

Technology System Programme 2004-2005

| Sl. No | File No. | Project Title | Scheme / Programme | Name & Address of Investigator/Institute | Total Cost | Duration | |
|---|----------------------|---|--|---|--------------|-----------|--|
| Subject Area :- Alternate Fuel | | | | | | | |
| 1 | DST/TSG/SVO/2004/114 | Requirement of R&D activities in the area of SVO and Bio-diesel for engine application. | Technology System Programme - Alternate Fuel | Shri Somnath Bhattacharjee, Vice-President, Winrock International India, 1, Navjeevan Vihar, New Delhi- 110 017. | 1,83,040 | 6 months | |
| 2 | DST/TSG/AF/2003/105 | Scope and Limitations of Non-edible Vegetable Oil as a substitute fuel for Diesel engines- An Experimental Study. | Technology System Programme - Alternate Fuel | Dr. Avinash Kumar Agarwal, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kanpur- 208 016. | 34,15,000 | 18 months | |
| Subject Area :- Information and Communication Technology | | | | | | | |
| 3 | DST/TSG/ICT/2004/137 | Design and Implementation of Set Top Box for Internet access on TV. | Technology System Programme - Information and Communication Technology | Shri D.K. Jain, Director (Technical), C-DAC, Anusandhan Bhawan, C-56/1, Institutional Area, Sector-62, Noida-201 301, Uttar Pradesh | 1,00,00,000/ | 6 months | |
| 4 | DST/TSD/ICT/2004/113 | Creation of Super Smart Mobile ICT Corridor (SSMC). | Technology System Programme - Information and Communication Technology | Mr. N.S. Rajput Lecturer, Department of Electronics Engineering, Institute of Technology, Banaras Hindu University (BHU), Varanasi- 221 005 | 2,69,040 | 6 months | |
| 5 | DST/TSG/ICT/2003/48 | Development of Band pass interference filters for course wavelength Multiplexing (CWDM). | Technology System Programme - Information and Communication Technology | Dr. Amitabh Basu, Division of Electronic Materials, National Physical Laboratory, Dr. K. S. Krishnan Marg, Pusa, New Delhi-110 012. | 16,74,000/ | 24 months | |
| Subject Area :- Molecular Electronics | | | | | | | |
| 6 | DST/TSG/ME/2003/86 | Development of Polymer Matrices from Renewable Resources for Enzymes Linked Immunosorbent Arrays. | Technology System Programme - Molecular Electronics | Prof. Harpal Singh, Head, Centre for Biomedical Engineering, Indian Institute of technology, Hauz khas, New Delhi- 100 016 | 26,00,000/ | 36 months | |
| 7 | DST/TSG/ME/2003/83 | Generation of conducting Polymer Films, Fibres and Composites. | Technology System Programme - Molecular Electronics | Dr. Arun Chattopadhyay, Associate Professor, Department of Chemistry, Indian Institute of technology, Guwahati- 781 039 | 15,00,000/ | 36 months | |

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| 8 | DST/TSG/ME//TTP/2003/57 | Development of plasma Polymerization process and deposition system for thin film optical coatings on plastic substrates, conducting polymer coatings and polymeric barrier membrane coatings. | Technology System Programme - Molecular Electronics | Dr. K.M.K. Srivatsa, Division of Electronic Materials, National Physical Laboratory, Dr. K. S. Krishnan Marg, Pusa, New Delhi-110 012 | 29,50,000/- | 36 months | |
| 9 | DST/TSD/ME/2003/85 | Conducting Polymer based Field Effect Transistor | Technology System Programme - Molecular Electronics | Dr. A. Kasi Viswanath, Scientist – E, Centre for Materials for Electronics Technology, Panchwati, Off Pashan Road, Pune – 411 008 | 8,14,000/- | 36 months | |
| 10 | DST/TSD/ME/2004/116 | Development of Polymer based Biomimetic Sensors. | Technology System Programme - Molecular Electronics | Dr. Basudam Adhikari, Material Science Centre, Indian Institute of Technology (IIT), Kharagpur-721 302. | 9,10,350 | 24 months | |
| Subject Area :- Glass | | | | | | | |
| 11 | DST/TSD/GL/2004/130 | Proposal for Propagation and Commercialization of Technologies developed | Technology System Programme - Glass | Sh. N.K. Sharma, Managing Director, National Research Development Corporation, 20-22, Zamroodpur Community Centre, Kailash Colony Extn. New Delhi- 110 048. | 2,76,000/- | 12 months | |
| 12 | DST/TSD/GL/2004/129 | Integrated Design & Technical Development Project Workshop for carrying out design Initiatives for artisans clusters of Purdil nagar and Nagariyapatti in U.P. | Technology System Programme - Glass | MS. Anjali Srinivasan, Project Consultant, 75 Lodhi Estate, New Delhi-110 003 | 1,06,000/- | 6 months | |
| 13 | DST/JTP/GL/3(5)/03 | Development of Technology of extended wear contact lens /daily wear contact lens. | Technology System Programme - Glass | Dr. R.K. Diwan, Asstt. Director & Chief Polymer processing, Shriram Institute of Industrial Research, 19, University Road, Delhi- 110 007. | 11,48,000/- | 12 months | |
| 14 | DST/TSG/GL/2003/78 | Science & Technology based Skill development of Glass workers. | Technology System Programme - Glass | Shri S.Paul, Glass Technologist, Centre for Development of Glass Industry (CDGI), A-1/1, Industrial Area Jalesar Road, P.O. Muiddinpur, Firozabad- 283 203 U.P | 2,99,625/- | 12 months | |

| Subject Area :- Water Purification | | | | | | |
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| 15 | DST/TSG/WP/2 003/15 | Development of Multichannel Ceramic Membranes with Optimum Channel Configuration for up scaling the Technology for Purification of Arsenic Contamination Ground Water. | Technology System Programme - Water Purification | Dr. S. Bandyopadhyay, Scientist, Central Glass and ceramic Research Institute, 196, Raja S.C. Mullick Road, Jadavpur, Kolkata- 700 032 | 25,00,000/ | 24 months |
| 16 | DST/TSG/WP/2 003/88 | Up Scaling and Demonstration of Ceramic Membrane base Iron Removal Plants in West Bengal. | Technology System Programme - Water Purification | Dr. S. Bandyopadhyay, Scientist, Central Glass and ceramic Research Institute, 196, Raja S.C. Mullick Road, Jadavpur, Kolkata- 700 032 | 39,46,000/ | 12 months |
| Subject Area :- MTS | | | | | | |
| 17 | DST/TSG/MTS/ 2003/51 | Indigenous development of Liquid Nitrogen Plant of 7-litre/hr capacity for various Cryogenic application | Technology System Programme - MTS | Dr. Swapan Chandra Sarkar, Head, Cryotech. Division, Advanced Centre of Centre of Cryogenic Research, Jadavpur University Campus, Kolkata – 700 032 | 14,88,000/ | 36 months |