

SWACHH BHARAT

A Monthly Newsletter



EDITORIAL

The Swachh Bharat Mission (SBM) is a bold and visionary response to one of India's key urban challenges. Statistics show that sanitation has emerged as one of the foremost challenges for Urban Local Bodies (ULBs) in India. More than 620 million people, over 50 percent of the country's population, practice open defecation in India with a majority of them living in rural areas (A report on urban sanitation : a dialogue, NIUA, Pg.3). Only 31 percent of the sewage generated in Indian cities is treated and around 48 percent of urban households depend on septic tanks and pit latrines for meeting their sanitation needs. Furthermore, more than 91 percent of the municipal solid waste collected by ULBs is dumped in the open or in unscientific dumping sites.

These are merely glimpses of the problem of sanitation and cleanliness in Indian cities. The Central government provides a set of actions that can deliver at one end, the goals of social transformation such as elimination of open defecations and manual scavenging, and at the other end, the goals of scientific Solid Waste Management (SWM) and sanitation through the fundamental instruments of social change. Under the Mission, community toilets will be built in residential areas where it is difficult to construct individual household toilets. Public toilets will also be constructed in designated locations such as tourist places, markets, bus stations, and railway stations among others.

Some states like Maharashtra, and Kerala have made efforts to promote decentralized waste management. Bhabha Atomic Research Centre (BARC) in Mumbai

has developed 'NISARGRUNA' technology to generate biogas and manure. Working with Stree Mukti Sanghatana in Mumbai, women waste pickers have been trained on segregation, handling of waste, composting, maintaining and operationalizing the bio-gas plant based on the Nisargruna technology. In Kerala, Cochin Municipal Corporation (CoC), together with Confederation of Real Estate Developers' Association of India (CREDAI) have adopted a unique approach to implement an eco-friendly solid waste management system in high rise apartments, which includes establishment of bio-bin systems to produce on-site compost, establishment of a recycling and plastic shredding unit and collection of dry/recyclable material within the apartment complex.

This newsletter showcases the progress of the Swachh Bharat Mission, and brings news of success stories from different cities in India, highlighting the champions and ambassadors of change. New solutions and initiatives that can help



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in achieving a transformation in lifestyle and environment are also highlighted. This newsletter serves as a vehicle for promoting ground-level practices and knowledge for those interested in making India clean and litter free.

The newsletter is available on the Mission website (<http://swachhbharaturban.gov.in/>) and can be downloaded for further dissemination. The newsletter is outcome of collective efforts from states and cities. We thank you for your contributions and welcome suggestions for forthcoming issues.

- Editorial Team, NIUA



PRESIDENT'S HIGH TEA WITH SWACHH BHARAT AMBASSADORS



On 10th September 2015, the Hon'ble President of India, Shri Pranab Mukherjee hosted all Swachh Bharat Ambassadors for a High Tea at Rashtrapati Bhavan to acknowledge their commitment and efforts towards Swachh Bharat and deliberate further with them to make the mission a 'Jan Andolan' by motivating the citizens of India to adopt safe hygienic practices. While the invite was sent by the Hon'ble Minister for Urban Development, Shri M Venkaiah Naidu, the President had kindly consented to host the event in the imposing Durbar Hall followed by High Tea in the historic Ashoka Hall .

The event, lasting over one and a half hours, was well-attended by many Brand Ambassadors from all walks of life. During the event, the Minister for Urban Development, Minister of State for Urban Development, Shri Babul Supriyo and senior officials in Ministry of Urban Development also welcomed the Ambassadors and shared their thoughts with the audience.

Renowned film actress and rights crusader, Smt. Amala Akkineni represented the Swachh Bharat Ambassadors and shared with the audience her vision on the role of a Swachh Bharat Ambassador and sought support from everyone to realize the Hon'ble Prime Minister's vision of a Clean India. She also committed that each ambassador would continue their engagement with the Swachh Bharat Mission to the best of their ability to make the mission successful.

Shri Venkaiah Naidu reaffirmed the Prime Minister's vision of Swachh Bharat Mission with the audience and shared with them the progress made in the last one year, and the current initiatives underway. He also requested the Swachh Bharat Ambassadors to further their efforts by joining hands to increase corporate sector participation and shared with them a 9-point agenda through which the Ambassadors can help the country to achieve the Mission's objectives.

The Hon'ble President recommended direct action from each Ambassador and use their status as India's Icons to motivate every citizen to become a Swachh Bharat Ambassador, as the success of the mission would be dependent on each individual's action. The President also noted that Ambassadors are engaged for a continuous period, since the desired change would take time and continuous efforts, until each street is clean, each citizen enjoys

safe sanitation and every student lives a hygienic environment every day.

At the launch of the Swachh Bharat Mission, it had been envisaged that a Swachh Bharat Anthem would be created, which would act as a catalyst to influence and motivate every citizen to make cleanliness a part of their daily life. Lyricist Shri Prasoon Joshi and noted musical trio, Shri Shankar Mahadevan, Shri Ehsaan Noorani and Shri Loy Mendosa provide the audience a sneak-peek into the Swachh Bharat Anthem being prepared. Shri Babul Supriyo also joined the group and lent his voice to the Anthem.

Additionally, a coffee table book recognizing the efforts of each Swachh Bharat Ambassador and a memento symbolizing the Swachh Bharat Mission were presented to the Hon'ble President.

A High Tea followed the formal event and witnessed interactions among the Ambassadors, exchanging notes on their experiences. The ambassadors informally shared their efforts so far towards the Swachh Bharat Mission among each other and reaffirmed their commitment to the mission.

The event ended with the Coffee Table book and Swachh Bharat memento being presented to each Swachh Bharat Ambassador.

9-Point Agenda for Swachh Bharat Ambassadors to create 'Jan Andolan'

- Weaving in the theme of 'Swachh Bharat' in all public appearances and speeches;
- Adopting some specific localities / colonies / slums to convert them completely into 'swachh' locations (free from littering and garbage, free from open defecation, Individual Household Latrines (IHHLs) available for every citizen in that locality);
- Volunteering for 'Swachh Bharat' related campaigns on radio, TV and print at all levels and encouragement of media to spread the word;
- Using corporate relationships to encourage companies / educational institutions / community groups and housing societies / hospitals / hotels, etc. to make 'cleanliness campaigns' a regular part of their functioning;
- Committing to speaking at schools / colleges / educational institutions to motivate youth and children towards a culture of cleanliness as they are the real ambassadors of change ;
- Motivating more public icons to become ambassadors
- Creating a page on the webpage "swachhbharat.mygov.in" and linking it to all Ambassadors' social media profiles;
- Using Swachh Bharat Ambassador logo for all communication (email, paper etc.) from Ambassadors' office; and
- Putting the Swachh Bharat logo on nameplates outside houses and offices.

INTENSIVE NATIONAL SANITATION CAMPAIGN LAUNCHED

To celebrate the completion of one year of launch of the Swachh Bharat Mission and in order to give a renewed fillip to the Mission by re-energizing all stakeholders in the journey towards a 'Clean India', a nation-wide campaign has been taken up with the participation of all sections of the society to rekindle mass awareness and behavioural change towards sanitary habits and practices. A National Cleanliness Campaign has been launched from 25th September 2015 (Late Pandit Deendayal Upadhyay's birth anniversary), till 11th October 2015 (birth anniversary of Shri Jai Prakash Narayan), with activities being taken up regularly at State, City and ward levels, to push forward the Swachh Bharat agenda among all citizens. Municipal Corporations from across the country have been enthusiastically participating in the anniversary drives, with innovative ways of taking forward the mission mandates. The key focus areas are on Swachh City/Ward Plan, Report Card, and Citizen Engagement.

A Swachh Bharat anthem is currently being produced by a group of Swachh Bharat Ambassadors. Written by famous lyricist Shri Prasoon Joshi, and set to tune by the musical trio Shankar-Ehsaan-Loy, and produced by Mukesh Bhat, the anthem video will feature eminent personalities from various walks of life.

The activities being conducted at the State, City and ward levels are detailed below:

1. State Level Activities

- Disseminating data regarding progress of the State Level Performance in the past one year.
- Displaying the progress in hoardings and posters on government buildings, public places, and places of congregation.
- Organizing SBM walk-a-thon by Governor/Chief Minister, MLAs, Swachh Bharat Ambassadors and other eminent citizens.
- Recognition and awards to performing ULBs and functionaries/ volunteers and NGOs etc.
- Visit by the CM/ Municipal Minister/Senior officials to sample households with new IHHLs and also localities with new Community and Public Toilets.
- Visit by the CM/ Municipal Minister/Senior officials to Government buildings to deliver pledge.
- Visit by CM/ Municipal Minister/Senior officials to new Waste to energy plant/compost plant.
- Organizing an event in conjunction with a Swachh Bharat Ambassador.
- Holding fairs showcasing technologies for segregation of waste.



2. City/ULB level activities

- Showcasing achievements on the Swachh City Plan through print media and hoardings.
- Organizing public gatherings to showcase achievements, ongoing activities and plans for the future.
- City level interventions by seeking views of citizens.
- Placing the report card of the ULB on the city website and SBM website.
- Recognizing and giving awards to performing ULB functionaries/Volunteers/NGOs. Further, involving Swachh Bharat Ambassadors for distribution of awards.
- Nominating of city level Swachh Bharat Ambassadors by the ULBs.
- Conducting walk-a-thon at all levels and forming human chains,
- Unveiling of Swachh City exclusive caller tunes and merchandise.
- Cleanliness drives around main markets, bus stands, and railway stations in the city in which citizens may participate.
- Recorded message by the CM/Mayor on phones and AIR.
- Organizing camps for educating citizens on the benefits of segregation of waste.
- Schools participating through quiz, painting and essay competitions

3. Ward Level Activities

- Public discussion on Swachh Bharat Ward Plan with progress so far and key initiatives planned through organizing Ward Sabhas
- Launching cleanliness drive – involving senior citizens.
- Administering of Swachh Bharat Pledge throughout the campaign.
- Painting contests/ quizzes in schools and colleges as part of the celebrations.
- Organizing Swachh Bharat Nukkad Nataks (street plays).
- Pledge by Local citizens.
- Registration drive for www.mygov.in
- Inauguration of new public/community toilets.
- Special drive by the Community Service Centres in conjunction with the Ward
- Helping booths in the wards for special complaints relating to cleanliness issues.

The second phase of this campaign will be thematic in nature, and will begin from the birth anniversary of Shri Jay Prakash Narayan on 11th October 2015 and end on 31st October 2015, birthday anniversary of Sardar Patel. During this phase, transportation departments (Railways, Buses, Airports, Taxis) would be carrying out extensive cleanliness drive across the nation, uniting the entire

country. Subsequently, theme based drives will be held in the third phase, from 1st November 2015 till 31st March 2016, with various themes related to urban spaces. Each theme will be planned over 15 days with focus on agriculture mandis, water bodies, education institutions, tourist sites, hospitals, public institutions, RWAs etc. The detailed themes are given below:

Sl. No.	Areas/Theme	Stakeholders	Dates
1.	Sardar Patel United Clean India drive (Railway Stations, Metro Stations, Bus Stands and stops, auto/taxi stands and airports)	M/o Road Transport and Highways M/o Railways M/o Civil Aviation, AAI	11th - 31 October
2.	Education Institutions (Schools, colleges, public libraries, anganwadis)	M/o Human Resource Development (HRD)	1st November - 15th November
3.	Agriculture mandis, vegetable and grain markets	Ministry of Agriculture	16th November - 30th November.
4.	Religious places, tourism and heritage sites (and surrounding areas)	Ministry of Tourism Ministry of Urban Development Department of Urban Development	1st December - 15th December
5.	Resident Welfare Associations (RWAs)	Municipal Corporations	16th December - 31st December
6.	Underpasses, areas under flyovers and main roads	Ministry of Road, Transport and Highways	1st January - 15th January
7.	Cantonment Boards	Ministry of Defence, water bodies (areas surrounding lakes, riverfronts, beaches, ghats, waterways)	16th January - 31st January
8.	Recreation parks, play areas, rest areas and other landscapes (linked to public gatherings)	Department of Urban Development	1st February - 15th February
9.	Hospitals and Health Centers/Institutions	Ministry of Health	15th February - 28th February
10.	Government Offices/Buildings and other public institutions	All Offices	28th February - 15th March
11.	Old cities and main markets	Municipal Corporations	15th March - 31st March

INNOVATIVE/NOTABLE INTERVENTIONS BY STATE GOVERNMENTS

1. Andhra Pradesh has established the Swachh Bharat Corporation to exclusively deal with the Mission.
2. Telangana has introduced the concept of 'Parichay' or know your worker for each ward which enables citizens to directly interface with the worker responsible for cleanliness.
3. Karnataka has set up composting facilities throughout the state with a total processing capacity of 3635 tonnes per day



4. Tamil Nadu has introduced the innovative design of Public Toilets across Municipalities called Namma Toilets. This is a modular toilet built on the principles of universal design for ease of use across stakeholders, a highly flexible and durable solution.
5. Chhattisgarh has introduced a policy initiative for achieving 100 percent construction of individual toilets, which is a rationalized funding pattern where the unit construction cost is Rs 20,000 and the beneficiary contribution is a maximum of Rs 2000. With the Government of India contribution being Rs 4000, the balance amount of Rs 15000 will be through the State budget/CSR. Through the State sponsored Bhagirithi Nal Jal Yojna, there will be no connection charges for water for the toilets and there will be subsidized tap water @ Rs 60 per month only as user charge. The State Government will provide Rs 3000 per connection to ULBs under the scheme.
6. Pune has a model of Construction and Maintenance of Community Toilets through NGOs which is a best case practice. Community led total sanitation is being used to trigger collective behaviour change.

GANGA AVAHAN



In order to mark the first anniversary of Swachh Bharat Mission, Ministry of Urban Development has launched an adventure expedition "Ganga Avahan" in association with the Indian Armed Forces, where a team of brave army personnel are swimming 2800 km along the length of River Ganga, from Devprayag (Uttarakhand) to Ganga Sagar (West Bengal), to spread awareness about the Swachh Bharat Mission.

The expedition, led by Wing Commander Paramvir Singh, was flagged off by Hon'ble Urban Development Minister, Shri Venkaiah Naidu on the 1st October, 2015 from New Delhi.

The team comprises three swimmers and six raft-men who will swim covering roughly 60 km every day, and shall halt at places such as Haridwar, Kanpur, Allahabad, Varanasi, Ballia, Patna, Kolkata and many other areas as per the route plan.

Along the expedition route, the team is interacting with officials, local leaders, dignitaries, media, school/college children and citizens, to spread the message of Swachh Bharat. The team will also inform people about the importance of cleanliness of Ganga river and how it could benefit every community in years to come.

मेयर ने किया तैराकों को सम्मानित

हरिद्वार। विंग कमांडर परमवीर सिंह और तैराकों एवं मल्लाहों की उनकी टीम का हरिद्वार नगर निगम के महापौर (मेयर) श्री मनोज गर्ग द्वारा हर को पौड़ी पर स्वागत किया गया। 'गंगा आवाहन' टीम ने 8 अक्टूबर 2015 को देवप्रयाग से अपना सफर शुरू किया था और हरिद्वार पहुंचने तक 92 किमी की दूरी तय की गई। मौड़िया को संबोधित करते हुये श्री मनोज गर्ग, महापौर, हरिद्वार नगर निगम ने कहा, "भारत को स्वच्छ बनाने की माननीय प्रधानमंत्री की दूरदर्शिता के अनुरूप शहरी विकास मंत्रालय द्वारा स्वच्छ भारत मिशन के एक हिस्से के रूप में एक तैराकी अभियान का समर्थन किया गया है। विंग कमांडर परमवीर सिंह के नेतृत्व में यह रोमांचक अभियान एक अनुभूति मिशन है। इसके अंतर्गत सेना के बहादुर जवान देवप्रयाग से गंगा सागर तक समूची गंगा नदी में गोता लगायेंगे।

Marathon Swim "Ganga Avahan" by Indian Armed Forces Team in River Ganga to Promote Swachh Bharat

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A team of three swimmers from Defence services are set to swim in river Ganga from Devprayag in Uttarakhand to Sunderbans in West Bengal. The campaign was launched at the Defence Services Staff College (DSSC), Wellington, Nagpur by the Urban Development Minister Venkaiah Naidu. This is an initiative taken by the Ministry of Urban Development to spread awareness on the Swachh Bharat mission and it is named Ganga Avahan.

Wing Commander Paramvir Singh, Sergeant Sarajit Singh and Sergeant Gulraj Narayan from the armed forces will be participating and are all set to swim a distance of 2800 km along the river in 35 days. A rafting team of six members along with vehicles, medication team and staff will accompany the swimmers till the end.

Plan & Objective of the Quest

- The team will have halts at different places like Haridwar, Kanpur, Allahabad, Varanasi, Ballia, Patna and Kolkata.
- At these places, they will create awareness about the various cleanliness programmes of Swachh Bharat, highlighting the importance of health.
- To spread the importance of river Ganga, how it could save the next generations if it is kept clean.

"We will cover a distance of 60 to 80 km a day and try to swim as long as there is sunrise. I recall 3000 km down the river in 2013 (Ganga Book of Records) but swimming is a different sport. The main objective is to create awareness about the ecological imbalances faced by Ganga. We have 35 days challenges as the river is home to crocodiles, gharials and hippos, rhinos, gipsies and soft sunnies" said Commander Paramvir Singh.



THE UNSUNG AMBASSADORS OF SWACHH BHARAT MISSION

Caselet - 1

A remarkable group of anonymous change makers who call themselves "The Ugly Indian" have been quietly transforming dirty corners in cities into bright, attractive public spaces. A completely citizen-run initiative, it sees groups of people come together and take matters into their own hands instead of waiting for a government body to come and clean up their localities, as they "believe that there is no magic wand, or silver bullet, to solve India's civic problems. We are realists, and accept that many of India's problems are hard to solve even if the government and

public work closely together and money was freely available."

In an example of an open garbage dumping site that sat at a prominent intersection of a prime land, the group identified the people who dumped garbage there daily, requested them to stop, and helped them with an alternate system. When they could not figure one out on their own, took charge of the corner and spruced it up, and also policed it for a while till the habit changed. Through a combination of persuasion, emotional appeals, leading by example, and dogged persistence, they are gradually working towards an attitudinal shift away from littering and dumping.

AMBASSADORS





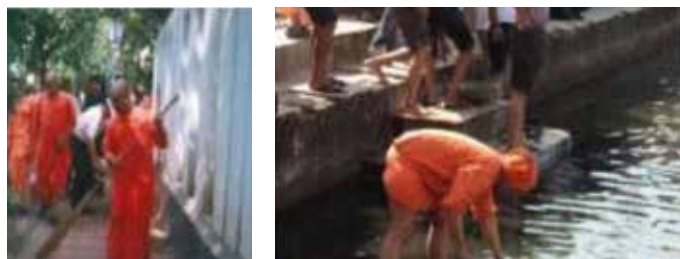
Caselet - 2

Ahmedabad-based Rama Mali is a 102-year-old lady on a mission to clean up the country. Proving that age is no bar when it comes to doing something good, on her 100th birthday in February last year, the centenarian launched a cleanliness drive in Dhana Suthar ni Pol in Kalupur, a labyrinth of narrow lanes in the Walled City. She was inspired in her effort by Mahatma Gandhi’s message on sanitation. For Mali, it turned out to be a memorable birthday celebration. Family members and friends from across Gujarat and Madhya Pradesh arrived for this historic day in her life, where she chose to distribute pamphlets on her birthday to raise awareness about cleanliness. Mali spreads awareness about cleanliness in her locality, distributes pamphlets and makes sure that people use dustbins. She has been canvassing for cleanliness from door to door, asking residents to use dustbins. In her words, “...After I started the campaign, 60% residents in the Pol started using bins.... Now, I am working to engage with and convince the remaining 40%.”

Caselet - 3

Swamijis of Ramkrishna Mission in Bengaluru have been working continuously on Swachh Bharat Mission. They regularly undertake cleaning and painting of roads, public walls, and bus stops etc., to give a fresh look to the city. They also carried out Swachh Mangaluru for Swachh Bharath with cleanliness drive on 15th consecutive Sunday at Milagres Circle in Hampankatta. Students, teachers, volunteers, devotees, staff members, doctors along with the Swamijis, and many more from all walks of life participated in their project with enthusiasm.

Some of their branch centres across multiple states have taken up cleaning of public toilets and constructing them wherever needed. Camps are organized regularly to sensitize people, especially students, about the importance of cleanliness, health and hygiene. Nearby areas, roads and lanes, slums and local water bodies are also cleaned regularly.



Caselet - 4

British national Jodie Underhill, the co-founder of Waste Warriors, has made it her life’s mission to address and solve India’s garbage and waste problem. When she started organizing mass clean ups in McLeod Ganj, some of the locals, and then the media named her the ‘Garbage Girl’. Her motivation and inspiration comes from her love for India and a strong belief that change is possible, however difficult the situation might be. She and her co-founder Tashi Pareek believe in leading by example - trash picking, hiking, managing volunteers, working with waste and waste workers.

Jodie Underhill came to India in December 2008, travelled around India as a tourist and then volunteered at the Tibetan Chil-



dren’s Village in Dharamsala. The garbage situation was something that bothered her every single day so in April 2009 she decided to do something about it. Jodie’s first mass clean up in McLeod Ganj, the home of His holiness, the Dalai Lama, was attended by over 100 people. Soon afterwards, she formed a voluntary organization Mountain Cleaners and started a weekly waste collection from Triund, a remote but garbage stricken mountain camp. Volunteers were recruited to segregate and sort the waste from chai shops and guest houses but also to clean the hiking trail and clear the backlog that had been thrown over the side of the mountain. Triund is now known as one of the cleanest hiking destinations in India.

In April 2011, the model was rolled out to the sacred Gaddi temple Guna Mata, and in November that year extended to Bhagsunag Waterfall, a popular tourist hotspot. Ten dustbins for the local community were purchased. Over time more dustbins were installed meaning that people in the surrounding areas no longer needed to burn or dump their waste. Thanks to the ongoing support of volunteers they cleaned and started maintaining the children’s playgrounds, which until then had been used as dumpsites by local hotels. To stop the waste being dumped there again, Jodie set up a door-to-door waste collection service from businesses and households.

Caselet - 5

For the last 20 years, Vikas Chandra has dedicated his life to cleaning the river Ganga. He has been working with a group of volunteers to clean the holiest and also the dirtiest river of India. Fondly called “Guddu Baba”, Chandra filed a PIL in Patna High Court to make the river pollution-free. Not only this, he manually pulls out dead bodies from the river and cremates them.



CENTRE FOR SCIENCE AND ENVIRONMENT (CSE) DEMONSTRATES SUCCESSFUL DECENTRALISED SOLIDWASTE MANAGEMENT PRACTICES

CSE has started a practice to showcase successful decentralised management of solid waste and also to reduce the discharge of solid waste from its own campus. Solid waste composting is a process to prepare compost from the biodegradable organic material which can be used as soil conditioners or organic fertilizers.

Two types of wastes are generated in CSE:

1. From leftover cooked food (collected from canteen)
2. From uncooked raw vegetable waste (also known as kitchen waste) and dry leaves

Effective Micro-organism (EM) Solution for Composting

EM is a liquid concentrate containing natural micro-organisms which helps in the degradation of the organic compound. It hastens the treatment or decomposition process and also significantly eliminates odour and the problem of flies associated with composting. Preparation of EM solution requires base/culture (mother) solution, jaggery or molasses (sheera) and fresh water.

Preparation of extended EM solution:

1. To 250ml of mother culture, 250 ml of molasses also known as Sheera is added in a container to activate the culture.
2. 4.5 litres of fresh water is added to the above solution and kept undisturbed for five days. This is the extended EM solution for composting.
3. 5 litres of extended EM solution can be used for 20 days.

Preparation of final EM extract from cooked food by the application of extended EM solution:

1. Approximately 3-5 kgs of cooked food leftover/waste from the canteen is collected and stored in a drum of 50 litres capacity every day.
2. 500 ml of EM solution (containing 250 ml extended EM solution with 250 ml of water) is added daily to the container



Extended EM solution added for the decomposition of cooked food and to prepare the extract. Extract obtained from cooked food

(A) (as shown in the photograph below).

3. This process of adding cooked food waste and EM solution is continued for one month.
4. After a month, the container is left undisturbed for a week. This is done to provide sufficient time for complete degradation of the all waste added.
5. In the meantime, a fresh container (B) is used for the same process.
6. After a week, the liquid from the container A is collected in a separate bottle. This liquid contains the final EM extract which is used in composting of kitchen waste.
7. The drum contains gravel as filter material at the bottom of the tank in order to obtain clear fluid. Approximately 25-30 litres of solution is collected in a month.

Composting from kitchen waste (raw/uncooked vegetable) by the application of final EM extract:

1. A three pit system is installed at the CSE premises with a capacity of 4 cubic feet per pit. The dimension of each pit is 2'x2'x1'.
2. Kitchen waste (fruit peels, raw vegetables) of approx 5 kg is added daily in the first pit. This process continues up to 15 days.
3. After 15 days, the partially degraded contents from the pit A are transferred to pit B. Pit A is then free to be filled again with the next batch of the raw materials.
4. This is followed by further degradation in pit B for next 15 days which is then transferred to pit C. This final decomposition takes further 15 days for preparation of compost.
5. The entire process continues for 45-50 days. The prepared compost is dark brown/black in colour.

Note : During compost preparation, final Effective Micro-organism (EM) solution is added in pit B and C to expedite the process.



Raw vegetables and dry leaves added to the pit A Final compost in Pit C
Composting in Pit B and C

Source: <http://www.cseindia.org/content/treating-solid-waste>

Please send your success stories, anecdotes and pictures (high resolution) to:
pdey@niu.org and ssingh@niu.org



STATE-WISE STATUS OF IMPLEMENTATION OF VARIOUS COMPONENTS UNDER SBM AS PER VIDEO CONFERENCE

AS ON 04.09.2015



S.No.	State	Status of Toilets					Status of Solid Waste Management				
		Individual Household Toilets			Cumulative Community & Public Toilets		Ward with 100% door to door collection (Nos.)	Total Wards (Nos.)	Total Waste Generation (MT/D)	Total waste processing (%)	Processing of waste to be achieved by March 2016 (%)
		Application Received (Nos.)	Sanctioned (Nos.)	Completed (Nos.)	(Number of Seats)						
Identified/ Sanctioned	Completed										
1	Andhra Pradesh	333000	110390	7062	6680	0	3072	3276	5980	8	40
2	Andman& Nicobar Islands	115	0	0	69	0	18	18	70	30	65
3	Arunachal Pradesh	17500	0	0	1480	0	18	27	110	15	25
4	Assam	97331	200	0	4800	10	42	883	650	0	20
5	Bihar	92179	80000	927	272	57	192	3229	1670	0	30
6	Chandigarh UT	0	0	0	9052	2424	28	26	340	100	100
7	Chhattisgarh	245484	228518	7112	9849	3571	629	2884	1896	0	10
8	Daman & Diu	0	0	0	0	0	13	28	85	0	0
9	Dadra & Nagar Haveli	0	0	0	0	0	0	15	35	0	0
10	NCT of Delhi	11117	0	0	9233	5776	272	314	8390	52	75
11	Goa	1996	104	110	70	0	197	197	183	25	100
12	Gujarat	396508	396508	309575	5576	510	1525	1730	9227	28	44
13	Haryana	59875	37407	2163	2110	191	332	1449	3490	25	45
14	Himachal Pradesh	416	416	92	0	0	160	502	300	20	25
15	Jammu & Kashmir	1872	95	0	125	6	989	1163	1792	2	40
16	Jharkhand	37000	28000	0	1365	0	117	815	3570	0	25
17	Karnataka	300061	103568	8000	14910	1930	3962	5252	8784	34	40
18	Kerala	0	0	0	0	0	1280	2096	1576	50	70
19	Madhya Pradesh	393930	279944	112307	2400	2180	3134	6855	5079	12	35
20	Maharashtra	202024	51349	1993	5336	2689	203	7054	26820	10	25
21	Manipur	19682	2179	67	30	0	130	315	176	50	60
22	Meghalaya	3105	0	0	193	0	6	114	268	58	84
23	Mizoram	2000	550	300	60	23	66	193	552	4	20
24	Nagaland	9330	0	0	0	0	165	234	270	0	25
25	Odisha	621250	103000	1000	2230	570	300	1012	2460	2	50
26	Pondicherry UT	6590	6590	800	200	33	60	129	495	20	60
27	Punjab	37362	13482	7480	3198	0	1500	2479	3900	10	50
28	Rajasthan	95000	70000	3800	3100	1030	825	5022	5037	15	65
29	Sikkim	1290	40	0	8	8	4	48	49	0	20
30	Tamil Nadu	77879	0	0	7116	2048	9935	13667	14532	15	25
31	Telangana	227139	75961	925	2860	1155	902	1862	5520	48	60
32	Tripura	0	0	0	0	0	0	244	407	0	0
33	Uttar Pradesh	106501	23738	862	1071	0	320	11290	19180	13	27
34	Uttarakhand	25953	20816	76	1260	22	87	706	1013	0.5	25
35	West Bengal	12200	12200	0	0	0	1130	2875	8674	0	0
	Total	3435689	1645055	464651	94653	24233	31590	78003	142580	17.34	35.18

For further details about SBM-U, please visit: <https://swachhbharaturban.gov.in/>

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