

CIPET: PWMC, Bhagalpur provides one stop solutions to polymer industries for managing waste plastics through latest recycling technologies and training.

To become an apex Institute of International repute in the field of Plastic Waste Management and ensure sustainable growth



CIRCULAR FRAMEWORK

REDUCE

Do better with less

REUSE

Use longer

RECOVER

Make waste history

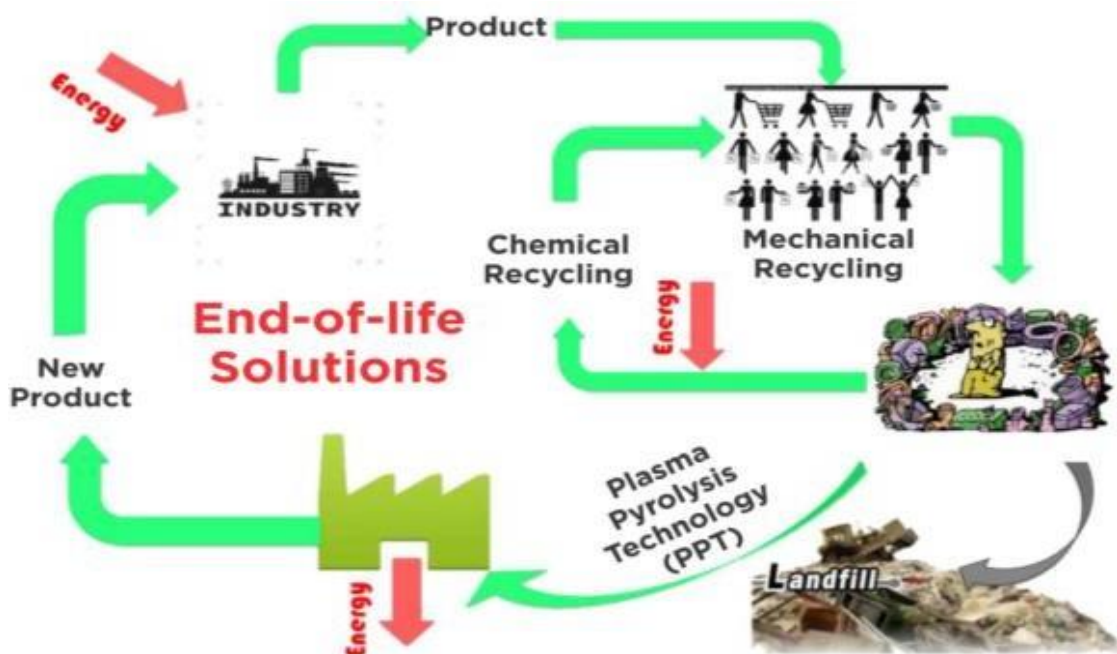
RETHINK

Redesign the system

REGENERATE

Harmonize with nature

- To offer specialized Skill Development Training Programs in the field of plastic recycling in order to provide qualified Human Resources with entrepreneurship qualities for plastic waste management industries;
- To develop Indigenous Technology, Applications & Handholding Entrepreneurs by Technology Transfer, Intellectual Property (IP) and Knowledge Base.
- To provide Technology Support and Consultancy Services in the fields of plastic waste recycling, value addition, testing & characterization of recycled materials & products, to the plastics processing and allied industries.





Central Institute of Petrochemicals Engineering & Technology (CIPET) [formerly Central Institute of Plastics Engineering & Technology), a Premier National Institution under the Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India, has dedicated its services to Skill Development, Technology Support, Academic and Research (STAR) activities in the field of Petrochemicals. CIPET operates from 47 locations spread across the country to cater the needs of the Polymer and allied industries.



Central Institute of Petrochemicals Engineering & Technology (CIPET) – Bhagalpur is being established jointly by Govt. of India & Govt. of Bihar with a total project cost of Rs. 40.10 Crore. The campus spread in the area of 8 acres, is being developed in Aliganj, Bhagalpur by Govt. of Bihar. The campus is consist of Administrative Building, Academic Building, Work Shop, Tool Room, Processing shop floor, Plastics Testing Labs, Library, Boys & Girls Hostel and adequate green space for extracurricular activities



Plastic Waste Management Centre (PWMC) established at CIPET Campus, Anand Marg Colony, Alignaj, Bhagalpur with the support of Ministry of Chemicals & Fertilizers, Govt. of India. The Centre have State-of-the-Art facilities for recycling of various types of waste plastics and provide training to the stack holders. The aim of PWMC is to develop skilled manpower for plastic recycling industries, develop recycling technologies, provide technical support services to industries, create awareness in the society to manage plastic wastes. The Centre will also play pivotal role in developing employment opportunities especially for youth, self-employment and entrepreneur development though various skill development training programs.



FACILITIES & MACHINARIES

The PWMC has state-of-the-art facilities for Sorting of waste plastics, Automatic washing line, Lumps Grinder, Extruder with palletiser, Pyrolizer etc. to the recycling of more than 3 tons of various segregated plastics wastes (Category I-Rigid plastics packaging, Category II – flexible plastics packaging & Category III - multilayer plastic packaging) and E-Wastes.



Automatic Inline Washing and Size Reduction Machinery



Single Screw two Stage Extruder



Lump grinder



Film grabber



ETP Plant



Ballistic Screen

SERVICES OFFERED

- Technical Support Services
- Skill upgradation Training Programs
- Workshops / Seminars

Technical Support Services:

- Plastics waste to pellets conversion
- Recycling of different waste plastics
- Testing & Characterization of recycled materials and Products
- EPR credits

Skill upgradation Training Programs:

- Identification, Sorting & Segregation waste plastics (05 days)
- Plastics Waste Recycling Techniques & Process (05 days)
- Plastics Waste Management and Recycling Process (05 days)
- Machine Operator - Plastics Recycling (06 months)

**KNOW
PLASTICS**

Workshops/Seminars:

- Plastics Waste Management Rules & Guidelines
- Waste to Energy (Mechanical Recycling, Pyrolysis)
- Polymer Materials, Classification & Applications

**NO TO
SINGLE USE PLASTICS**

Course Contents:

Plastic recycling- Indian context - Global scenario- Polymer Materials- Classification- Plastics Processing -Testing- Identification of plastics-Plastics Recycling Techniques - Process -Sorting Segregation- Washing - Operations of recycling equipment - Quality control & Characterization of recyclates - Waste to Energy (Pyrolysis)- Plastic Waste Management Rule, guidelines and EPR.

Salient Features of Training Programs:

- Theory and Practical Sessions
- Lectures, assisted with models and multimedia aids
- Guest lecturers from industrial / Domain experts
- Hands-on practical exposure equipment / machinery
- Training Materials
- Course completion certificate

Target beneficiaries:

Students, industrialists, municipality workers, entrepreneurs, etc.



PLASTIC WASTE MANAGEMENT CENTRE (PWMC)
CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)
(Department of Chemicals & Petrochemicals, MoC&F, Govt. of India)
CIPET Campus, Anand Marg Colony, Aliganj, Bhagalpur - 812005
Contact details: +91-7781020335 / +91-9116776607
E-mail: bhagalpur@cipet.gov.in, website: www.cipet.gov.in

