Government of India
Department of Science & Technology
Centre for Human and Organisational Resource Development
(CHORD Division)

Call for Proposals (2017-18)

The Scientific and Technological activities play a vital role in the economic, social and physical development of a country. Scientific and technological research needs huge investments and calls for a judicious utilisation of scarce resources like investment, trained manpower, raw materials etc. A better planning of S&T resources has become very crucial for the Government in directing and regulating Science and Technology. The growth of Science and Technology, its performance and impact on society and economy are indicators to assess the effectiveness of planning and policy formulation. For the development of Science and Technology, its effective utilisation of available resources and for proper planning and for formulating S&T policies, it is necessary to build Science and Technology Information on a continuous basis. The National Science and Technology Management Information System (NSTMIS) Scheme under CHORD Division of Department of Science and Technology is entrusted with the task of collection, collation, analysis and dissemination of vital S&T information at a national level for evidence based policy planning for the S&T sector.

The Division sponsors research projects/studies to interested investigators/organizations under 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 (indicative list) to be addressed under these areas for submission of research proposals under the NSTMIS Scheme are listed below.

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 the Division and then referred to the Programme Advisory Committee (PAC) for technical evaluation before final approval.

Where to apply: The guidelines for formulating/submission of project proposals including prescribed format can be downloaded from the NSTMIS website www.nstmis-dst.org. Five (5) copies of research proposal in the prescribed format may be sent to Dr HB Singh, Scientist, Department of Science and Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110016 by Speed Post. A soft copy of the proposal may also be mailed at haribsingh@nic.in. The envelope may be superscribed with "NSTMIS".

Last date of Proposal Submission is 15th March 2017.

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

1. Study of investments in scientific research and its socio –economic impact: An outcome based approach.
2. Stimulating research in universities and industry.
3. Impact of policies on women R&D personnel in S&T and strategies to promote their participation.
4. Emerging/ Frontier areas in S&T such as cyber security, blue economy, next generation genomics, precision agriculture etc. Identification, infrastructure requirements, databases, manpower, regulatory challenges etc for future advancements.
5. Investments required for translating R&D outputs to commercial outcomes.
6. Role of tax incentives in promoting R&D in the country.
7. Innovation eco-system in public research organisations, impact of policies, role models and global experiences.
8. Linkages in Public Research (Universities/ National Labs) and Industry and global experiences.
9. Mobility of scientists among various sectors in public/ private across the country : characteristics, mechanisms, best practices etc.
10. Mobility of scientists from India to abroad & vice-versa across various S&T fields best practices.
11. Quantification of R&D in Social Sciences.
12. Issues of top management in S&T.
13. Scientific Social Responsibility.
14. Indicators on Entrepreneurship in S&T, Technology Business Incubators and Technology Start-ups.
15. Technology, trade and competitiveness linkages.
16. Innovation in Public Research Organisations, private firms, sectors and regions.
17. Impact of international collaborations in scientific research.
18. Role of India in providing scientific leadership in Indian Ocean RIM (IOR) countries.
19. New IPR Policy and Innovation in public and private sector
20. India's position in global research output in S&T and its comparison with select countries.
21. Bibliometric mapping in emerging S&T areas such as climate change, cyber security, leather, waste management, precision agriculture, etc.

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