

## Technology System Programme 2005-2006

Sl. No	File No.	Project Title	Scheme/ Programme	Name & Address of Investigator/Institute	Total Cost	Duration
<b>Subject Area :- Alternate Fuel</b>						
1	DST/TSG/AF/2003/99	Endurance Testing of Diesel Engine using Straight Vegetable Oils (SVOs) as Fuel.	Technology System Programme - Alternate Fuel	Shri. N. Seshaprakash Head, IC Engine Facilities, Foundation for Clean Energy & Environment (FCEE), R.V. College of Engineering, Bangalore- 560 059.	18,38,800/-	6 Months
<b>Subject Area :- Information and Communication Technology</b>						
	DST/TSG/MCRC/2003/76	Integration knowledge System on Soil Nutrient Management Through Image Processing of Chromatograms.	Technology System Programme - Information and Communication Technology	Dr. K. Perumal of MCRC, Chennai & Dr. Deepak Khemani of IIT, Chennai.	44,73,000/-	24 months
	DST/TSG/ICT/2003/80	Agricultural Planning & Information Centre (APIC)	Technology System Programme - Information and Communication Technology	Dr. G. Karmegam Head of Department, Department of Information Technology, IT Park, Kongu Engineering College, Perundurai, Erode, Tamil Nadu	11,83,000/-	18 months
<b>Subject Area :- Molecular Electronics</b>						
	DST/TSD/ME/2003/107	Studies on direct electron transfer between Redox Proteins and electrodes: Amperometric sensing.	Technology System Programme - Molecular Electronics	Prof. S. Sampath, Associate Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science (IISC), Bangalore- 560 012.	27,60,000/-	36 months
	DST/TSD/ME/2003/102	Biosensor for in situ estimation of Superoxide Redical.	Technology System Programme - Molecular Electronics	Mr. Sanjay Kumar, Scientist, Department of Bio-technology. Institute of Himalayan Bioresource Technology, P.O. Box No. 6, Palampur-176061. (H.P)	18,30,000/-	24 months
	DST/TSG/ME/2004/109	Polymer Light Emitting Device (LED) Synthesis of Molecularly designed polymers Design and development of LED.	Technology System Programme - Molecular Electronics	Dr. M.Vijayan, Scientist, ECMC Division Central Electrochemical Research Institute (CECRI), Karaikudi- 630 006	22,59,750/-	36 months

Subject Area :- Glass					
DST/TSG/GL/ 2003/67	Development of Eco-friendly 12- open pot furnace.	Technology System Programme - Glass	Shri Devaendra Sah Sr. Glass Technologist, Centre for Development of Glass Industry (CDGI),A-1/1, Industrial Area Jalesar Road, P.O. Muiddinpur, Firozabad- 283 203 U.P	1,19,400/-	3 months.
DST/JTP/GL/ 3(1)/03	Development of foldable intraocular lens.	Technology System Programme - Glass	Dr. R.K. Khandal Director, Shriram Institute for Industrial Research, 19, University Road, New Delhi- 110 007	4,73,500/-	12 months
DST/JTP/GL/ 3(3)/97	Scale-up studies from Bench Level to Lab Scale with a view to optimize the technology for large scale production of high refractive index plastic lenses.	Technology System Programme - Glass	Dr. R.K. Khandal Director, Shriram Institute for Industrial Research, 19, University Road, New Delhi- 110 007	15,39,000/-	12 months
Subject Area :- Structural Technology System					
DST/TSG/STS/ 2005/7	Development of A Critical Infrastructure Information System in GIS Environment for Maintenence of Bridge on National & State Highwaays.	Technology System Programme - Structural Technology System	Shri G.K Sahoo Scientist Central Road Research Institure (CRRI), Delhi- Mathura Road, P.O –CRRI, New Delhi – 110 020	76,26,000/	36 months
Subject Area :- Water Purification					
DST/TSG/WP/ 2004/141	Field Studies on defluoridation of water by IISc method.	Technology System Programme - Water Purification	Dr. Sudhakar M. Rao Associate Professor, Centre for Sustainable Technologies, Indian Institute of Science (IISc), Bangalore.	6,44,400/-	24 months.
DST/TSG/BC/ 2003/41	Development and investigation on Bio-Composites.	Technology System Programme - Water Purification	Prof. Basudam Adhikari, Material Science centre, Indain Institute of Technology, (IIT), Kharagpur – 721 302	4,96,800/-	12 months

DST/TSG/WP/ 2003/96	Development of Technology System for River Water Purification using MF/RO Membrane for Drinking water supply to Ghuni and Chakpatli, Hasnabad Block, West Bengal.	Technology System Programme - Water Purification	Shri. S.L. Daga, Head, RO Discipline, Central salt & Marine Chemicals Research Institute (CSMCRI), Gijubhai Badheka Marg, Bhavanagar And Dr. S. Bandyopadhyay, Scientist-E, Central Glass & Ceramic Research Institute (CGCRI), 196, Raja S.C. Mullick Road, Jadavpur, Collate	1,09,36,000/-	24 months
<b>Subject Area :- Waste Management</b>					
DST/TSG/WM/ 2005/3	Utilization of Risk Husk-An Agricultural Waste for the Development of Useful Silicon Based monoxide Ceramics.	Technology System Programme - Waste Management	Dr. S. Adak, Head, Department of Ceramic Engineering, National Institute of Technology (NIT), Rourkela-769 008, Orissa	19,30,000/-	18 months
DST/TSG/ Biodegradable Polymer/ 2004/148	Feasibility study for Development of Biodegradable Plastics for packaging applications.	Technology System Programme - Waste Management	Dr. Sushil Kr. Verma, Director General, Central Institute of Plastic Engineering & Technology (CIPET), TVK Industrial Estate, Guindy, Chennai.	9,00,000/-	12 months
<b>Subject Area :- Traditional Crafts</b>					
DST/TSG/TC/ 2005/13	Development and setting up of a Proto-type Plasma System for Surface Modification of Angora Rabbit Fibre to Improve Processing.	Technology System Programme - Traditional Crafts	Prof. P.B. Jhala, John Bisell Research Chair in Textile and Apparel Design Technology, National Institute of Design, Paldi, Ahmedabad- 380 007.	33,40,000/-	18 months
DST/TSD/TC/ 2005/18	Setting up of Eco-friendly Plasma System to Coat Brass Articles by SiOx coating at Metal Handicraft Service Centre, Moradabad.	Technology System Programme - Traditional Crafts	Mr. A.Q Soti, Dy. Manager (Q.C), Metal Handicraft Service Centre (MHSC), Pital Nagari, Rampur Road, Moradabad. And Dr. S.K. Neema, Scientist-SE, Facilitation Centre for Industrial Plasma Technologies (FCIPT), Institute of Plasma Research (IPR), B-15-17/p, I.D.C Sector-25, Gandhinagar, Gujarat	33,69,550/-	24 months

DST/TSG/TC/2004/142	Promotion of Environment friendly Plasma Nitriding Process for surface Hardening of Industrial Components.	Technology System Programme - Traditional Crafts	Dr. S. Mukherjee Fellow, Facilitation Centre for Industrial Plasma Technologies (FCIPT), Institute of Plasma Research (IPR), B-15-17/p, G.I.D.C Sector-25, Gandhinagar, Gujarat	52,28,000/-	24 months
DST/TSD/TC/2005/14	Preparation characterization and performance study of solid lubricant and wear resistance surface coatings on textile machinery components.	Technology System Programme - Traditional Crafts	Dr. V. Selvarajan Bharathiar University. Coimbatore, Tamil Nadu	37,02,000/-	24 months
DST/TSG/TC/2005/15	Processing and characterization of Poultry Feather-Polymer composite.	Technology System Programme - Traditional Crafts	Dr. S. C. Mishra NIT, Rourkela	18,64,000/-	36 months
DST/TSG/TC/2004/108	Application of surface Engineering techniques to achieve performance enhancement of agricultural Implement as well as commonly used cutting tools in North eastern parts of India.	Technology System Programme - Traditional Crafts	Dr. M. Kataki Fellow, Centre of Plasma Physics, Tepecia, Sonapur, Kamrup, Assam	25,41,000/-	36 months
<b>Subject Area :- MTS</b>					
DST/TSG/MTS/2005/25	Development of carbon aero gel based supercapacitor for button cell applications.	Technology System Programme - MTS	Dr. P. Sasidharan, Scientist-E, Aerogel Group, Centre for Materials for Electronics Technology (C-MET), Shoranur Road, M.G. Kavu, P.O: Athani, Thrissur – 680 771, Kerala	16,77,000/	24 months