

Tiruchengode Rotary Solid waste Management Project



- Help disposing of the solid waste-refusal generated in Tiruchengode Town in a safe, scientific and non-hazardous way.
- By that save the environment
- And by that save public and sanitary workers from health hazards and help them lead a healthy life

PROJECT LOCATION and the NEED



- Tiruchengode is a small town in the Southern Indian state of Tamil Nadu. The town is consisting of nearly 35,000 households with a population of over 100,000 people.
- Tiruchengode town generates 29 tons of waste every day.
- Out of that 16 tons are composted.
- After segregating reusable, recyclable, electronic waste et al. there still remains 7 tons of waste as refusal, which has to be safely disposed off everyday.
- But there is no safe disposing system in place.



Need for the Project



- These solid waste refuse is piling up and spoils the environment and poses a big threat to the local community.
- Piled up solid refuse waste becomes a breeding paradise for diseases.
- Once the solid refuse waste pile becomes too much, the sanitation workers burn it in the open-air, which poses a big threat to the health of not only theirs' but also the surrounding communities.
- The need is to address disposing of the left over solid waste refuse by safely incinerating it by installing Solid waste incinerators.

Community needs assessment



- Community needs assessment has been conducted by RC Tiruchengode extensively on

- *24 July 2020*
- *10 August 2020*
- *12 August 2020*
- *26 August 2020*
- *9 September 2020*



- The needs of the community has been ascertained through the stake-holders



OVERVIEW of Project



- Tiruchengode Municipality has a good mechanism in place and required infrastructure to collect the waste from the community; and to segregate it, compost the compostable, disburse the reusable and recyclable waste.
- Community co-operates and hands over the waste segregating it in two parts as decomposable and non-decomposable waste.
- Tiruchengode Municipality has sufficient manpower and infrastructure to handle the waste segregation further .

OVERVIEW of the Project

Tiruchengode Rotary Solid Waste Management Project will install



- Incinerator with air-pollution control unit and emission stake (effective height 30 meters)
- Automated waste feeding with shredder with suitable conveyor system
- Tiruchengode Municipality is willing provide enough space to install the incinerator equipment.
- Tiruchengode Municipality is willing to take over the incinerator units and run and maintain them at their own cost.

Project Outcome



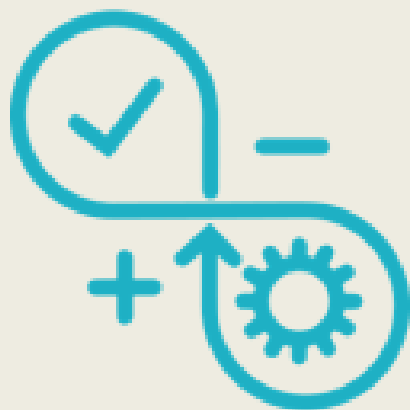
- Burning the waste using incinerator with scrubbers on daily basis and using the tall chimney avoid smoke / dust and will keep the area clean and with unpolluted air.

- Disposing of the waste refusal on daily basis will avoid dumping of waste and will result in saving the ground water from contamination and breeding of mosquitos and other insects.

- Nearly 1000 families living around the waste-dumping and waste-burning area will be free from water contamination, air pollution and insects. And they will be saved from diseases and will lead a healthy life.

- Sanitary workers who work at the dumping yard and burn the waste in open air will be saved from diseases and will lead a healthy life.





- Tiruchengode Municipality has also agreed to take over the incinerator units and run and maintain them at their own cost.
- Tiruchengode Municipality has enough tax revenue and government allocations to meet the recurring and maintenance expenses.
- The residue of the burning of waste refusal, ashes, will be sold to many of the ash brick manufacturers around the town.

BUDGET

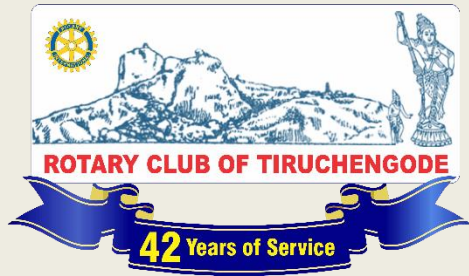
SI No	Description	Value in INR	Value in US \$
1	Incinerator Unit with accessories	6,609,770	89,321
2	Foundation, Semi permanent shed, effluent treatment tank, and all associated civil work Approx.	400,000	5,405
3	Contingency	350,489	4,736
	Total Value	7,360,259	99,463

FUNDING PROPOSAL

FUNDING PROPOSAL

Sponsors	DDF \$	Cash \$	TRF Match \$	Total \$
Rotary Club of Tiruchengode	10,000		10,000	20,000
RID 2982	2,500		2,500	5,000
Available on hand	12,500		12,500	25,000
Total Project Value				99,463
Sponsors (expected)	37,232		37,232	74,463

HOST COUNTRY SPONSOR



- Rotary Club of Tiruchengode is a 42 years old club
- 70 active and involved members.
- The Club has accomplished 15 Matching Grants and Global Grants successfully.
- It has 100% compliance record in TRF reporting requirements.

Contact Information

PDG Shanmugasundaram, T

Email: ts@sagarsyn.com

Mobile: +919842755455



Please support this worthy project
and help more than 1000 families
live a healthy life.

Thank You!



Club ID : 15892 RI District 2982