



Concept Note

WEBINAR 5

Date: 20th May 2020 | 14:30 – 17:00 hrs

Theme:

Impact of COVID-19 on plastics consumption, innovation, logistics and waste generation (including PPEs and wastes from Health Care Facilities) and related challenges.

Background:

The current pandemic of the novel corona virus, COVID-19, has brought various challenges to global and local economic systems, essential services and the health sector. The health sector industry has come into intense activity especially in the context of production / consumption and innovation of PPEs and expansion in polymeric textiles and plastics usage in the domain. Further, have arisen significant challenges regarding municipal and bio-medical waste management practices and procedures (safety and health measures for employees, waste treatment requirements, general procedures introduction / amendments etc due to corona virus, and need for improvement in waste management sector due to disposal of growing quantum of PPEs as well).

Objective:

Understanding the problem of Covid-19 and plastics and waste management process in pandemics, and the issue of innovations and applications in PPEs and medical devices in Health sector, and concerns regarding their disposal and bio-medical waste management aspects.

The session shall cover the following topics:

- Covid-19 and pandemics - the implications on plastic material consumption
- PPEs - Types and composition, production and consumption scenario and value chain features.
- Demand analysis and coordination of delivery to establishments including Health Care Facilities and Law enforcement arenas and especially in the wake of epidemics.
- PPEs and Medical equipment: Historic designs and emerging innovations for plastics and polymer usage - besides need for reuse - recycling, disinfection and microbes control and management (IIT / Endoluminal sciences).
- Standards and specifications concerning PPEs (including masks, coveralls / suits, gloves etc) and their testing.
- Use of PPEs by Doctors, Nurses and health care specialists and desired features to enable due patient care and patient testing and diagnostics stages while addressing pathogen related risks control.
- Existing Bio Medical Waste Management system in India and the guidelines and initiatives to tackle Covid-19 epidemic scenario for the BMW Management facilities (BMW Management Facility).
- Homemade PPEs and masks and use of PPEs by citizens : The expansion of bio medical waste management challenge.

Expected Outcome:

Recommendation for approaches to PPEs Value chain management during epidemics / pandemics.