

Concept Paper
Webinar on "Waste to Energy: Opportunities & Challenges"

Background:

Solid waste management is currently a major issue worldwide with numerous environmental implications. Many developing countries as well as countries in transition still lack basic waste management infrastructure and awareness. It is here that many of the solid waste management opportunities could be tapped by solving the existing challenges.

On the other hand, there are many developed countries having significant margins of improvement within their waste management systems to reach worldwide state-of-the-art engineering, health and safety standards. These developed countries are still characterized by a heavy dependence on landfilling (both engineered and non-engineered) and diverging, and generally experience low levels of recycling and composting, as well as non-optimal number of waste-to-energy schemes and plants.

Introduction:

Waste-to-Energy (WtE) consists of a proven and continuously developing spectrum and range of technologies in a number of developed countries. Waste-to-Energy is usually understood to encompass a broad range of energy from waste approaches and techniques including incineration, pyrolysis, gasification, anaerobic digestion and co-combustion. However, its integration in developing countries and systems in transition is often faced with skepticism and a complex set of barriers which are quite unique and differ greatly from those where WtE has been validated and applied over the years. Through this webinar SAARC Energy Center (SEC), through relevant experts would try to address different WtE aspects related to developing countries and transient waste management systems.

Objectives:

The objective of the proposed webinar is to discuss opportunities and Challenges for the SAARC Member States both theoretically and using concrete examples. SAARC Energy Centre proposes this Webinar under its thematic area of Programme to "Minimize Oil Imports through Improvements in Energy Efficiency and Fuel Substitution (PROMO)".

Major Aspects/Topics to be covered during the Webinar:

Webinar may cover following topics but not limited.

- Waste to Energy Technologies,
- Deployment Requirements of Waste to energy
- Useful lessons and rules of thumb,
- Both successful and failed cases,

- Real-life examples and developments
- Deployment Strategy for SAARC States
- Lessons learnt from the Success Stories across the world
- Challenges and Opportunities
- Conclusion and way forward

Venue of the Webinar:

Webinar will be organized at SEC, Islamabad premises.

Activity Wise Time Schedule (Monthly Milestones):

Activities	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V
Webinar Announcement											
Schedule webinar in the selected tool, publicize the webinar, Register attendees, finalizing of experts/resource persons and administrative preparation including mock run, till the final holding of Webinar											
Holding of Webinar											