



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

Advanced Manufacturing Technologies (AMT) Program

2nd Call for Proposals

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

1. Digital Manufacturing – Design tools and process innovations, modelling and simulation platforms;
2. Near net shape processing for product development
3. Flexible scale manufacturing (including die-less manufacturing; jig-less assembly; fixture-less inspection) – Additive manufacturing (AM).
4. Production scale materials processing including nano materials and surface coatings
5. Smart Manufacturing – Automation and Information and Communication Technologies (ICT); Advanced Robotics (AR) and Industrial Internet of Things (IIOT)
6. Manufacturing Technologies for wearable low power electronics including energy harvesting and sensor Networks

It is proposed to support projects in **two categories**, as listed below:

1. **Level-1: Proof of Concept and Prototyping Projects (TRL 4–5)**
 - (i) These R&D Projects typically would aim to achieve Technology Readiness Levels of 4–5 (i.e. TRL-4 to TRL-5), with emphasis on innovative concepts, machine tools and new processes. Funding support of up to Rs 50 Lakhs is envisaged.
 - (ii) The project proposals can be submitted by research institutes/academia, preferably with an associated industry partner. These projects have to be accomplished within 2-year time period.
2. **Level-2: Academia-Industry Consortia Projects (TRL 6–7)**
 - (i) Projects will aim to reach Technology Readiness Level of 6 to 7 (TRL-6 to TRL-7) in the above said high priority areas with specific goals defined in association with relevant industries.
 - (ii) In general, this is a cost-sharing effort with industry, with the DST support extending up to 60% to 80% depending on the technology risk involved. The Consortium Projects can be about 3–4 years' duration, however they will typically target annual outcomes that are clearly demonstrable and of value.

Submission of proposals

The proposals in DST/AMT 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.

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