



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

Advanced Manufacturing Technologies (AMT) Program 2nd Call for Proposals

DST is inviting project proposals:

1. Digital Manufacturing - Design tools and process innovations, modelling & 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 & surface coatings
5. Smart Manufacturing - Automation and Information & Communication Technologies (ICT); Advanced Robotics (AR) & Industrial Internet of Things (IIOT)
6. Manufacturing Technologies for wearable low power electronics including energy harvesting & sensor Networks

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

1. **Level-1: Proof of Concept & 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 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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