

List of R&D Projects sanctioned During the financial year 2010-2011

New Projects sanctioned during 2010-2011.

Sl. No.	Date of issue of Sanction	Total Cost/Duration	File No.	Project Title	Name & Address of PI
1.	24.05.2010	Rs.24,93,104/- (24 months)	DST/TSG/PT/2008/30	Design, Synthesis and Evaluation of Photoresponsive Polyaromatics films for Solar Cell Applications.	Dr. R.K. Bedi, Professor, Department of Physics, Guru Nanak Dev University, Amritsar-143005, Punjab.
2.	24.05.2010	Rs.9,18,400/- (12 months)	DST/TSG/Ceramic/2008/52	Development of purging plug using fused Al_2O_3 Cr_2O_3 ZrO_2 produced through plasma route	Dr. B.K. Panda, Director, Dalmia Institute of Scientific & Industrial Research, Rajgangpur-770 017 Dist. Sundargarh, Orissa. and Dr. S.K. Singh, Scientist- F, Institute of Minerals & Metals Technology, Bhubaneswar-751 013, Orissa.
3.	24.05.2010	Rs.23,33,240/- (24 months)	DST/TSG/PT/2007/69	Development of fast switching electrochromic devices for antiglare rear view mirrors.	Dr. M. Deepa, Assistant Professor, Department of Chemistry, Indian Institute of Technology, Hyderabad, Ordinance Factory Estate, Yeddumailaram-502205, Andhra Pradesh.
4.	24.05.2010	Rs.57,55,600/- (24 months)	DST/TSG/TC/2008/16	Development & Demonstration of eco-friendly plasma surface modification system for treatment of brass valves.	Dr. S.K. Nema, Scientist-SE, Facilitation Centre for Industrial Plasma Technologies, Institute of Plasma Research, A-10/B, GIDC Electronic Estates, Sector-25, Gandhinagar-382 044, Gujarat.

5.	24.05.2010	Rs.73,37,040/- (18 months)	DST/TSG/NTS/2008/57	Approaches to enhance the integrated knowledge system on soil nutrient analysis, site specific validation, demonstration and popularization of Alternative Analytical Technology (AAT)-PHASE-II	Dr. K. Perumal, Deputy Director, Shri AMM Murugappa Chettiar Research Centre, Taramani, Chennai-600 113, Tamil Nadu. and Dr. Deepak Khemani, Department of Computer Science & Engineering, Indian Institute of Technology, Madras, Chennai-600 036, Tamil Nadu.
6.	24.05.2010	Rs.35,98,000/- (36 months)	DST/TSG/ME/2008/37	Electrochemical DNA biosensor for meningitis.	Dr. Ashok Kumar, Scientist-F, Molecular Biosensor Lab., Institute of Genomics and Integrative Biology, Mall Road, Delhi-110 007. and Dr. B.D. Malhotra, Scientist-in-Charge, Biomolecular Electronics & Conducting Polymer Research Group, National Physical Laboratory, Dr. K.S. Krishnan Marg, New Delhi-110 012. and Dr. Shashi Khare, Microbiology Division, National Centre for Disease Control, 22, Shamnath Marg, New Delhi-110 054.
7.	24.05.2010	Rs.26,08,080/- (18 months)	DST/TSG/PT/2007/30	Surface components as specific markers for the development of immunosensor kit for detection of salmonella typhi.	Dr. Praveen Rishi, Associate Professor, Department of Microbiology, Punjab University, Chandigarh. and Dr. C. Raman Suri, Scientist, Department of Biosensor Laboratory, IMTECH, Chndigarh.

8.	07.06.2010	Rs.17,62,320/- (24 months)	DST/TSG/NTS/2009/26	Development of Agricultural Decision Support System Software.	Dr. V. Ganesan, Dean In-charge, Kelappaji College of Agriculture Engineering and Technology, Kerala Agricultural University, Tavanur-679 573, Malappurum District, Kerala.
9.	07.06.2010	Rs.36,44,200/- (24 months)	DST/TSG/ME/2008/31	CVD Assisted all-dry fabrication technique for electrochromic devices using conducting polymers.	Dr. Vaishali Bombole, Professor, Department of Physics, University of Mumbai, Lokmanya Tilak Bhavan, Vidyanagari, Santacruz (E), Mumbai-400 098, Maharashtra.
10.	02.07.2010	Rs.26,81,400/- (24 months)	DST/TSG/Ceramic/2008/53	Dev. of Magnesia Galaxite bricks for Cement Rotary Kiln.	Dr. P. Sahu, Principal Scientist, Dalmia Institute of Scientific & Industrial Research, Rajgangpur-770017, Dist, Sundargarh, Orissa and Dr. S.K. Singh, Scientist F, Deptt. of Advanced Materials Technology, Institute of Minerals & Materials Technology, Bhubaneswar-751 013 (Orissa)
11.	02.07.2010	Rs.12,43,000/- (10 months)	DST/TSG/ICT/2009/95	To evaluate effectiveness of diagnostic and management decision by teleophthalmology compared to in-clinic assessment of patients and validates the concept of teleophthalmology in Indian context.	Dr. S.C. Gupta, Director (Medical), Venu Eye Institute & Research Centre (VEIRC), 1/31, Sheikh Sarai Institutional Area, Phase-II, New Delhi-110 017.
12.	06.07.2010	Rs. 2,20,73,000/- (36 months)	DST/TSG/ICT/2005/36	Development & Implementation of Model Telepsychiatry Application for Delivering Mental Healthcare in Remote Areas (using Medical Knowledge based Decision Support System).	Dr. Savita Malhotra, Head, Deptt. of Psychiatry, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh-160012.

13.	26.07.2010	Rs. 20,32,400/- (24 months)	DST/TSG/ICT/2007/80	Development of Non-Intrusive system for Real-Time Monitoring and Prediction of Driver Fatigue and Drowsiness.	Dr. P Sudhakara Rao, Dean (R&D), Vignan Institute of Technology & Science (VITS), Vignan Hills, Deshmukhi Village, Pochampally Mandal, Nalgonda District.
14.	26.07.2010	Rs.18,09,000/- (18 months)	DST/TSG/ME/2009/85	Development of a low cost wireless plantar foot pressure monitoring system employing e-field sensors.	Dr. Jacob Philip, Director, Sophisticated Test and Instrumentation Centre (STIC), Cochin University of Science & Technology (CUSAT), Cochin-682 022, Kerala.
15.	07.09.2010	Rs.8,01,72,000/- (36 months)	DST/TSG/NTS/2010/22	Test bed for integrated production of 0.75 TPD FCO grade SOP (Sulphate of Potash), 0.75 TPD of ammonium sulphate and 0.3 TPD of ultra pure magnesia from seawater bittern-based mixed salt through patented process.	Dr. M.R. Gandhi, Scientist-G, Central Salt & Marine Chemical Research Institute (CSMCRI), G.B. Marg, Bhavnagar-364 002.
16.	03.09.2010	Rs.37,15,600/- (24 months)	DST/TSG/ICT/2009/27	Internet Multimedia Search Engine for information retrieval in distributed environment.	Dr. A. Vadivel, Assistant Professor, Deptt. of Computer Applications, National Institute of Technology (NIT), Tiruchirappalli, Tamil Nadu-620 015.
17.	14.09.2010	Rs.21,74,000/- (24 months)	DST/TSG/NTS/2009/48	Preparation of useful products for leather products industry using leather portion of used shoes/chappals.	Dr. B.N. Das, Scientist-F, Deptt. of Shoes Design and Development Centre (SDDC), Central Leather Research Institute (CLRI), Sardar Patel Road, Adyar, Chennai.
18.	13.09.2010	Rs.31,60,000/- (36 months)	DST/TSG/PT/2009/82	Conducting Polymer-Carbon Composite Sensor for the determination of Na: K ratio in Blood Serum samples.	Dr. J. Mathiyarasu, Scientist Gr.IV(2), Electronics and Electrocatalysis Division, Central Electrochemical Research Institute (CECRI), Karaikudi-630 006, Tamil Nadu).

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19.	03.09.2010	Rs.31,29,600/- (36 months)	DST/TSG/PT/2009/94	Development of Cyclopental [c] heterol-based Conjugated Systems for Dye-Sensitized Solar Cells (DSSCs).	Dr. Sanjio S. Zade, Assistant Professor, Deptt. of Chemical Sciences, Indian Institute of Science Education and Research (ISER), Kolkata, BCKV Campus Main Office, Mohanpur-741 252, Nadia, West Bengal.
20.	14.09.2010	Rs.25,96,600/- (24 months)	DST/TSG/NTS/2009/71	Polymer electrolyte membranes: A critical evaluation on the viability for medium temperature fuel cells.	Dr. Smita Mohanty, Senior Technical Officer, Laboratory for Advanced Research in Polymeric Materials (LARPM), Centre Institute of Plastics Engineering & Technology (CIPET), B-25, CNI Complex, Bhubaneswar-751 024, Orissa.
21.	03.09.2010	Rs.15,00,000/- (24 months)	DST/TSG/NTS/2009/67	Bioremediation of Pesticides from Agricultural Soil Using Microbial Consortia and Preparation of Appropriate Formulation.	Dr. Jayanthi Abraham, Assistant Professor Sr., Division of Environmental Biotechnology, School of Biosciences & Technology, VIT University, Vellore-632 014, Tamil Nadu.
22.	03.09.2010	Rs.10,94,400/- (24 months)	DST/TSG/PT/2009/87	“Colored fluorescent conducting polymers for photovoltaic applications-Feasibility Phase”.	Dr. N. Sekar, Professor in Tinctorial Chemistry, Institute of Chemical Technology (formerly UICT, UDCT), Nathalal Parekh Marg, Matunga, Mumbai-400 019.
23.	03.09.2010	Rs.15,45,360/- (36 months)	DST/TSG/WP/2009/69	Amphoteric xanthan gum (AXG): Synthesis, characterization and application as a novel polymeric flocculent for the treatment of industrial wastewater.	Dr. Sagar Pal, Assistant Professor, Department of Applied Chemistry, Indian School of Mines (ISM), Dhanbad-826004, Jharkhand.
24.	03.09.2010	Rs.22,66,541/- (24 months)	DST/TSG/PT/2009/112	Development of Semiconductor nano particles-Conducting polymer composite for Organic Light Emitting Diodes (OLED's).	Dr. Om Prakash Sinha, Assistant Professor, Amity Institute of Nanotechnology, Amity University, U.P. Express Highway, Sector-125, Noida-201 303, Uttar Pradesh.

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25.	13.09.2010	Rs.21,73,920/- (24 months)	DST/TSG/PT/2009/86	Immobilized rice-peroxidase biosensor for dopamine determination based on functionalized conducting polymers.	Dr. Kavita Shah, Associate Professor, Department of Zoology, MMV, Banaras Hindu University, Varanasi-221005, Uttar Pradesh.
26.	03.09.2010	Rs.16,88,880/- (24 months)	DST/TSG/PT/2007/73	Development of Transparent Conducting Coating on Flexible Substrates for Electro-chromic Devices.	Dr. K. Narasimha Rao, Principal Research Scientist, Department of Instrumentation, Indian Institute of Science (IISc.), Bangalore-560012, Karnataka.
27.	14.09.2010	Rs.77,68,000/- (36 months)	DST/TSG/WM/2009/60	Utilization of Banana Stem for Papermaking.	Dr. S.K. Chakrabarti, Dy. Director, Research and Competency Division in Pulp and Paper, Thapar Centre for Industrial Research & Development (TCIRD), BILT Paper Mill Campus, Yamuna Nagar.
28.	03.09.2010	Rs.19,84,448/- (24 months)	DST/TSG/PT/2009/96	LED from Polyaniline Deposited on Porous Silicon Template.	Dr. Deepali Sarkar, Reader, Department of Physics, Gauhati University, Guwahati-781 014, Assam.
29.	17.09.2010	Rs.16,71,360/- (12 months)	DST/TSG/TC/2009/16	Studies on Thermal Plasma Pyrolysis of Crude Oil Residue and Energy Recovery.	Dr. V.K. Srivastava, Assistant Professor, School of Petroleum Technology, Pt. Deen Dayal Petroleum University, Raisan Village, Gandhinagar and Dr. S.K. Nema, Scientist-SE, Facilitation Centre for Industrial Plasma Technology, A-10-B, GIDC, Sector-25, Gandhinagar.
30.	17.09.2010	Rs.34,60,000/- (24 months)	DST/TSG/ME/2008/45	Fabrication & characterization of Organic Thin Film Transistors.	Dr. Deepak Goswami, Assistant Professor, Deptt. of Physics, Indian Institute of Technology, Guwahati, Guwahati-781 039, Assam.

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31.	24.09.2010	Rs.40,15,000/- (36 months)	DST/TSG/PT/2009/11	Design and Development of Organic Light Emitting Diodes and Photovoltaic Devices.	Dr. Parameswar K. Iyer, Associate Professor, Deptt.. of Chemistry, Indian Institute of Technology, Guwahati, Guwahati-781 039, Assam.
32.	01.10.2010	Rs.46,66,000/- (24 months)	DST/TSG/TC/2009/22/2	Development of Performance Evaluation of an Industrial Scale Atmospheric Pressure Air Plasma System to Treat Angora Wool for Manufacture of 100% Products.	Dr. S.K. Nema, Scientist-SE, Facilitation Centre for Industrial Plasma Technology, A-10-B, GIDC, Sector-25, Gandhinagar, Gujarat and Dr. Kailash Bhatt, Manager (Prod. & Marketings), Himalayan Institute for Environment Ecology & Development, Ranichauri, District Tehri Garhwal, Uttarakhand.
33.	01.10.2010	Rs.34,30,000/- (36 months)	DST/TSG/AF/2010/09	Microbial fuel cell development for production of electricity from waste biomass.	Dr. D. Sangeetha, Senior Lecturer, Department of Chemistry, Anna University, Chennai-600 025, Tamil Nadu.
34.	01.10.2010	Rs.5,23,15,410/- (60 months)	DST/TSG/ME/2009/23	Design, Development and fabrication of OLED Organic Solar Cells and Organic TFTs based on Molecular Polymeric and composite materials.	Dr. Parameswar K. Iyer, Associate Professor, Department of Chemistry, Indian Institute of Technology, Guwahati, Guwahati-781 039, Assam.
35.	18.10.2010	Rs. 54,18,400/- (24 months)	DST/TSG/AF/2009/74	Development of new composite catalysts for the production of hydrogen glycerol.	Dr. P.S. Sai Prasad, Scientist-G, I&PC Division, Indian Institute of Chemical Technology, Hyderabad-500 007, Andhara Pradesh,
36.	18.10.2010	Rs.3,06,76,000/- (36 months)	DST/TSG/NTS/2009/62	Facility for Rheo Pressure Die Casting	Dr. Sudip Kumar Samanta, Scientist E-I, Foundry Group, Central Mechanical Engineering Research Institute (CMERI),

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