

**Government of India
Ministry of Science and Technology
Department of Science and Technology**

Nano Mission

Call for Proposals for Setting Up One Thematic Unit of Excellence (TUE) on Computational Materials Science

The Department of Science and Technology, as part of its Nano Mission programmes, invites proposals for establishing one 'Thematic Unit of Excellence (TUE)' on Computational Materials Science on competitive basis. It is expected that research in the Thematic Unit of Excellence will be more directed towards well-identified objectives leading to desired outputs and outcomes. Institutions where viable core groups of active researchers in Computational Materials Science exist are requested to submit proposals for setting up such a Thematic Unit of Excellence on Computational Materials Science. Such a Unit should have a Local Management Committee with a Chairman and the Project Coordinator acting as the Convener. The Unit should also have a National Advisory Committee with 3–4 members from outside the institution. As in the past, the proposals will be reviewed on competitive basis.

The proposals should be prepared in the following format (please note that the 'theme' for this TUE will be 'Computational Materials Science'):

1. Title of the project: Thematic Unit of Excellence on 'Computational Materials Science' at ... (name of the institution) ...
2. Address of the institution.
3. Local Management Committee.
4. National Advisory Committee.
5. Name and address of the Project Coordinator and other Investigator(s) with phone, fax, e-mail, cell-numbers.
6. Current status of research on the focused theme globally (with recent references).
7. Current national status of research on the focused theme.
8. Focused objectives and deliverables of the project related to the chosen theme.
9. Novelty and relevance of the proposed R&D with reference to the existing state-of-the-art knowledge in literature. How will the proposed R&D close the gap between national and global capabilities, or enhance the national advantage, in R&D on the focused theme?
10. Brief outline of the methodology, time schedule and milestones to achieve each of the objectives/deliverables (inter-institutional or industrial links, if any, may also be highlighted).
11. R&D work on the proposed research topics already done by the investigator(s) with published references to demonstrate their ability to carry out the proposed research work.
12. Manpower, facilities and infrastructure already available to the team for implementing the project.
13. Additional manpower available/to be hired (posts available or not)/to be absorbed after the project.
14. Financial requirements for the project duration of 5 years with year-wise breakup (in tabular form). Indicate infrastructure, equipment and recurring (manpower with the desired designations, consumables, contingencies, national travel, associateship programme, other items, etc.) requirements separately. Contribution from the parent institution, if any, may also be indicated.
15. Justification for each budget item like infrastructure, equipment, manpower, consumables, contingencies, national travel, etc.
16. List of projects received from DST and other agencies along with cost and list of major equipment/infrastructure.
17. Bio-data of investigators along with e-mail ID and contact no.

Ten hard copies of the proposal and one soft copy of the proposal (in CD), along with the (original) 'Certificate from the Investigator' 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 Unit of Excellence on Computational Materials Science' superscribed on the packet. The proposal should be received in DST on or before **15 September 2011**.

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