

**Call for proposals
under
Molecular Electronics, Conducting Polymers and Non-invasive and other
Bio-sensors.**

Department of Science & Technology, Govt. of India under its programme on Technology systems Development (TSD) intends to support and catalyze technology development projects in the upcoming areas of Molecular electronics, Conducting polymer electronics, Non-invasive and other Bio-sensors.

The submitted proposal should aim to establish the technical feasibility of emerging concepts in the areas of Biomolecular sensors, conducting polymer based micro actuators/artificial muscles, molecular electronic devices such as Memory Switching, Logic Gates, diodes, Organic electronics devices like Light Emitting Diodes (OLEDs), Organic Field Effect Transistors, Organic Thin Film Transistors (OTFTs), Organic Photovoltaic (OPVs), Biofuel Cells, Bio-photonics, Ion Selective FET (ISFET), Electronic-Nose-Tongue-Vision, Bio-metrics, Conducting polymer based sensors for Biological Fluids, Bio-chips, Tactile Sensors; Micro fluidics, Energy Devices, Super Capacitors, Information storage (memory) devices based on conducting polymers, Self assembled Monolayer, Langmuir-Blodgett films and other Thin films. The emphasis should be towards development of a device or a technology process leading to a device and not a mere academic research.

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. Expertise/Intellectual Property Right (IPR), Technology Transfer to Industry with PI/Institute may be highlighted. Prescribed format is available under TSD programme at DST 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” & 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 : 011-26590310). The complete proposals (15 copies) and/or suggestions regarding additional areas for technology development may be addressed to **Dr G. J. Samathanam, Adviser & Head., Technology Development and Transfer (TDT) Division, Department of Science & Technology (DST), Technology Bhavan, New Mehrauli Road, New Delhi – 110 016, Telefax: (011) 26862512/26590367, E-mail : samathan@nic.in .**