



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

Waste Management Technologies (WMT) Program

2nd Call for Proposals

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

1. **E-Waste** (Electrical and Electronics Waste): Recycling and Recovery
 - 1.1 Development of simple indigenous material recovery technology for specific applications (precious and other metals, plastics, glass and rare earths) in collaboration with industry.
 - 1.2 Green Product development and Design for recycling.
2. **Industrial Hazardous and 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 and 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 and 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 and develop prototypes. Level-I category is open to research establishments. No equipment money is provided; 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, and (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) may be submitted (1 hard copy + soft copy of proposal in PDF) between **1 December 2016** and **15 January 2017** to: **TDT Division**, Department of Science and Technology, Technology Bhawan, New Mehrauli Road, New Delhi 110 016.

Attention: **Mr Sajid Mubashir**, Scientist G (e-mail: sajid@nic.in) or
Dr Krishna Kanth Pulicherla, Scientist C (e-mail: kkpulicherla.dst@gov.in)