

Call for Proposals for Technology Development under Technology Systems Development Programme (TSDP)

Department of Science and Technology (DST) is implementing a Technology Systems Development Programme (TSDP). The Programme supports activities aimed at developing and integrating technologies to evolve technology systems both in the advanced/emerging areas and in traditional sectors/areas. Under the Programme, feasibility of fresh ideas/concepts is assessed for their potential conversion into useful technology/product. The Programme stresses on clearly identifying the needs for development of the technology and transfer of technology to the industry so that the developmental effort could be useful to the target beneficiary, i.e. people at large. It envisages active user involvement, i.e. industry and their association in the development efforts.

The specific objectives of the Programme are to:

- Develop and integrate technologies following a holistic approach in identified areas;
- Promote application of modern/advanced technologies to socio-economic problem solving;
- Promote modernization of traditional technologies, tools and skills;
- Facilitate enhancing quality and performance of the traditional/non-traditional items;
- Encourage developments in application of R&D activities, and
- Promote activities aimed at improving technology, technique, material, methods and other appropriate activities conducive for development of technology status in identified areas.

Some of the typical areas in which Proposals can be submitted are Glass and Ceramics Technology Up-gradation, Molecular/Biomolecular Electronics/Conducting Polymer and Biosensors, Water Purification and Rural Micro-Water Management, Waste Utilization and Management, Public Health and Safety, Surface Engineering Techniques for Rejuvenation of Traditional Crafts, Laser/ Plasmas/Microwave Technology, Decentralized Energy Generation and Harvesting, Alternate Fuels, Fuel Conservation, Efficient Utilization of Fuels, ICT-driven Technologies, Innovative Civil Infrastructure Technologies, Platform Technologies for a Range of Applications. The above list is not exhaustive and Proposals in other innovative areas are equally welcome if the activity is perceived to be useful by DST for technology advancement in the country and is not being taken up under any other major R&D programmes of the Government of India.

The Project Proposals could be submitted for financial support by scientists/engineers/technologists working in academic institutions/registered societies/R&D institutions/laboratories having adequate infrastructure/facilities to carry out technology development work/prototype building. DST would encourage multi-disciplinary proposals envisaging network/collaboration of various institutes having diverse expertise and facilities for synergistic implementation of the projects. Expertize/Intellectual Property Right (IPR), Technology Transfer to Industry with PI/Institute may be highlighted. Prescribed format is available at website: <http://www.dst.gov.in>

The guidelines for formulation and submission of projects and the prescribed format can also be collected from **Shri Rajeev Sharma**, Scientist C and Member Secretary (PAC on Tech. Systems), Room No. 20, Hall-C, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110 016 (e-mail: rajeevsharma@nic.in; Telephone: 011-2659 0310). The complete proposals (15 copies) and/or suggestions regarding additional areas for technology development may be addressed to:

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