



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

**Call for Concept Note in Waste Management Technologies**

DST has initiated a technology development program in the name of "Waste Management Technologies" during 2015 aligning to Swachh Bharath.

DST is inviting a 2-page concept note in the following specified areas from Academic Institutes and R & D organizations:

- 1. Newer Technologies for Biomedical waste**
- 2. Laboratory Hazardous & Non- Hazardous Waste Management- Demo Plant in Institutes/University**
- 3. Agricultural waste/Stubble management (Waste to Wealth), alternative to burning**
- 4. E-Waste**
  - a. Development of simple indigenous material recovery technology for specific applications (precious & other metals, plastics, glass and rare earths) in collaboration with industry.
  - b. Green Product development and Design for recycling.
- 5. Urban & Rural Solid Waste, including Plastic Waste**
  - a. Existing Landfills: Gas Extraction, Leachate Treatment, Material Mining, Remediation, Value-added Material Recovery
  - b. Non-recyclable packaging material.
  - c. Household hazardous waste
  - d. Construction & demolition debris
  - e. Co-digestion of sewage sludge
  - f. End of Life Vehicles, Tyres, Batteries and other subcomponents
- 6. Industrial Hazardous & non-hazardous Wastes**
  - a. Mining Waste: Overburden, Tailing Pond
  - b. Metallurgical Waste
  - c. Cost effective treatment of refractory organics
  - d. Recycling/recovery of value added materials from hazardous/non-hazardous wastes
  - e. Solid Waste from Chemical Industry (such as adsorbents like ion exchange resins, activated carbon, clays, membranes)
  - f. Membrane rejects and Salts
  - g. Industrial sludges

The concept note in the given specified format should be sent to [conceptnotewmt2018@gmail.com](mailto:conceptnotewmt2018@gmail.com) on or before 31-01-2018. Received concept notes will be scrutinized by the Expert Advisory Committee and only PIs of selected/screened-In potential concept ideas will be called for a One Day workshop to sensitize the PIs on (1) The Technology Gaps (As per the Nation's need) (2) Waste Management Rules (3) Industry Participation in Technology Development Projects (4) Proposal Drafting etc.

**FORMAT FOR CONCEPT NOTE**

<b>Project Title</b>																		
<b>Thrust Area</b> (Tick the appropriate box. Thrust area and its subcomponent, are at <b>Page 3</b> )	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		<b>5</b>						<b>6</b>						
				<b>a</b>	<b>b</b>	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>	<b>g</b>
<b>Level</b> (Please tick the appropriate box)	<b>Level-II:</b> Joint Projects between research institutions and industry								<b>Level-III:</b> Scaling up of proof of concepts by a factor of 10 to 25									
<b>Name and affiliation</b>	<b>PI</b>					<b>Co-PI</b>					<b>Participating Industry</b>							
<b>Years of experience in WMT</b>						<b>Is Ph.D. or Post Doc in the Proposed field/WMT</b>												
<b>Publications in the last 3 years in the field of WMT</b>											<b>SCI</b>							
											<b>Non SCI</b>							
<b>Mobile Number</b>						<b>Email</b>												

<b>Project Objectives</b>	
<b>Project Deliverables</b>	

<b>Project Title</b>			
<b>What is new</b>			
<b>Patented/ Applied for Patent/Patentable</b>			
<b>Proof of Concept established</b>			
<b>Current status of technology in terms of "Technology Readiness Level"</b>		<b>Expected level at the end of the project</b>	
<b>Demonstration site identified</b>			
<b>Global Scenario</b>			
<b>Indian Scenario</b>			
<b>Likely Industries which can take up your technology for commercialization</b>			
<b>Budget</b>	<b>Total Budget</b>		
	<b>Budget Req. from DST</b>		
	<b>Industry Contribution</b>		
<b>Flow sheet of proposed methodology</b>			
<b>Reviewer's comments</b>	For Office Use Only		

**THRUST AREAS**

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