

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
*Nano Mission***

**Call for proposals for "Thematic Projects
in Frontiers of Nano S&T (TPF-Nano)"**

The Nano Mission invites proposals, preferably one proposal per institution, from institutions active in research in Nano S&T, for "Thematic Projects in Frontiers of Nano S&T (TPF-Nano)".

The Nano Mission, in its earlier phases, funded Units, Centres and Thematic Units of Excellence (TUEs). The Units and Centres, funded in the very initial stages of Nano Mission, were primarily for strengthening laboratory infrastructure for carrying out research in nano science and technology by way of shared materials preparation and characterization facilities in institutions where a group of active practitioners in nano science and technology existed. The TUEs were the next stage in the funding paradigm when leading groups were invited to carry out research on some "chosen themes".

The Nano Mission has now decided to take the next logical step and invite the said "Thematic Projects in Frontiers of Nano S&T (TPF-Nano)" for carrying out investigations on one or few focused topics in Nanoscience and Nanotechnology expected to lead to *significant enhancement in scientific knowledge and/or useful applications and technologies*. The proposals, should clearly mention how the scientific expertise of various members of the investigating team would complement and supplement each other for achieving the objectives. The proposals should especially highlight how existing equipment and research facilities in the institution or in other institution/s in the country will be used. *In short, the basic idea is to provide critical funding to competent groups to carry out very focused research in Nanoscience and Nanotechnology aimed at delivering breakthroughs in basic research and/or appropriate technologies and applications in a concerted manner.* Synergy and collaboration for achieving significantly higher scientific and technological goals are going to be the hallmarks of these "Thematic Projects in Frontiers of Nano S&T (TPF-Nano)".

Proposals may be submitted in the format given on the Nano Mission website:
nanomission.gov.in

The last date for receiving these proposals will be 29.02.2016.

FORMAT FOR SUBMITTING PROPOSALS FOR THEMATIC PROJECTS IN FRONTIERS OF NANO S&T (TPF-NANO)

1. Title of the project: "Thematic Projects in Frontiers of Nano S&T (TPF-Nano)" on "...".
2. Name and address of the Institution/s:
3. Name and address of the Project Coordinator and other Investigators with phone, fax, e-mail, cell-numbers.
4. Research topic/s on which studies would be carried out by the investigators; or, products/technologies which would be delivered.
5. Significance of the research problem/s or products/technologies mentioned above with reference to the existing state-of-the-art (supported with recent references/data); how do the investigators expect the project to lead to *breakthroughs in basic research and/or appropriate technologies and applications*.
6. Relevant R&D work already done by the investigators with published references to demonstrate their ability to carry out the proposed work.
7. How will the collaboration between investigators from the institution/s help in achieving the exalted goals of the project? In essence, how is the coming together of investigators essential for the success of the project?
8. Specific work plan including methodology, time schedule and deliverables (work to be done in various participating institutions, if applicable, may be delineated).
9. Facilities and infrastructure already available to the team in their labs/institutions or in participating institution/s for implementing the project.
10. Financial requirements for the **project duration of 3 years** with year-wise break-up (in tabular form). Indicate Infrastructure, Equipment and Recurring (manpower with the desired designations, consumables, contingencies, national travel, other items, etc.) requirements separately. Budgetary requirements of each participating institution and the total budget may be shown separately. Contributions from various participating institution/s, if any, may also be indicated.
11. Justification for each budget item like infrastructure, equipment, manpower, consumables, contingencies, national travel, etc.
12. List of projects received by all investigators from DST and other agencies along with cost and list of major equipment/infrastructure.
13. Bio-data of investigators

3 printed copies of the proposal, along with the (original) "*Certificate from the Project Coordinator and other Investigators*" and "*Endorsement from the Head of the institution*" given at the website <http://nanomission.gov.in> under "Formats and Guidelines", should be mailed with "Proposal for Thematic Projects in Frontiers of Nano S&T (TPF-Nano)" superscribed on the packet to Dr. Praveer Asthana, Scientist-G & Mission Director (Nano Mission), Ministry of Science and Technology, Department of Science and Technology, New Mehrauli Road, New Delhi 110016. Soft copy of the proposal in *pdf* format should also be e-mailed at raghunath.reddy@nic.in .