

Technology System Programme 2006-2007

Sl. No	File No.	Project Title	Name & Address of Investigator/Institute	Duration	Total Cost
Subject Area :- Alternate Fuel					
1.	DST/TSG/AF/2006/10	Intrigated Project for development of process/technologies for value-added products from Karanja Leaves, flowers, Bark, Oil and Cake.	Dr. R.B. N. Prasad, Deputy Director & Head, Lipid Science & Technolog Division, Indian Institute of Chemical Technology (IICT) Uppal Road Taranaka Hyderabad- 500 007.	2	Rs.1,86,16,000/-
2.	DST/TSG/AF/2006/02	Feasibility of blending of Straight Vegetable Oil (SVO) in petro diesel and its utilization in IDI engine	Dr. P.K. Sahoo, Sr. Lecturer, College of Engineering, Uni. Of Petroleum & Energy Studies, Dehradun.	1.5	20,58,900

Subject Area: Information and Communication Technology					
	DST/TSG/ICT/2005/40	Design and development of Test Bench for Sound and Vibration Analysis in Electrical Machines using Virtual Instrumentation	Dr. D. Ganesh Kumar, Senior Lecturer, Department of Electronics and Instrumentation Engineering, Kongu Engineering College, Perundurai, Erode – 638 052, Tamilnadu	2	.10,85,000

Subject Area : Gold					
	DST/TSG/NML/Gold/2003/69	Development of coloured gold alloy”	Dr Sanchita Chakravarty, Scientist-C, National Metallurgical Laboratory (NML), P.O. : Burma mines, Jamshedpur – 831 007 Jharkhand	2	16,47,000

Subject Area : Vision					
	DST/JTP/V/1(6)/97	To validate a diagnostic multiplex polymerase reaction assay for uveitis in Indian population – Phase-II (clinical Trial)	Dr. Vishali Gupta, Asst. Professor, Post Graduate Institute of Medical Education and Research, Dept. of Ophthalmology, PGIMER, Chandigarh-160 012 Punjab	1	12,36,000
	DST/TSG/Vision/2006/27	Regulatory Ocular Toxicity Studies on Herbal Antiglaucoma Formulation	Dr. S.K. Gupta, DIPSAR, New Delhi.	1	14,95,300

Subject Area : Structural Technology System					
	DST/TSG/STS/2006/76	Distress Diagnostic Performance Evaluation for bridge management system for concrete bridges – phase-II	Dr. Ramkumar, CRRI, New Delhi.	1	90,00,000

Subject Area : Water Purification				
DST/TSG/BDP/2003/148	Feasibility study for development of biodegradable plastics for packaging applications.	Dr. Sushil Kr. Verma Director General CIPET, Chennai E-mail: cipethq@md3.vsnl.net.in bdccipet@rediffmail.com cipethq@vsnl.com	1	9,00,000
DST/TSG/WP/2005/48	Development and Scale-up of Stable Environment Friendly, Water-based Microemulsion Formulations of Neem Based Pesticides	Dr. P. K. Patanjali, Dy. Chief, Formulation and In-charge, Pilot Plant Institute of Pesticide Formulation Technology, Sector 20, Udyog Vihar , Gurgaon – 122 016 Haryana	2	15,43,200
DST/TSG/WP/2006/01	Development of degradable composites with Euphorbia latex and natural fiber	Dr. R. K. Diwan, Sr. Asstt. Director & Chief (Polymer Processing), Sriram Institute for Industrail Research, 19, University Road, Delhi – 110 007	2	16,14,000
DST/TSG/WP/2005/47	Indigenous Immobilized Plant Biomass Arsenic Removal (IPBAR) Technology Upscaling and Field Trial for Providing Arsenic Free Potable Water”.	Dr. Piyush Kant Pandey , Professor, Centre for Environmental Science & Engineering, Bhilai Institute of Technology (BIT), Bhilai House, Durg – 491 001, Chhattisgarh	2	19,00,000
DST/TSG/WP/2006/17	Development of continuous mode arsenic removal technology for drinking water based on indigenous zerovalent iron	Dr. Sanjeev Chaudhari, Associate Professor, Centre for Environment al Science & Engineering, Indian Institute of Technology (IIT), Powai, Mumbai – 400 076.	3	43,52,000

	DST/TSG/WP/2005/54	Sea water RO Desalination plant of 6000 lph capacity using hollow fibre module for pretreatment	Dr. S.L. Daga, Head, RO Discipline, Central Salt & Marine Chemicals Research Institute (CSMCRI), G.B. Marg, Bhavnagar 364 002, Gujrat.	2	38,34,000
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Subject Area : Waste Management

	DST/TSG/WM/2005/55	Flux enhancement and fouling reduction during effluent (Leather and Dye) treatment using membrane separation.	Dr. Sunandan Das Gupta, Professor, Dept. of Chemical Engineering, IIT, Kharagpur – 721 302.	2	21,40,000
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Subject Area : Traditional Crafts

	DST/TSG/TC/2004/143	Development of medium size plasma waste destruction system for plastic and medical waste.	Dr. S.K. Neema Scientist-SE, Facilitation Centre for Industrial Plasma Technologies (FCIPT), Institute of Plasma Research (IPR), B-15-17/p, G.I.D.C Sector-25, Gandhinagar, Gujarat	1	50,58,000
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Subject Area: NTS				
DST/TSG/Microwave Dryer/2005/60	Development of High Power microwave system for tea processing.	Dr. K.P. Ray, Scientist & Head, RFMS, SAMEER, IIT Campus, Powai Mumbai.-400 076.	2	85,40,000
DST/TSG/NTS/2005/62	Realization of computer based Instrumentation technique for improving the quality of stored potatoes.	Dr. A.D. Kaul, CSIO Chandigarh & Dr. A. Ezekeil, CPRI, Shimla.	2	64,50,000
DST/TSG/NTS/2006/9	Development of compact medical oxygen concentrator	Dr. S.K. Chauhan, CSIO, Delhi	2	19,12,000/-

Subject Area : Ceramic				
DST/TSG/Ceramic/2006/38	Development and demonstration of a technology package for manufacturing sanitary wares based on locally available low cost materials	Mr. T.K. Mukhopadhyay, Scientist, Central Glass & Ceramic Research Institute, G&CRI), 196 Raja S.C. Mullick Road, Jadavpur, Kolkata – 700 032 West Bengal	1.5	25,34,000
DST/TSG/Ceramic/2006/30	Development of Al ₂ O ₃ -MgO-MgAl ₂ O ₄ group of refractories with and without carbon for metallurgical and ceramic industries	Dr. Arup Ghosh, Scientist, Central Glass & Ceramic Research Institute, (CG&CRI), 196 Raja S.C. Mullick Road, Jadavpur, Kolkata – 700 032 West Bengal	2	28,85,000
DST/TSG/Ceramic/2006/56	Pilot Scale demonstration and technical feasibility of nano size photo catalytic titanium oxide for anti algal, anti bacterial and anti soiling coating on terra cotta and glazed ceramic surfaces.	Dr. KGK Warriar, Scientist RRL, Trivendrum.		16,72,000

Subject Area : Glass				
DST/TSG/Glass/2005/58	Market Survey of two technologies developed under Glass Technology Up gradation Programme of DST	Shri S. K. Gupta, Scientific Officer, NRDC, Jamroodpur Community Centre, New Delhi-110048	1	1,00,000