB can plan routes for vehicle with waste collection points.

GPS Tracking of Vehicles



eSBM ULB Portal - Dashboard



- MoU signed between Ministry of Urban Development (MoUD) and Bharat Sanchar Nigam Limited (BSNL) to provide ICT based solution for solid waste management in urban India under Swachh Bharat Mission (SBM)
- Under implementation in Gurgaon, Faridabad, Jalgaon | Agreements signed in Jalandhar, Panchkula, Jabalpur, Vijayawada, Korba, Bhilai, Thane, Ambikapur, Vasai-Virar, Devghar, Chas, Dhanwad, Giridi, Hazaribag, Jamsedpur, Adityapur | Signing in process in Chandigarh, Karnal, Aligarh

The page lists the following features of the eSBM platform:

- GPS based vehicle monitoring:** Each waste disposal truck is fitted with a Vehicle Tracking Device and a data SIM for real-time tracking of vehicle movement.
- Waste collection Monitoring:** ULBs can map all waste collection bins and disposal areas. Staff can submit waste quantity handling reports via SMS or mobile app.
- Transportation monitoring:** The system monitors daily routes, analyzes halts at designated BIN locations, and allows staff to report vehicle breakdowns via SMS.
- 24/7 support by BSNL for ULB's:** A highly qualified technical team provides immediate resolution for any VTS-related issues.
- Real time analytics/reports:** The web portal provides status on BIN cleaning, solid waste disposal, vehicle operations, routes, and various reports.
- Public web portal:** Citizens can lodge complaints, view garbage cleaning reports, check vehicle status, and view waste handling statistics.
- Intuitive Dashboard:** All portals are designed to be intuitive, allowing ULB officials and citizens to monitor fleet status, vehicle routes, travel distance, bin cleaning status, staff attendance, and waste disposal quantity.
- Mobile app for ULB Staff:** Staff can take photos of bins (before and after cleaning), send images to the server, and mark their attendance directly using the app. Other reports like waste disposal quantity, weighing slips, and vehicle load/unload details can also be sent via the app.
- Mobile app for citizens:** An end-to-end mobile-based "complaint management system" app is provided, allowing citizens to lodge cleanliness-related complaints with photos and location details, and view the status of their complaints.

AADHAR Enabled Biometric Attendance System

Attendance.gov.in
English

- Dashboard
- Organization Registration
- Attendance Reports
- Login
- Announcement
- FAQ
- All Dashboard

Aadhaar Enabled Biometric Attendance System (AEBAS) - Delhi Central

Today's Attendance Summary Date: August 9, 2017

Registered Organizations

669

Org Never Marked Att.

97

More info

Registered Employees

231785

Employee Never Marked Att.

45439

More info

Present Today (Opening)

109958

Out Today (Closing)

1672

More info

Total Active Devices

3118

Tablet	Desktop
1756	1362

More info

Real Time Attendance Activity

Attendance Statistics - as on: August 8, 2017

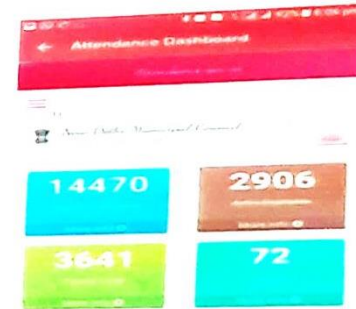
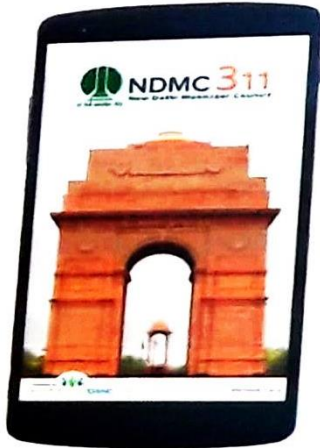
Active Employees	177798 / 231780
Biometric Terminals	1758 / 2715
Desktop Device	1362 / 4600
Auth Request (Desktop)	19448 91719

09:32
Attendance Average In-Time

17:45
Attendance Average Out-Time

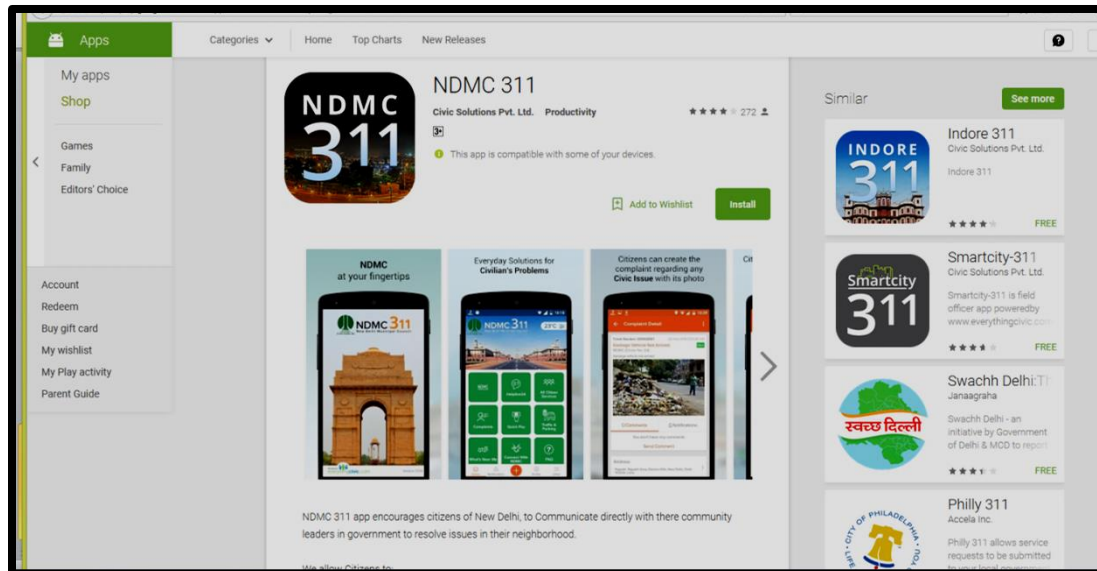
1.33 sec
Attendance Average Response

Employee's Attendance – via Mobile App



User ID and location (GPS coordinate) along with selfie image required for tracking real-time location of employee

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MECHANISED SWEEPING

Mechanised Sweeping



Hyderabad
Self Propelled Road Sweeping Machine



NDMC



Allahabad



Shantigram

Machine can clean
8800 to 26400
sq.mtr/hr.

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SBM related items under DGS&D Rate Contract

Tipper/Auto Tipper



Tata Motors - Rs. 4.30 lakhs | 1.0 CuM



Mahindra - Rs. 22.31 lakhs | 16 CuM



Tata Motors - Rs. 19.50 lakhs | 8.5 CuM

Range - ₹ 3.16 - 38.94 lakhs

Sweeper



Mahindra & Mahindra - Rs. 15.17 lakhs | 1.4 CuM





Eicher - Rs. 52.85 lakhs | 16 CuM

Range - ₹ 15.17 - 52.85 lakhs

50% capital grant from Government of India for procurement of DGS&D listed items

Hook Loader



SML-Isuzu Rs 20.95-22.09 Lakhs





TATA- Rs 31.36 - 42.58 lakhs

Range - ₹ 20.95 - 42.58 lakhs

Refuse Compactor Vehicle



TATA- Rs 23.77 | 7 CuM



TATA - 42.05 Lakhs | 18 CuM



Range - ₹ 23.77 - 42.05 lakhs

Twin Bin Dumper



TATA - Rs 22.98-25.99 Lakhs | 3.5 CuM



SML-Isuzu Rs. 16.65 - 17.80 Lakhs



Range - ₹ 16.65 - 25.99 lakhs

UNDERGROUND BINS

Underground bins

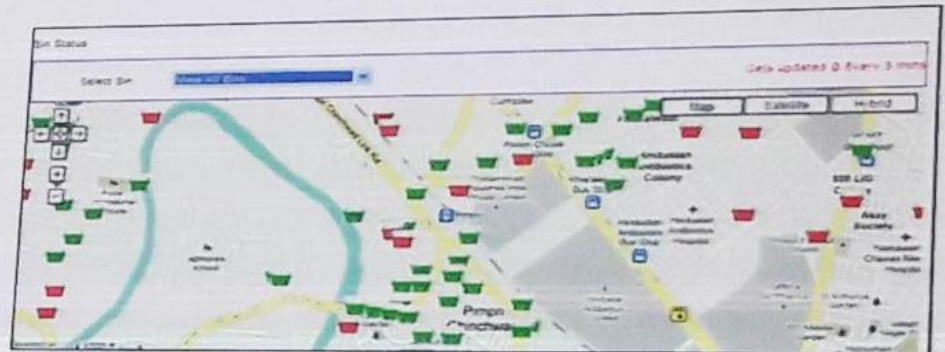


Cities implemented underground bins - Bengaluru, Chennai Suburb, Dehradun, Dharamshala, Jabalpur, Sunder Nagar, Paonta Sahib

SMART GARBAGE BINS

Smart Garbage Bins

For Public Bins



Ahmedabad Municipal Corporation
Planning to implement

SMART COMPOSTING MACHINE

Smart Compost Machine

MISCA

(MECHANISED IN-VESSEL SHREDDING & COMPOSTING MACHINE)

 एन एस सी NSC	SE-5001		500 Kg./day	2203*1400*1450 mm(W*D*H)
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- Bulk waste generators to treat and dispose of biodegradable waste within premises
- National Seeds Corporation Ltd directly marketing decentralized composting machines

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- Converts in Half an Hour to NO SMELL
- Converts in one month to COMPOST

UNDERGROUND WASTE TRANSPORT

GIFT City – Underground waste transport

Automatic Collection, Transportation and Segregation System



- Solid waste from the towers sent to **waste collection centre, about 2 km away from buildings, using vacuum suction pipes.**
- Waste automatically **sucked through underground pipes at a high speed (90 km/h)**

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Convergence :: SMART C x Sewage_Thermal_Plant.p x Solid Waste Management x

giftgujarat.in/solid-waste-management

Skip to main content

GIFT
GUJARATI INTERNATIONAL FINANCIAL TECH CITY

ABOUT GIFT | INFRASTRUCTURE | MASTER PLAN | GIFT SEZ - IFSC | ALLOTMENTS | CONTACT US

Solid Waste Management

Infrastructure | Solid Waste Management

- Automated Waste Collection System (AWS) through chute system
- Minimum Human Intervention
- Minimize space requirement
- Minimize impact on health
- Waste sucked through pipes at a speed of 90 km/hr
- Waste Treatment through Plasma Technology

Automatic Collection and Transportation System

RELATED LINKS

- Infrastructure
- Water
- Power
- ICT
- Solid Waste Management
- District Cooling System
- Utility Tunnel

VAIO Analysis Manager

Search the web and Windows

6:34 PM 8/14/2017

MY GOV

MyGov.in engagement – Pledge, Activities, Challenge, Earn Points

City level Discussion Forums

<https://swachhbharat.mygov.in/>

GOVERNMENT OF INDIA

Skip to main content | Login | Register | English | हिन्दी | A+ | A- | A | A+ | f | MyGov States

my GOV
मेरी सरकार

“ Let us join this mass movement towards Surojya. Realise the hopes and aspirations of the people and take India to greater heights! ”

TRENDING

Open Forum | Do | Discuss | Poll/Survey | Blog | Talk

Filters: All | Open | Closed Under | All Sectors | Sort By: Newest First

All Discussions Under Open Forum

Logo Design Contest for DOORDARSHAN - 2017

Vidyanjali - (School Volunteer Programme)

IN FOCUS

MyGov - Discussion thread for GST

DST and Texas Instruments Inc. India Innovation Challenge Design Contest 2017

Showcase your creative instinct and get recognized

CREATIVE CORNER

Participate and share

Share your ideas for PM Narendra Modi's speech on Independence Day 2017

Suggestions Invited for Prime Minister's Independence Day Speech

Share your ideas for PM Narendra Modi's Mann Ki Baat on 30th July 2017

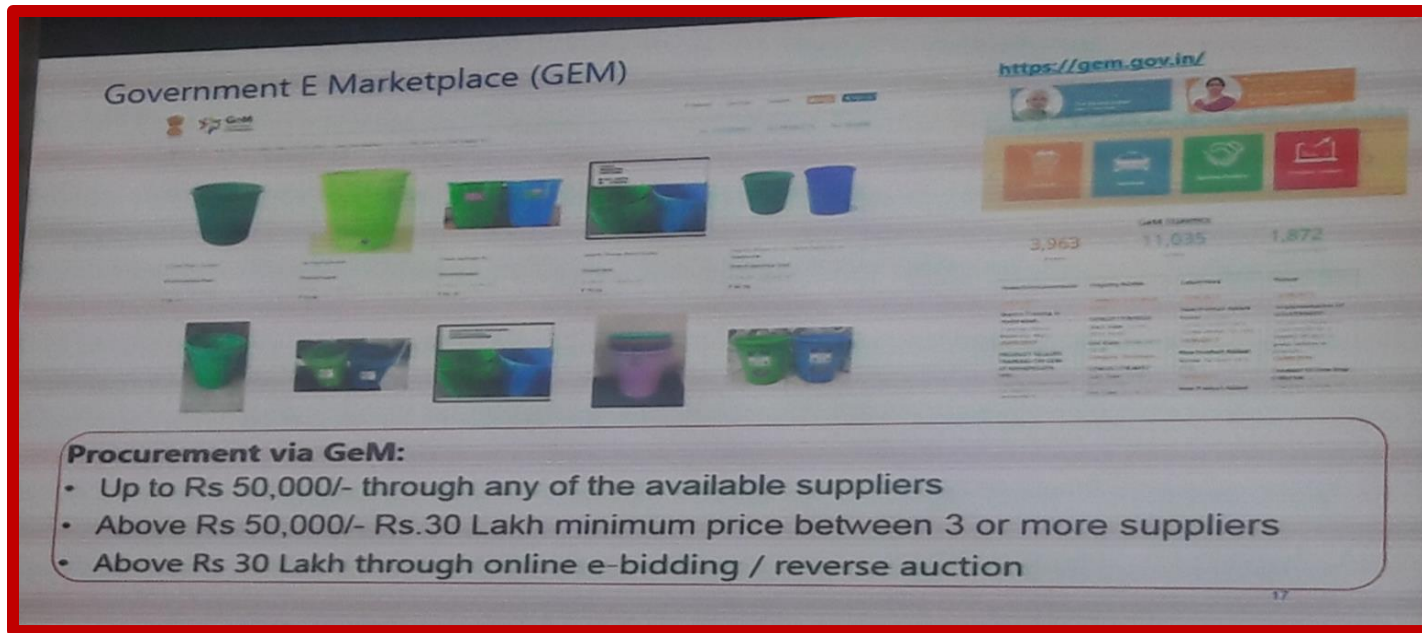
Share your ideas for PM Narendra Modi's Mann Ki Baat on 25th June 2017

Mann Ki Baat on 28th May 2017

Mann Ki Baat on 30th April 2017

Mann Ki Baat on 26th March 2017

Government E- Market place (GeM)



Government E Marketplace (GEM)

<https://gem.gov.in/>

3,963 11,035 1,872

Procurement via GeM:

- Up to Rs 50,000/- through any of the available suppliers
- Above Rs 50,000/- Rs.30 Lakh minimum price between 3 or more suppliers
- Above Rs 30 Lakh through online e-bidding / reverse auction

Based on recommendations of Group of Secretaries made to Hon'ble Prime Minister, the Government decided that DGS&D will create a one stop Government eMarketplace (GeM) to facilitate online procurement of common use Goods & Services required by various Government Departments / Organizations / PSUs. GeM aims to enhance transparency, efficiency and speed in public procurement. It provides the tools of e-bidding, reverse e-auction and demand aggregation to facilitate the government users achieve the best value for their money. DGS&D took appropriate actions to align the existing rules to cater to GeM including swift payment to Suppliers / Sellers after successful delivery of Goods & Services. The purchases through GeM by Government users have been authorized and made mandatory by Ministry of Finance by adding a new Rule No. 149 in the General Financial Rules, 2017.