SANJEEVANI S3

SIMPLE!! SMART!! SUSTAINABLE!!

Plastic Recycling - Informal Sector

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Started in 2015 with the goal of improving the health of Mumbai and its residents through an efficient sub-urbanised waste management system with composting and recycling at its forefront.

We have experts in the field of Mechanical engineering, Biochemical engineering, Sustainable development (GRI certified), Social work, Disaster management (MCGM assisted), Global warming & Climate change (UNFCCC certified).

Our team members have worked in some of the best laboratories of the country (DBT-ICT centre for energy and biosciences) on industrial projects like carbon sequestration & Waste to energy/ Value addition from waste.
We provide a complete solution to the followings:

- **IEC Programs**
  - *Phenk Mat Mumbai*: With CII and SBC3; Covered 200 schools and 33 colleges.
  - *AHAR*: Trained more than 200 restaurants in Mumbai to follow segregation.

- **On-site processing system**

- **Off-site**
  - Centralized Bio-gas Plant
  - Material recovery facility

- **R&D Center**
Plastic recycling survey

- Covered more than 100 informal vendors.

- Trend: Primary sorting – Rag picker/Housekeeping staff
  - Secondary sorting – Local kabaddi waala
  - Tertiary sorting – w. r. t. colour/types
  - Shredding / Washing
  - Pelletization
Observations

- Sector running for decades.

- Defined approach:
  2. Plastic materials not making money – Dumped/Burnt

- Plastic pellets and products out of pellets were made next door.

- Machines used to make in-gots/buckles/clips were locally made.

- No awareness w. r. t. plastic pollution/problems.
Suggestions

- Recognition – They are actually the front runners for plastic recycling.
- Mapping the flow with both quantitatively and qualitatively.
- Channelizing reject.
- Producer making simpler form of plastic to strengthen the lobby of recycling. Eg. PET – India recycles 70-80%, highest in the field of plastic recycling.
THANK YOU

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IMpact REPORT
2018-2020

WE PROMISED

SOLID WASTE MANAGEMENT

WE DELIVERED

62 Societies
were sensitised and made aware of the benefits of at source segregation and waste management.

14,164 Individuals
were trained on categories of domestic waste and appropriate methods of disposal.

1,980 tonnes of municipal solid waste is processed every year in Sanjeevani’s centralised and decentralised composting systems.

19,297 Trees (maintained for 40 years)
equivalent carbon footprint reduction through onsite and offsite waste processing.

4,950 Litres
diesel saved per year by averting the waste from being transported to the dumping grounds.

50 Women from underprivileged communities are serving as waste managers at Sanjeevani’s processing units.

Annual waste processing facilities at Sanjeevani S3 have averted emissions of 693 tonnes/year of CH4 and 1,972 tonnes/year of CO2 into the atmosphere.

If you have any queries please write to us on sanjeevanis3@gmail.com

www.sanjeevanis3.com