Aerated and non-rotational wet garbage composting unit

Overflowing landfills and deteriorating soil quality has led to the introduction of composters. The technology is an innovative vermicomposting/ bio composting unit that decomposes the wet waste using natural energies such as aeration, direct solar heat, solar hot water and vented waste heat from air conditioners. It mitigates the shortcomings of conventional composters.

USP & Competitive advantages of technology

- Segregates wet waste at source
- Customizable composting unit
- Effective ventilation/aeration
- Cost effective and maintenance free
- Saves electricity upto 30Kg /per day
- Can be installed on land surface and on terrace
- Reduces wet waste transportation challenges
- Utilizing direct solar heat for vapourisation
- Easy collection of compost tea and compost
- Odour less composting unit, prevents flies, rodents and animals
- Reduces environmental pollution by utilizing the waste heat from air conditioner
- Suitable for wet waste management at large settings such as society, flower market, vegetable market and fruit market etc

Development status: *Prototype validated*

IP Status: *Indian patent application filed*

Seeking partner for licensing the technology

For more information contact at reema.fitt@gmail.com

i-TTO, a regional tech transfer office established at FITT with support from NBM, BIRAC

14.10.2021