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

CHORD (NSTMIS) Scheme: Call for Proposals (2018-19)

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. The thrust areas to be addressed for submission of research proposals under the NSTMIS Scheme are given below. However, proposals can also be submitted in other interrelated S&T areas for consideration.

Set-1	**Technology Studies** ❖ Studying of technology trends in new and emerging technology. ❖ Indigenous disruptive technology and employment generation. ❖ Mapping of low-cost technologies for masses. ❖ Mapping of traditional knowledge for the benefit of healthcare system. ❖ Issues involved in commercialization of Indigenous technologies and interventions. ❖ Impact assessment of new & emerging technology on lives and livelihood. ❖ Mapping of technologies to meet emerging challenges related to environment, energy, resources, health, agriculture and habitat in line with technology vision 2035.
Set-2	**Impact Studies** ❖ Impact assessment of Government funded major Programmes / Missions such as NMITLI, BIRAC, TDB, Nano Mission, Fly Ash etc. ❖ Consolidation of already completed studies under the NSTMIS to identify new research questions and gap areas. ❖ Thematic grouping of the existing studies of NSTMIS for easier dissemination to the stakeholders. ❖ Macro study of socio-economic impact of S&T done during last decade.
Set-3	**S&T Databases** ❖ Database on scholarships / fellowships awarded in S&T sector. ❖ Study of open access data and institutional repositories. ❖ Database on Indian Scientific Periodicals. ❖ Database of agricultural technologies and their impact. ❖ Database of agri-input manufacturing units in India. ❖ Database of Intensified Integrated Farming System (IIFS) Models.

Set-4	**S&T Manpower & Institutions** ❖ Measuring performance indicators of R&D institutions. ❖ Value addition of human resources associated with high cost scientific infrastructure especially in higher education institutions. ❖ Study on national and international collaborations in S&T. ❖ Study of manpower demand and supply pattern in S&T sectors.
Set-5	**Innovation and Entrepreneurship Eco-system** ❖ Social Entrepreneurship Models Involving S&T. ❖ Innovative Entrepreneurship Models Involving S&T. ❖ Study of the ecosystem on S&T entrepreneurship. ❖ Assessment of training needs in the area of Science, Technology & Innovation. ❖ Study of factors affecting S&T innovation eco system and its performance in global scenario.
Set-6	**S&T Policy** ❖ Role of policies and institutional structures in the promotion of inclusive innovation. ❖ Study of S&T policies and associated learning from BRICS. ❖ Mapping of resource required for understanding the climate change patterns and mitigation. ❖ Ethical and regulatory issues in health care.
Set-7	**Bibliometric Studies** ❖ Scientometric mapping in S&T areas such as climate change, cyber security, leather, waste management, precision agriculture, cognitive science & Yoga, national missions etc.

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. Proposals may be submitted to the **Head, CHORD (NSTMIS) Division**, Department of Science and Technology (DST) at **e-PMS** (**onlinedst.gov.in)**.

Two (2) hardcopies of uploaded research proposal should also be sent to **Dr HB Singh, Scientist 'E'**, 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 "Call for Proposals under CHORD (NSTMIS)".

Last date of proposal submission is 30th April 2019.

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