

TOGETHER WITH COMMUNITIES



Co-processing of SCF to solve Community SWM Issue

Need for the Project



**Monthly Average of
Waste Generated**
– 120 Tones



**100% of the waste
directly dumped in land
fill.**



**waste choking the
drainage lines**



**Waste collected at
irregular intervals.**



**Fire in dump yards due to
combustible materials
present in waste**



**Need for the project
was the main agenda
in community meets**

Community Public Private Partnership



The program is being implemented in Community Public Private Partnership Model

ACC , Madukkarai Spl. Grade Panchayat and Hand in Hand/SEED Trust are associated partners.

The project strengthens the solid waste management of the Panchayat to solve community concerns

The project duration is for 5 years.

The project is developed in self – sustainability model, after the completion it can continue its function.

Process of SWM

Before Intervention



100 % of the waste directly dumped in Landfill



Land fill

Process of SWM

After Intervention

Source Segregation



0 % of the waste dumped in Landfill

Non-recyclable Combustible Fraction (SCF)

Co-Processing



Recyclable Materials

Reusing, Recycling



Organic Waste

Organic Manure



Role of Resource Recovery Centre-Recyclable Materials



- Avg. One Tonnes of Recyclable waste/per day is being effectively collected and segregated .
- 8 Category of Segregation is being done
- Plastic shredder is used to shred plastic waste which is used in laying of plastic roads.
- The non-recyclable plastic waste are bailed and send for co-processing.



Role of Resource Recovery Centre-Organic



- *Organic Waste are effectively recycled as organic compost*
- *The resource centre handles avg. 2 tonnes of Organic waste/per day effectively*
- *Organic Compost & Vermin Compost are manufactured in the Resource Centre*
- *Vegetable garden is created to check the nutrients of the compost.*

Creating of Resource Center



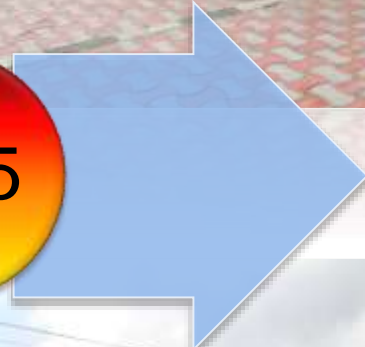
2013



2014



2015



Segregated Combustible Fraction (SCF) as Alternate Fuel

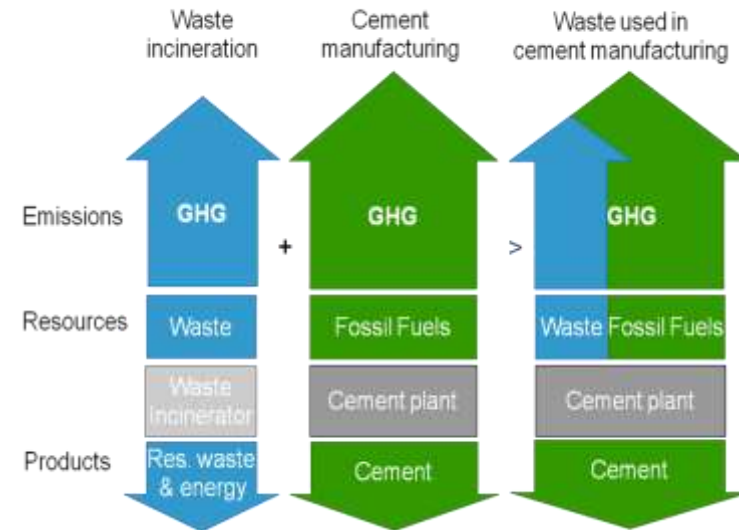


- *Co-processing of non-recyclable SCF as alternative fuel.*
- *Replacing usage of fossil fuels.*
- *Effective way of disposing waste that was a cause of concern hitherto.*
- *A locally viable, environmentally & economically sound waste disposal alternative*

Monthly 10 tones of Plastic waste is been disposed effectively



Reduction of Green House Gases



Creating Dignity in Work



- 55 SHG women from local community are trained to implement this initiative.
- We have named our garbage collectors as “Green Friends”
- They collect the garbage from the house and do the source segregation.
- They are involved in maintain the compost yard.
- The green friends are provided with uniforms, identity cards , personal protective equipments.
- They are also involved in awareness and campaign programs.



Avg.Monthly Income- Rs.4,000/-

Impact of Clean & Green Madukkarai



- *100% Door to Door collection of domestic waste*
- *Clean Streets*
- *Planted over 3000 trees*
- *Leveraged Rs.1 Crore for Solid Waste Management from various Govt.Schemes*
- *25% Reduction in water & air borne disease in Panchayat.*
- *No blockage in drains.*
- *Zero Landfill Panchayat*
- *More than 5000 students have been trained in Solid Waste Management Principles.*



AWARDS

- *BT-CSR excellence Award -2016*
Waste management
- *Swachh bharat mission Recognitions – 2016*
Solid Waste management initiative
- *Clean & green india award 2016*
Solid waste management initiative
- *Skoch order of merit – 2016*
Clean Green Madukkarai - Environment
- *CSR community initiative award*
Waste management -2015
- *IInd CSR Impact award - 2015*
Solid Waste Management



AWARDS

- *Mother Teresa Awards – 2014*
Corporate social responsibility
- *Global CSR awards*
Best community initiative – 2013
- *ECO Award - 2013*
Best public private partnership initiative
- *Sparsh best CSR initiative*
NITIE Mumbai – 2013
- *Responsible business award*
Clean Green Madukkarai - 2013



Video Documentary of
Clean & Green Madukkarai- 5 mts

THANKS

