



Annual Report 2017-18

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Introduction

ABOUT US

Saahas, with its headquarters at Bengaluru, has been actively involved in Solid Waste Management since 2001. Our commitment towards building Zero Waste Communities is unflinching. We are devoted to finding and implementing new solutions to the ever-growing problems related to the management of municipal solid waste. We work with all the stakeholders like Govt, Corporates, waste generators, recyclers to help build zero waste communities.

VISION

To be a leading source of innovative solutions and strong advocacy for a sustainable ecosystem of solid waste management engaging government, commercial and residential stakeholders.

MISSION

To be the leader in establishing best practices in solid waste management, which demonstrate sustainable solutions and increase awareness and compliance in the community.

OUR OBJECTIVES

The key objectives of Saahas are:

- Maximize resource recovery through environmentally and economically sustainable programs
- Sensitize communities and bringing about behavioral change
- Implement strong monitoring and supervision processes for accurate impact measurement.
- Provide dignified job opportunities for people at the base of the pyramid

Overview and Milestones

The year 2017-18 has seen a tremendous increase in the awareness about solid waste management across the country fuelled by the implementation of Swachh Bharat Mission objectives in achieving total sanitation targets. With the ODF phase having been completed and the SBM moving to ODF+ and ODF-S, the focus has now turned to solid and liquid waste management.

This is reflected in the increase in the number and impact of the projects executed by Saahas in the last financial year. While we have strengthened and stabilized our existing projects, we were successful in initiating exciting new projects. Along the way, our efforts were also rewarded by recognition from the 3R Asia Pacific Forum who awarded us the 3R National Level Excellence Award. Through the regional office in Gurgaon, we were successful in working closely with policy makers and implementing agencies at Central Govt as well as at City Municipality level.

With increased awareness and initiation of enforcement of e-waste and plastic waste management rules, we have seen enhanced interest from our partners to work on these waste streams. Our e-waste program, bE-Responsible has had a huge impact in increasing the awareness about e-waste in the non-bulk segment and we have seen the collections increasing month on month. We have also continued our focus on collection and processing of dry waste as the amount of plastics reaching even remote villages is staggering. As a result, all of our rural programs are centred around source segregation and regular collection of dry waste. With tie-ups with cement plants, we are able to provide safe end destinations for the non-recyclable dry waste.

The three verticals under which we executed our programs are:

- Sustainable Waste Management Programs: rural as well as urban
- Sensitization and Behavioral Change
- Building Reverse Logistics Networks

The highlight of the year 2017-18 was the stabilization of the Alag Karo project in Gurugram and the increased effectiveness of the e-waste project in Bangalore. The Gurugram office was strengthened by the addition of a new Program Director. The program got wide publicity across Gurugram and team worked closely with the Municipal Corporation of Gurugram. Our Program Director, Gurugram was also inducted into the Citizens Monitoring Committee set up by the MCG to monitor the working of the municipality appointed contractor for waste collection, transportation and processing.

In the year 2017-18 we were able to expand our e-waste awareness and collection program to 10 more wards of south Bangalore. We were successful in collecting 8.6 Tonnes of e-waste by the end of March 2018. IT tools were used to automate the logistics and scheduling of our collection system thereby adding more efficiency and accountability to the process as well.

The rural program portfolio got a boost with the addition of 11 villages under the Orohalli Gram Panchayat. A dry waste collection program using an electric vehicle was initiated in these villages. An interesting addition to our urban programs was the Bidar Karez waste management project which was started in a semi-urban area of Bidar.

In an attempt to address the low-income housing colonies of Bangalore, which are facing issues with regular collection of waste and whose residents end up dumping the waste at various black spots on the street corners, we initiated a dry waste collection project around the Puttenahalli lake in Bangalore. In addition to providing door step disposal options to the residents, this project also reduces dumping of waste around the lake.

This year also saw the addition of three new villages and one new area near the railway station to our Beyond the Broom project in Ballari. This project has become hugely successful and has gained wide acceptance among the residents of the villages.

The awareness and behavioural change programs continued with monthly cleanliness drives being undertaken with corporate employees and events on occasion of World Environment Day and World Earth Day. The most popular of the awareness events was at the mass awareness event at IPL 2017 which saw participation by a large number of spectators who had gathered to watch the matches.

Under the vertical of building reverse logistics networks, we piloted the collection and transportation on MLPs to cement factories from two locations.

Some key statistics for the year:

- Number of new projects: 5
- Existing programs stabilized: 4
- Number of villages in project coverage area: 24
- Number of project locations: 5
- Number of Households covered: +28,000
- Waste handled per month: 30 Tons
- E-waste collected per month: 1.5 Tons
- People reached out to through campaigns & social media: +3 Lakh
- Team size: 61

Projects Executed

Some of our key projects in the year 2017-18 were:

New initiatives:

- Ashakirana - Namma Halli Orohalli
- ITC Mission Sunehara Kal -Chikkajala
- Swachha Sthala Swachha Jala- around Puttenahalli lake
- Swachha Sundara Namma Bidar
- Slum Waste Management near Bellandur lake

Continuation of existing programs:

- bE - Responsible, Bengaluru
- Alag Karo, Gurugram
- Beyond the broom, Ballari
- Kasa Rasa 3, Community Waste Management Center in Whitefield, Bengaluru

Behavioural Change & Sensitization Programs:

- Cleanliness drives for Standard Chartered
- Mass engagement event at IPL 2017
- WED program at Fidelity India Ltd.
- Awareness through participation in the TCS Majja run
- Symposium on Circular Economy

Building Reverse Logistics Networks:

- Responsible Waste Management Solutions – Multi-layer Plastic Packaging with HUL

New initiatives in 2017-18

Ashakirana - Namma Halli Orohalli, Orohalli

Started in September 2017

An effort to reduce mixed waste dumping and littering in 11 villages under Orohalli gram panchayat and to implement source segregation and regular door-to-door collection.

Located in the outskirts of Bangalore, Orohalli used to be a beautiful, pollution free cluster of villages till the use of plastic became a common practice the world over. The villages were found to have multiple dumping spots where regular burning of waste took place. Over time this has affected the environment adversely putting the health of the future generations in jeopardy.



Saahas, in collaboration with CSR partner Juniper Networks aims to correct this by spreading awareness about the ill effects of burning waste and inculcating better waste management practices in the people of the village. 11 villages under the Orohalli Gram Panchayat were chosen for this program.

The key components of this project are getting buy in from the GP members and the PDO, setting up of a waste management unit in Orohalli, conducting awareness events, ensuring source segregation, weekly door-to-door collection of dry waste and sorting of the waste to send it to the appropriate destination.

Only collection of dry waste was undertaken as wet waste is largely getting handled at household level itself.

An electric vehicle is used to collect waste from the door step. A waste management unit has been setup by repairing the old Panchayat office and is used for storing and sorting the dry waste. The non-recyclables collected are sent to cement factory of ACC at Wadi for coprocessing.

Future plans for this project include coming up with a plan to make the program for sustainable through funds from the Panchayat itself and by collecting a nominal amount of service fee from the households.



Monthly dry waste collected: 1.5 Tons, Total till March 2018: 8.7Tons
Households + Shops covered: 1221, People reached out to (direct touchpoints): 5000

ITC Mission Sunehara Kal - Chikkajala

Started in January 2018

To implement sustainable waste management practices in Chikkajala with the active support of the gram panchayat and residents.

Chikkajala village is located in an upcoming and prime location at outskirts of Bangalore, on the way to KIA (Karnataka International Airport). Though the Gram Panchayat had procured a tractor for waste collection and 3 staff were deployed for collecting waste, they were primarily collecting the waste from the various dumpsites in the village. There was no practice of source segregation and door-to-door collection of waste. Saahas, with the help of CSR partner ITC stepped in to use the existing infrastructure and manpower to implement scientific waste management practices which will lead to better resource recovery and clean neighbourhood.



The program is being implemented in stages and the phase 1 initiated in this year covered 350 houses. Along with promoting source segregation and setting up collection & sorting infrastructure, a key component of the program is to promote home composting. A committee consisting of prominent citizens of the community has been formed to monitor the program. User fee will be charged to cover up the extra expenditure incurred by the panchayat due to segregated waste handling, sorting of dry waste and sending the non-recyclables to the appropriate destination.

The highlight of the program is community participation by paying user fee and monitoring of the collection and processing through the committees.



Collection started in March 2018. Total dry waste till March 2018: 0.25Tons
Households + Shops covered: 350, People reached out to (direct touchpoints): 1750

Swachha Sthala Swachha Jala - Puttenahalli lake project

Started in January 2018

Reducing the dumping around Puttenahalli lake by establishing regular collection of dry waste in the localities around it.

Bangalore is known for its lakes and is estimated to have 189 natural lakes in its limits. But one look at the city reveals an ugly picture of human occupation. Many of these lakes are less like natural water reservoirs that provide rich habitat for varied species and more like filthy and stinky sewers.

Puttenahalli lake has been revived by the sustained and dedicated efforts of PNLIT over the last few years. Saahas, with support of CSR partner ThoughtWorks, is contributing to improving the cleanliness around the lake by providing waste collection services in the low-to-middle income localities around the lake.



Absence of a regular waste collection mechanism in the area is leading to rampant dumping of waste in the streets around the lake. The objective of the program is to implement source segregation and establish collection services in the areas around the lake. Through the program, weekly dry waste collection has been introduced in 2 layouts (Natraja layout and Lakshmi layout) closest to it and a slum on its banks.

Along with collection, awareness campaigns about importance of source segregation and ill-effects of dumping are also conducted in the areas.



Collection started from 28th March 2018, Total dry waste till March 2018: 0.2Tons
Households + Shops covered: 500, People reached out to (direct touchpoints): 2000

Swachha Sundara Namma Bidar

Started in January 2018

Waste management around the revived heritage site of Karez system - a UNESCO heritage site.

One of the most unique features of Bidar is the historic “Karez” system - an ancient water harnessing technology that originated in Iran / Persia. This is a UNESCO recognized site that dates back almost 500 years.

Taking into account the dry terrain of Bidar this hydraulic system is still being used to its full potential to provide fresh water for drinking and domestic purposes.

Unfortunately, the increasing population of the area has led to solid waste making its way into this system, polluting its waters and putting the lives of the residents in jeopardy.



Saahas, in association with Deccan Heritage Foundation has launched a project to establish waste collection and processing in the areas falling under the impact zone of the Karez system. This is a semi-urban area where practically no collection system was in place.

The objective is to establish waste collection and processing infrastructure for both wet and dry waste in 650 houses and 150 shops. The entire project team is locally hired and we are working closely with the CMC, Bidar.

Collection of dry waste from 400 houses started in phase I. A visible reduction in dumping and burning of waste has been observed. The plastic ban imposed by the municipality has supplemented the waste reduction of the project team. The CMC of Bidar has recognized and honoured our staff for their efforts.



Collection started from 27th March 2018
 Total dry waste till March 2018: 0.43Tons, total wet waste till March 2018: 0.2Tons
 Households + Shops covered: 400, People reached out to (direct touchpoints): 2000

Slum waste management near Bellandur lake

Started in August 2017

Dry waste collection in slum near Bellandur lake

This was the first project where we started working in a low-income locality with temporary settlements. The project, supported by Akamai Technologies, covered an area where around 175 migrant families were residing. The objective was to set up dry waste collection within the locality, to eliminate dumping and burning of waste in the area. The collected waste would be sold to the nearest DWCC by the entrepreneur who would run the entire collection program.



A slum dweller was identified for the program who had started the collection. Source segregation was implemented and the dry waste was collected in a tricycle belonging to the collection staff. Approval for collection from BBMP and the local corporator was obtained in Nov 2017 and collection started. However, in Dec 2018, the slum was razed down by the authorities due to some illegalities in land records. This led to the migration of the families and the project had to be closed.

Collection started from 23rd Nov 2018, Total dry waste till December 2017: 0.34Tons
Households covered: 175, People reached out to (direct touchpoints): 500

Initiatives continuing from 2016-17

Alag Karo, har din teen bin

Continuing from last financial year

Source segregation awareness and implementation program in Gurugram

Started in January 2017, this project aims at spreading awareness and implement source segregation. It is being funded by CSR partners GIZ, Coca-Cola India Pvt Ltd and Tetra Pak India.

After a successful a very successful first year, the project is still going strong and is being implemented in Apartment, Offices, Tech parks, Malls and Educational Institutions.



The project aims to cover 40 RWAs / 20,000 households, 50 schools, 50 commercials, and upliftment of 500 waste workers. It has already connected to 32 RWAs / 16,000 households, 19 schools and has reached out to 499 waste workers.

Along with various awareness and training sessions in school, RWAs and commercials, the project has also partnered with various high-profile public events like Amity Walkathon, Artemis Walkathon, Trail-A-Thon, Adhikaron Ka Mela as a zero-waste partner to manage the event's waste. An exciting set of collaterals have been created under this program and are being widely used in awareness activities.

Major challenges in this project include sustainability of the program in any area as there is an absence of proper existing collection mechanisms. Finding proper end destinations for segregated waste is the next challenge as there is hardly any industry set up for these purposes in that area. In spite of all these basic challenges, there is a continuous increase in the number of onboarded apartments, schools and offices. The program is slowly gaining recognition and more and more people are approaching us for help in implementation of the program.

RWAs covered: 18, Households covered: 4400, Schools covered: 11,
Commercial Establishments covered: 1, Waste workers trained: 197,
People reached out to (direct touchpoints): +7,000
People reached out to (through social media): +1.5Lakh

bE - Responsible, Bengaluru

Continuing from last financial year

An initiative for environmentally responsible collection and recycling of e-waste in Bengaluru

Launched in November 2016, in partnership with Environmental Strategies in Development (ENSYDE), this program aims at creating awareness about the ill effects of irresponsibly disposing e-waste on the environment and health. The program also aims at facilitating collection of household e-waste and stream it to authorized recyclers for responsible processing.

Awareness by various means like workshops, campaigns, e-mails and social media are conducted regularly to extend the reach of the program.



The program was started in association with VMware as a CSR partner. We had a very eventful 2016 with various institutions, RWAs, schools coming on board to support the initiative and use the collection services to dispose their e-waste.

In the year 2 of the program, 10 more wards of south Bangalore were added to the program and 11 public bins placed in various public places to facilitate e-waste collection. Keeping in tune with a successful 2016-17, many more campaigns and awareness sessions were conducted and 8.6 tonnes of e-waste was collected till end of 2017-18.

An app for bE-Responsible was developed using Zoho to facilitate automated scheduling and better management of the logistics of the program. The app also provides complete transparency of the flow of e-waste from source to the recycler.

In the next year GPS based vehicle tracking will be implemented and on ground campaigns will be assisted by focussed digital marketing.

Average monthly collection of e-waste: 1.5Tons, Cumulative from start of project: 8.6Tons
 People reached out to (direct touchpoint): +20,000, People reached out to (Social media) : +65,000

Beyond the Broom

Continuing from last financial year

Rural waste management program in 12 villages of Ballari dist.

Started in 2015 in partnership with CSR partner JSW, the main focus of this project was awareness and implementation of source segregation and door-to-door collection in the 12 villages surrounding the JSW plant in Toranagallu. This was the first rural program of Saahas and it has now entered its 3rd year.



There is practically no waste management being practiced in most rural areas of Karnataka. Even in Ballari dist., there was a lot of dumping and littering on the streets which was leading to multiple health issues for the people living in the villages.

To solve this issue, Saahas has been running this project from the past two years, in 9 villages. 3 new villages, Talur, Basapura and Kurekuppa were added in this financial year. Another NGO, Vikas, was already working in some of these villages for the past 8 years providing services of street sweeping and drainage cleaning. During this financial year, Saahas partnered with Vikas to extend the project to cover villages being handled by Vikas. Vikas changed their execution and started following the Saahas model of waste management by focussing on door-to-door collection and resource recovery rather than sweeping and drainage cleaning. As they were working in the 3 larger villages of the region, their partnership in the program enhanced the project impact.

Monthly dry waste collection: 25Tons, Total dry waste till March 2018: 345Tons
 Households + Shops covered: 21,300, People reached out to (direct touchpoints): +50000

Volunteer Engagement & Awareness Activites

Volunteer Engagement Events

During the entire duration of the year, there was a lot of focus on carrying out awareness activities in addition to regular project activities. Some of the bigger campaigns were:

- Monthly Cleanliness drives for Standard Chartered volunteers in Lalbagh
- Mass engagement event at IPL 2017
- WED program at Fidelity India Ltd.
- Awareness through participation in the TCS Majja run



Circular Economy Symposium

Location: IIM, Bangalore

Date: 10th Feb 2018

A symposium on “Circular Economy in Action” was organized by Saahas in association with Saahas Waste Management Pvt Ltd. The event was held to commemorate 16 years of formation of Saahas.

The symposium brought together thought leaders from different backgrounds to deliberate on four key drivers of CE:

1. Public Movement, Policy, Regulations and Enforcement
2. Producers and Recyclers
3. New Age Organizations and New Business Models
4. Livelihood Generation and Skilling

Each topic was deliberated by 4-5 panelists and experts from different stakeholder segments and the outcome of the deliberations was presented to a wider audience of around 70. Specific call for action was identified for each of the key drivers identified.



Partners in 2017-18



Balance sheet & Financial Statement

Balance Sheet 2017-2018

Balance sheet as on 31.03.2018, all figures in ₹							
LIABILITIES	INDIAN	FCRA	TOTAL	ASSETS	INDIAN	FCRA	TOTAL
General Fund as on 31.3.18	72,28,224	66,19,747	1,38,47,971	Fixed assets as on 31.3.18	4,99,524	15,66,624	20,66,148
Current Liabilities	26,42,533	4,70,242	31,12,775	Current assets	30,60,644	74,000	31,34,644
				Cash and Bank Balances	63,10,589	54,49,365	1,17,59,954
	98,70,757	70,89,989	1,69,60,746		98,70,757	70,89,989	1,69,60,746

Financial Statements

Income and Expenditure Account for the year 31.03.2018, all figures in ₹							
EXPENDITURE	INDIAN	FCRA	TOTAL	INCOME	INDIAN	FCRA	TOTAL
Project Expenses	1,13,31,743	50,33,216	1,63,64,959	Donations	1,12,215	1,13,163	2,25,378
Administration Expenses	3,41,312	67,829	4,09,141	Donations in Kind			0
Depreciation	75,528	2,80,995	3,56,523	Grants	1,68,05,434	66,40,933	2,34,46,367
Surplus	57,26,801	15,58,369	72,85,170	Consultation Fee	4,04,494		4,04,494
			0	Income from E-waste	68,864		68,864
			0	Bank Interest	83,758	1,86,313	2,70,071
				Sundry Creditors Written back	619		619
	1,74,75,384	69,40,409	2,44,15,793		1,74,75,384	69,40,409	2,44,15,793

Human Resources

Salary wise Staff Distribution			
Slab of gross salary plus benefits (₹ Per month) CTC	Male	Female	Total
Up to 10000	8	21	29
10000-25000	20	4	24
25000-50000	2	3	5
50000-100000	0	3	3
100000 above	0	0	0
Total	30	31	61

Gender	Full time	Part Time	Paid Consultant
Male	30	0	0
Female	31	0	0
Total	61	0	0

Board Members

SI No	Name	Role	Nationality	Year of Joining	Occupation
1	Mrs. Wilma Rodrigues	Founder member	Indian	2001	CEO, Saahas Waste Management Pvt Ltd
2	Mr. Nagesh Manay	Member	Indian	2001	CEO, Opus CDM
3	Mr. Viswanath Gopalakrishnan	President	Indian	2013	Founder/Director, Organisations & Alternatives Consulting
4	Mr. Subrahmanyam Ivatury	Member	Indian	2013	CEO and Co-Founder, Social Convergence
5	Mr. Ashish Patel	Treasurer	Indian	2016	Director, CMCA
6	Prof. P D Jose	Member	Indian	2016	Professor, IIM Bangalore
7	Dr. Divya Tiwari	Secretary & CEO	Indian	2016	CEO, Saahas

- None of the Board Members have any blood relations with any other Board Member
- None of the Board Members and staff have made any International travel trips funded by Saahas during this period
- None of the Board Members receive any remuneration from Saahas
- Last Board rotation happened in 2015 with 2 members moving out and 2 new members joining

Contact Information

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