



Government of India
Department of Science & Technology
(National Science & Technology Management Information System Division)

Call for Research Proposals under the NSTMIS Programme

Introduction: The National Science & Technology Management Information System (NSTMIS) division of the Department of Science & Technology (DST) is the nodal agency for collection, analysis and dissemination of vital S&T information at the national level.

The Scheme: The division sponsors research projects/studies to interested investigators/organizations under the NSTMIS Scheme. The broader areas where studies could be taken up in the sponsored mode are S&T investment, S&T infrastructure, S&T output, S&T databases, S&T manpower, R&D productivity/efficiency etc.

Some of the areas in which the research proposal/ studies could be submitted are given as below:

- Human Resources in S&T
- R&D Infrastructure/ Resources
- S&T Studies in Higher Education Sector
- Mobility of S&T Professionals
- R&D and Innovation
- IPR Management
- Scientometric Studies in S&T

The pertinent themes / sub-areas to be addressed under these areas for submission of research proposals under the NSTMIS Scheme are listed at the NSTMIS website.

Who can Apply: Scientists, Technologists, Statisticians, Economists, Sociologists, Development/ Planning/ Policy Experts, Management Specialists etc. from academic/ research institutions, registered societies, and consultants may submit their proposals in a prescribed format.

Approval Mechanism: Proposals are screened first by NSTMIS and then referred to the Programme Advisory Committee (PAC) for technical evaluation before final approval.

Research Proposal Submission:

The guidelines for formulating/submission of project proposals can be downloaded from the NSTMIS website www.nstmis-dst.org. The proposals may be sent to:

**The Co-ordinator (NSTMIS) Department of
Science and Technology Bhawan, New
Mehrauli Road New Delhi – 110 016**

For any other clarification, please contact Smt. Namita Gupta, Scientist-E and Member Secretary Programme Advisory Committee (PAC) at Tel. No. 26961579 or 26567373/Extn. 371, e-mail: namita@nic.in

**Themes/ sub-areas (Indicative List) for Submission of Research
Proposals under the NSTMIS Scheme**

Human Resources in S&T

1. Estimation of Full-Time-Equivalents (FTEs) of R&D personnel in public/private sector in the country
2. Strategies/ approaches to enhance Full-Time-Equivalents (FTEs) of R&D personnel in public/ private sector
3. Enhancing R&D professional strength/capacity through latent mode
4. Estimation of women R&D personnel in S&T and strategies to promote their participation
5. Performance related incentive system for professionals in public research and government establishments
6. Study of S&T fellowships and their impact.
7. Harnessing the potential of superannuated scientists for enhancing the research capabilities in the country

R&D Infrastructure/ Resources

8. Emerging/ Frontier areas in S&T: Identification, infrastructure requirements, databases, manpower etc for future advancements
9. Role of tax incentives in promoting R&D in the country

10. Successful models of commercial application of R&D and establishment of new PPP structures
11. Investments required for translating R&D outputs to commercial outcomes
12. Role of MNCs R&D in India

S&T Studies in Higher Education Sector

13. Career profile of Ph D degree holders in S&T
14. Stimulating research in universities
15. Quantification of R&D in Social Sciences

Mobility of S&T Professionals

16. Mobility of scientists among various sectors in public/ private across the country : characteristics, mechanisms, best practice etc
17. Mobility of scientists from India to abroad & vice-versa across various S&T fields best practice
18. Research (Universities/ National Labs) - Industry Linkages

R&D and Innovation

19. R&D and Innovation in SMEs
20. R&D and Innovation in ICT Sector, Services and Emerging Technologies
21. Incentives for commercialization of innovation with focus on green manufacturing
22. Indicators on Entrepreneurship in S&T
23. Trade in high technology sectors
24. Technology Business Incubators: Growth, structure, characteristics and outcomes and the need in new emerging areas
25. Innovation assessment in traditional industries and sectors
26. Innovation in Public Research Organisations

IPR Management

27. Appropriability of IPR in Indian firms in S&T sectors

28. Technology transfer and commercialization of patents in public and private sector R&D

Scientometric Studies in S&T

29. India's position in global research output in S&T and its comparison with select countries

30. Bibliometric mapping in emerging S&T areas such as climate change, solar energy, leather, automobiles, nano mission etc
