



Government of India  
Ministry of Science & Technology  
(Department of Science & Technology)

## **Waste Management Technologies (WMT) Program** **2<sup>nd</sup> Call for Proposals**

DST is inviting project proposals in the following specified areas from Academic Institutes and R & D organizations:

- 1 **E-Waste** (Electrical & Electronics Waste): Recycling & Recovery
  - 1.1 Development of simple indigenous material recovery technology for specific applications (precious & other metals, plastics, glass and rare earths) in collaboration with industry.
  - 1.2 Green Product development and Design for recycling.
- 2 **Industrial Hazardous & non-hazardous Wastes**
  - 2.1 Mining Waste: Overburden, Tailing Pond
  - 2.2 Metallurgical Waste
  - 2.3 Cost effective treatment of refractory organics
  - 2.4 Recycling/recovery of value added materials from hazardous/non-hazardous wastes
  - 2.5 Solid Waste from Chemical Industry (such as adsorbents like ion exchange resins, activated carbon, clays, membranes)
  - 2.6 Membrane rejects and Salts
  - 2.7 Industrial sludges
  - 2.8 Industrial spent solvents and chemicals
- 3 **Newer technologies for Biomedical Waste**
- 4 **Urban & Rural Solid Waste, including Plastic Waste**
  - 4.1 Existing Landfills: Gas Extraction, Leachate Treatment, Material Mining, Remediation, Value-added Material Recovery
  - 4.2 Non-recyclable packaging material.
  - 4.3 Household hazardous waste
  - 4.4 Construction & demolition debris
  - 4.5 Co-digestion of sewage sludge

It is proposed to support projects in three categories, as below:

**Level-I:** **Proof of Concept/ Seeding Projects** of up to 1-year duration, to generate new technology ideas & develop prototypes. Level-I category is open to research establishments. Level-I projects will not be provided equipment money; Research Associates at post doc can be utilized.

**Level-II:** **Joint Technology Projects** between Research Institutions and Industry for (a) Technologies already developed at some level, but yet to be implemented at scaled up level, & (b) Technology adaptation, in projects led by academic institutions, with the participation of industry.

**Level-III:** Scaling up of proof of concepts or existing pilot plants by a factor of 10 to 25.

### **Submission of proposals**

The proposals in DST/WMT specified format ([www.dst.gov.in](http://www.dst.gov.in)) may be submitted (1 hard copy + soft copy of proposal in PDF) between Dec.1, 2016 and Jan.15, 2017 to:

TDT Division, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi- 110016.

#### Attention:

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