

## Sponsored Research Projects Undertaken During the Financial Year 2013-14

(Based on data available in ACSS database on 11/4/2016)

S. No.	Project No	Project Title	Sponsoring Agency	Sanctioned Funds (Rs. Lacs)	Start Date	Completion Date	Name of the Principal Investigator / Department	Project Department
<b>Dept. of Applied Mechanics</b>								
1.	RP02814	Large Eddy Simulation of Turbulent Slot Jet Impingement Heat Transfer	Science and Engineering Research Board,(DST) India	19.35	27-09-2013	26-06-2017	ANUPAM DEWAN Dept. of Applied Mechanics	Dept. of Applied Mechanics
2.	RP02797	Study of Deformation Behaviour of Precipitate Containing Mg-6Al-1Zn alloy	Department of Science & Technology (DST) India	21.70	06-09-2013	05-09-2016	JAYANT JAIN Dept. of Applied Mechanics	Dept. of Applied Mechanics
3.	RP02795	Flow Characteristics of Heated Multicoaxial Jets	DRDO, Ministry of Defence India	12.39	02-09-2013	01-09-2015	S.N. SINGH Dept. of Applied Mechanics	Dept. of Applied Mechanics
4.	RP02816	Cell Mechanics: Probing the Mechanical Response of Biological Cell	Science and Engineering Research Board DST, India	27.80	01-12-2013	30-11-2015	SITIKANTHA ROY Dept. of Applied Mechanics	Dept. of Applied Mechanics
<b>Dept. of Biochemical Engineering &amp; Biotechnology</b>								
5.	RP02817	DuPont Young Professor Award-2013	Dupont Centre for Collaborative Research & Education United States of America	15.22	01-08-2013	31-07-2016	D.SUNDAR Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
6.	RP02764	Metabolic Engineering for Production of Terpenoids in Tobacco Plants	Department of Biotechnology, Ministry of Sc.& Tech India	23.50	30-05-2013	29-05-2016	D.SUNDAR Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
7.	RP02736	US-India Consortium for Development of Sustainable Advanced Lignocellulosic Biofuel System (SALBS)	Indo-US science & Technology Forum United States of America	87.58	01-04-2013	31-03-2018	G.P. AGARWAL Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
8.	RP02841	Chromosome Dynamics in Rhodococcus Erythropolis PR4	Science and Engineering Research Board,(DST) India	47.27	18-12-2013	17-12-2016	PREETI SRIVASTAVA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
9.	RP02823	Direct Detection of Enteric Fever in Blood by Evanescent Wave Optical Illumination	Department of Biotechnology, Ministry of Sc.& Tech India	83.19	24-10-2013	23-10-2016	RAVI KRISHNAN ELANGO VAN Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

10.	RP02734	Development of a Novel Magnetic Tweezer to Measure Torque in Bacterial Flagella Motor	Department of Biotechnology, Ministry of Sc.& Tech India	30.00	13-05-2013	12-05-2016	RAVI KRISHNAN ELANGO VAN Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
11.	RP02745	Investigating Modulation of miRNA expression in the Hypoxic Stem Cell Niche	International Division, Dept. of Science & Technology	15.32	23-05-2013	30-11-2015	RITU KULSHRESHTHA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
12.	RP02875	Design of Novel Laccases for Degradation of Complex Dyes	Department of Biotechnology, Ministry of Sc.& Tech India	39.86	14-03-2014	13-03-2017	SAROJ MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
13.	RP02776	Efficacy and Risk assessment of Bionoculants in Cajanus Cajan: Impact on Plant Growth, Rhizospheric Microbial Diversity and Genes involved in N Turnover.	Department of Biotechnology, Ministry of Sc.& Tech India	40.74	01-08-2013	31-07-2016	SHILPI SHARMA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
14.	RP02747	In Vitro Assessment of the Effects of Commercially Available Nutraceuticals and Oligosaccharides as Probiotics on the Human Gut Microflora	Department of Science & Technology (DST) India	23.23	30-05-2013	29-07-2015	SHILPI SHARMA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
15.	RP02788	Biodegradation of textile dyes by Sequential anaerobic-aerobic process and Recovering energy	Department of Science & Technology (DST) India	22.50	14-08-2013	13-08-2016	T.R.SREEKRISHNAN Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
16.	RP02890	Training of NFCL scientists on Mass Multiplication of PGPR and Formulation - a process developed Under ISCB-sponsored BF Net Project	Department of Biotechnology, Ministry of Sc.& Tech India	5.18	31-03-2014	30-07-2014	V.S. BISARIA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
<b>Dept. of Chemical Engineering</b>								
17.	RP02729	Treatment of Industrial Effluent using Biochar as Low-Cost Adsorbent	Council of Scientific & Industrial Research India	10.64	01-04-2013	31-03-2015	ANIL KUMAR SAROHA Dept. of Chemical Engineering	Dept. of Chemical Engineering
18.	RP02863	Imaging Technologies to Understand Bioseparations, under UGC - UKIERI Thematic Partnership - 2013	University Grants Commission	25.44	01-03-2014	29-02-2016	ANURAG SINGH RATHORE Dept. of Chemical Engineering	Dept. of Chemical Engineering
19.	RP02751	Role of Early Events in Aggregation of Small Therapeutic Proteins	Department of Science & Technology (DST) India	41.07	05-06-2013	04-06-2016	GAURAV GOEL Dept. of Chemical Engineering	Dept. of Chemical Engineering

20.	RP02743	Hydrodynamic Stability of Polymer Fiber Spinning	Department of Science & Technology (DST) India	16.38	23-05-2013	22-05-2016	PARESH PRAVINCHANDRA CHOKSHI Dept. of Chemical Engineering	Dept. of Chemical Engineering
21.	RP02791	Modelling and Simulation of Growth of Hairy Root Network of Artemisia Annua in a Nutrient Mist Bioreactor for Commercial Production of Artemisinin	Department of Science & Technology (DST) India	24.26	01-08-2013	31-07-2016	RAJESH KHANNA Dept. of Chemical Engineering	Dept. of Chemical Engineering
22.	RP02840	Assembly and Phase Behaviour of Biocolloidal Mixtures under AC Electric Fields	Council of Scientific & Industrial Research India	10.63	01-01-2014	31-12-2016	SHALINI GUPTA Dept. of Chemical Engineering	Dept. of Chemical Engineering
23.	RP02765	Hydrodynamics of Coal, Ash and Mixtures in Fluidized Beds of Relevance to IGCC	Bharat Heavy Electricals Ltd. India	29.09	01-06-2013	28-02-2015	SHANTANU ROY Dept. of Chemical Engineering	Dept. of Chemical Engineering
24.	RP02854	Effect of Substrates on Properties of Adsorbed Proteins at Interfaces	Science and Engineering Research Board,(DST) India	44.29	09-01-2014	08-01-2017	SUDIP KUMAR PATTANAYEK Dept. of Chemical Engineering	Dept. of Chemical Engineering
25.	RP02761	CFD Modeling of Continuous Gravity Settler for Disengagement of Liquid-Liquid Dispersions	Board of Research in Nuclear Sciences (DAE) India	34.49	01-07-2013	30-06-2016	VIVEK VITTHAL BUWA Dept. of Chemical Engineering	Dept. of Chemical Engineering
<b>Dept. of Chemistry</b>								
26.	RP02802	Templated noble Metal (Pd,Ag,Au) Nanoclusters: selective sensor for Anions.	Science and Engineering Research Board,(DST) India	25.00	16-09-2013	15-09-2016	A.K. SINGH Dept. of Chemistry	Dept. of Chemistry
27.	RP02744	Metal Chalcogenides: Synthesis at Nanoscale and Catalysis	Department of Science & Technology (DST) India	20.70	23-05-2013	22-05-2016	A.K. SINGH Dept. of Chemistry	Dept. of Chemistry
28.	RP02827	Studies on Synthetic Molecular Receptors for Recognition of Anions and Neutral Molecules	Science and Engineering Research Board,(DST) India	25.00	22-10-2013	21-10-2016	NALIN PANT Dept. of Chemistry	Dept. of Chemistry
29.	RP02746	Investigating the Role of Ionic Liquids in Synthesis and Recognition ability of Calixarene Family Macrocycles	Department of Science & Technology (DST) India	24.70	24-05-2013	01-07-2014	P.S. PANDEY Dept. of Chemistry	Dept. of Chemistry
30.	RP02821	Potential of Crop Plants to Generate Metal Nanoparticles	Department of Biotechnology, Ministry of Sc.& Tech India	48.31	01-10-2013	30-09-2016	PRAMIT KUMAR CHOWDHURY Dept. of Chemistry	Dept. of Chemistry

31.	RP02803	Nano-oxides with Controlled Size and Morphology Modified with Noble Metals (Pt,PD,Ru) for Purification Processes (complete Oxidation of Volatile Organic Compounds and Prox Process)	Department of Science & Technology (DST)	6.12	13-09-2013	12-09-2016	PRAMIT KUMAR CHOWDHURY Dept. of Chemistry	Dept. of Chemistry
32.	RP02798	Design and Investigation of Pnictogen-Based Superconductors	Department of Science & Technology (DST) India	36.10	23-08-2013	22-08-2016	PRAMIT KUMAR CHOWDHURY Dept. of Chemistry	Dept. of Chemistry
33.	RP02832	Design and Synthesis of Bifunctional Organocatalyst/Ligand and Their Application in Asymmetric Carbon-Carbon Bond Formation	Science and Engineering Research Board,(DST) India	55.00	24-09-2013	23-09-2016	RAVI P. SINGH Dept. of Chemistry	Dept. of Chemistry
34.	RP02748	Synthesis of advanced functional nanocomposites for their photocatalytic applications	Department of Science & Technology (DST) India	29.01	03-06-2013	02-06-2016	SAMEER SAPRA Dept. of Chemistry	Dept. of Chemistry
35.	RP02845	Search for Ionic Liquid Based Systems with Superior Physicochemical Properties	Council of Scientific & Industrial Research India	17.14	01-01-2014	31-12-2016	SIDDHARTH PANDEY Dept. of Chemistry	Dept. of Chemistry
36.	RP02774	Solvation Within Deep Eutectic Solvents	Department of Science & Technology (DST) India	35.70	13-07-2013	12-07-2016	SIDDHARTH PANDEY Dept. of Chemistry	Dept. of Chemistry
37.	RP02805	Biodegradation of chlorinated organics by extremophiles: Developing biocatalyst for effective remediation	Department of Biotechnology, Ministry of Sc.& Tech India	32.49	19-09-2013	18-09-2016	SUNIL KUMAR KHARE Dept. of Chemistry	Dept. of Chemistry
38.	RP02807	Biotechnological Approaches for Utilization of Deoiled Seed Cakes in Producing Food Enzymes and Chemicals	Science and Engineering Research Board,(DST) India	22.91	19-09-2013	18-09-2015	SUNIL KUMAR KHARE Dept. of Chemistry	Dept. of Chemistry
<b>Dept. of Civil Engineering</b>								
39.	RP02801	Regional Scale Hydrological Modeling for Climate Change Impact Assessment	Department of Science & Technology (DST) India	14.22	10-09-2013	09-09-2016	DHANYA C.T. Dept. of Civil Engineering	Dept. of Civil Engineering
40.	RP02738	Testing and Simulation of Building Performance of Affordable Housing Units	Tata Steel Ltd. India	55.88	25-04-2013	31-12-2014	DIPTI RANJAN SAHOO Dept. of Civil Engineering	Dept. of Civil Engineering

41.	RP02886	Estimating Risk to Road Users & Impact of Active Traffic Calming Measures on Vehicular Speed in Highway Work Zones	Road Traffic Injury Research Network, HSRC, Nation Mexico	16.43	14-02-2014	31-12-2016	GEETAM TIWARI Dept. of Civil Engineering	Dept. of Civil Engineering
42.	RP02804	Experimental Investigations and Analysis of Geosynthetics Reinforced Railway Tracks Laid on Clayey Subgrade	Department of Science & Technology (DST) India	32.00	05-09-2013	04-09-2016	JAGDISH TELANGRAO SHAHU Dept. of Civil Engineering	Dept. of Civil Engineering
43.	RP02737	Identification, Evaluation and Strategic Management of Risks in Infrastructure Projects in India	National Buildings Construction Corporation Limited India	29.64	01-05-2013	31-12-2016	K. CHANDRASHEKHAR IYER Dept. of Civil Engineering	Dept. of Civil Engineering
44.	RP02780	Eco-Innovative, Safe and Energy Efficient Wall Panels and Materials for a healthier Indoor Environment	European Commission United Kingdom	86.29	01-08-2013	31-07-2017	MUKESH KHARE Dept. of Civil Engineering	Dept. of Civil Engineering
45.	RP02753	Receptor Modelling of Particulate Air Pollutants	U.K.I.E.R.I., British Council Division United Kingdom	17.16	07-06-2013	30-06-2016	MUKESH KHARE Dept. of Civil Engineering	Dept. of Civil Engineering
46.	RP02849	Characterization of High Strain Rate Behaviour of Rocks and Its Application in Blast Loading on Underground Structures	DRDO India	40.25	03-01-2014	02-01-2017	TANUSREE CHAKRABORTY Dept. of Civil Engineering	Dept. of Civil Engineering
47.	RP02838	Characterization of High Strain Rate Behavior of Soil and Concrete and Its Application in Designing Semi-Buried Structures under Blast Loading	Department of Atomic Energy(GOI) India	15.80	11-12-2013	10-12-2016	TANUSREE CHAKRABORTY Dept. of Civil Engineering	Dept. of Civil Engineering
48.	RP02861	Fire Centre for Advancing Research and Education in Structural Fire Engineering	INDO-US Science & Technology Forum United States of America	12.84	19-08-2013	18-08-2015	VASANT A. MATSAGAR Dept. of Civil Engineering	Dept. of Civil Engineering
<b>Dept. of Computer Science &amp; Engineering</b>								
49.	RP02901	VDTT SUB-PROJECT #30 of Synopsys (India) Pvt. Ltd., Noida	SYNOPSIS (India) Private Limited India	4.00	01-07-2013	31-07-2016	ANSHUL KUMAR Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
50.	RP02800	Microsoft Unrestricted Research Grant	Microsoft India (R&D) Pvt. Ltd. India	7.00	09-09-2013	31-12-2018	HUZUR SARAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
51.	RP02770	Structured Sharing of Networks and Computer Resources in a Community & Devices	Intel Labs University research Office (URO) United States of America	122.68	04-07-2013	31-05-2016	HUZUR SARAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering

52.	RP02768	Google Unrestricted Research Grant	Google India Pvt. Ltd India	1.80	03-07-2013	31-12-2016	HUZUR SARAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
53.	RP02750	LTE Performance Evaluation and Application Development Phase - II	CISCO, Sez Unit India	19.80	03-06-2013	02-04-2016	HUZUR SARAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
54.	RP02793	Design & Development of an Assistive Device for Public Bus Access for the Visually Impaired	Department of Science & Technology (DST) India	35.10	01-09-2013	30-06-2015	M. BALAKRISHNAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
55.	RP02782	Design & Development of Electronic Personal Security Device	Ministry of Communications & Information Technology India	48.00	01-08-2013	31-03-2015	M. BALAKRISHNAN Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
56.	RP02885	Research on knowledge representation and extraction of single event	The Korean Institute of Science & Technology Korea	52.58	01-03-2014	30-09-2014	MAUSAM Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
57.	RP02742	Trend Identification on Twitter	Yahoo Labs United States of America	4.20	21-05-2013	30-06-2015	MAYA RAMANATH Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
58.	RP02741	Databases Indo-Max Planck Centre for computer science (IMPECS) programme	Department of Science & Technology (DST) India	38.10	17-05-2013	16-05-2018	MAYA RAMANATH Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
59.	RP02787	Mining Opinions from News sources for defense applications	Defence Research & Development Organization, Delhi India	9.89	22-08-2013	30-03-2015	PARAG SINGLA Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
60.	RP02732	Tracking Human Motion via Sensor Fusion	C S R Technology(India) Pvt. Ltd. India	12.24	08-04-2013	07-04-2014	VINAY JOSEPH RIBEIRO Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
<b>Dept. of Electrical Engineering</b>								
61.	RP02779	Centre for Excellence in Low Power Design on Nanoscale Devices, Circuits and Systems	Ministry of Human Resource Development India	100.00	08-05-2013	07-05-2017	ANSHUL KUMAR Dept. of Computer Science & Engineering	Dept. of Electrical Engineering
62.	RP02829	surface enhanced Raman scattering (SERS) Based sensing and Imaging for early Diagnosis of Breast Cancer	Department of Biotechnology, Ministry of Sc.& Tech India	74.25	09-10-2013	08-10-2016	ANUJ DHAWAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
63.	RP02874	National Programme on Perception Engineering-(NPPE) Phase II	Ministry of Communications & Information Technology India	260.82	28-03-2014	27-03-2018	INDRA NARAYAN KAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
64.	RP02865	Quantification and Comparison of the Energy Growth Rate in Various Fermi Accelerators	Science and Engineering Research Board, (DST) India	15.86	26-02-2014	25-02-2017	KUSHAL KUMAR SHAH Dept. of Electrical Engineering	Dept. of Electrical Engineering

65.	RP02847	Personal Authentication Using Multimodal Behavioural Biometrics: Voice and Gait	Science and Engineering Research Board,(DST) India	47.93	26-12-2013	25-12-2016	M.HANMANDLU Dept. of Electrical Engineering	Dept. of Electrical Engineering
66.	RP02859	Path Selection in Multi-Hop Cooperative Wireless Networks: Algorithm Design and Hardware Implementation	Science and Engineering Research Board,(DST) India	54.99	01-01-2014	31-12-2016	MANAV BHATNAGAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
67.	RP02857	Interface Hap Generated Dark Current Studies on CMOs Image Sensors	Board of Research in Nuclear Sciences (DAE) India	19.53	17-01-2014	16-01-2017	MUKUL SARKAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
68.	RP02851	Electronically Stitched Large Format Cameras	Space Application Centre, ISRO India	39.22	03-01-2014	02-01-2017	MUKUL SARKAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
69.	RP02825	Compressive Sampling for Imaging Application	Akshi Technologies India	8.36	05-11-2013	04-11-2016	S.D. JOSHI Dept. of Electrical Engineering	Dept. of Electrical Engineering
70.	RP02839	Implementation Issues in Practical deployment of Massive/Large Multiple-Input Multiple Output systems for cellular Communications.	Science and Engineering Research Board,(DST) India	24.30	12-12-2013	11-12-2016	SAIF KHAN MOHAMMED Dept. of Electrical Engineering	Dept. of Electrical Engineering
71.	RP02819	Mobile Broadband service Support Over Cognitive Radio Networks	Ministry of Information Technology India	105.36	09-10-2013	08-10-2016	SHANKAR PRAKRIYA Dept. of Electrical Engineering	Dept. of Electrical Engineering
72.	RP02837	Proposal for a Low-cost Wild Animal Protection System Through Animal Presence and Movement Detection Using Wireless Sensor Network	Department of Science & Technology (DST) India	116.57	03-12-2013	02-12-2016	SUBRAT KAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
73.	RP02808	design and development of Robust Controller for Seamless Operation of Microgrid	Department of Science & Technology (DST) India	54.99	09-09-2013	08-09-2016	SUKUMAR MISHRA Dept. of Electrical Engineering	Dept. of Electrical Engineering
<b>Dept. of Humanities &amp; Social Sciences</b>								
74.	RP02871	Inclusive innovation course and program	Omidyar Network Fund Inc. (IU) United States of America	127.30	19-11-2013	18-11-2016	P.V.MADHUSUDHAN RAO Dept. of Mechanical Engineering	Dept. of Humanities & Social Sciences
75.	RP02762	Participatory Evaluation of Entitlement Programmes (PEEP)	Indian Council of Social Science Research India	5.00	20-05-2013	19-09-2015	REETIKA KHERA Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences

76.	RP02831	The Capabilities Approach to education: Access, Equity and quality	Indian Council of Social Science Research India	49.38	02-12-2013	04-05-2016	RUKMINI BHAYA NAIR Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
<b>Dept. of Management Studies</b>								
77.	RP02778	Decision & Information Synergy Model for Flexible Product Recovery System	Department of Science & Technology (DST) India	14.28	24-07-2013	23-07-2016	JITENDRA MADAN Dept. of Management Studies	Dept. of Management Studies
78.	RP02740	Competency Mapping and Profiling for Scientists	Snow and Avalanche Study Establishment (SASE) India	9.96	07-05-2013	30-06-2015	KANIKA TANDON BHAL Dept. of Management Studies	Dept. of Management Studies
79.	RP02784	Developing a Framework of Consumer Awareness on RF Exposure for Telecommunication Industry	GSMA United Kingdom	19.20	12-08-2013	30-06-2014	MAHIM SAGAR Dept. of Management Studies	Dept. of Management Studies
80.	RP02754	The Impact of Microloans, Mobile Phones and Business Training on Microenterprises Owned by Women in Developing Countries: An Experimental Study in Coimbatore, India	International Development Research Centre, Canada	114.64	11-06-2013	10-06-2016	P. VIGNESWARA ILAVARASAN Dept. of Management Studies	Dept. of Management Studies
81.	RP02855	Development of the Transfer Operate Transfer (TOT) Framework	National Buildings Construction Corp. Ltd. India	12.00	03-02-2014	30-11-2015	SHVETA SINGH Dept. of Management Studies	Dept. of Management Studies
<b>Dept. of Mathematics</b>								
82.	RP02711	Development of Design Tree Based Classifier the Avalanche Forecasting	Snow & Avalanche Study Establishment India	8.52	16-04-2013	31-03-2015	B. CHANDRA Dept. of Mathematics	Dept. of Mathematics
83.	RP02735	Singular Phenomena in Reaction Diffusion Equations and in Conservation Laws	Indo French Centre for Applied Mathematics	9.97	24-05-2013	23-05-2014	KONIJETI SREENADH Dept. of Mathematics	Dept. of Mathematics
<b>Dept. of Mechanical Engineering</b>								
84.	RP02842	Effect of Wing Flexibility on Forward Propulsion of a Plunging Membrane	Aeronautics R & D Board, Directorate of Aeronautic India	14.31	17-12-2013	16-12-2016	AMIT GUPTA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
85.	RP02757	Investigation on capacity Deterioration in Lithium-Ion Batteries	Department of Science & Technology (DST) India	24.00	01-07-2013	30-06-2016	AMIT GUPTA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
86.	RP02844	Position and Personalize Advanced Human Body Models for Injury Prediction	European Union	225.92	01-11-2013	30-04-2017	ANOOP CHAWLA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

87.	RP02836	Development of forming limits of aluminum alloys in warm sheet forming for better failure prediction in FE analysis	Science and Engineering Research Board,(DST) India	21.85	19-12-2013	18-12-2016	DIGAVALLI RAVI KUMAR Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
88.	RP02794	Design and Development of Hybrid Bearing for Flywheel Wind Energy System	Council of Scientific & Industrial Research India	28.81	30-08-2013	29-08-2016	HARISH HIRANI Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
89.	RP02756	Development of selected medical implants: Dental implants - Phase II	NMITLI, PPD, Council of Science & Industrial Research India	296.52	13-06-2013	12-06-2016	NARESH BHATNAGAR Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
90.	RP02708	Indo-US Fellowship to Dr. Nomes B. Bolia in the area of Public Health on To develop scheduling methods for diagnostics equipment taking relevant constraints in consideration	INDO-US Science & Technology Forum United States of America	6.76	01-05-2013	31-07-2013	NOMESH BHOJKUMAR BOLIA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
91.	RP02792	Development of a Low-cost Electronics Refreshable Braille Display for the Visually Impaired	Department of Science & Technology (DST) India	37.77	01-09-2013	29-02-2016	P.V.MADHUSUDHAN RAO Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
92.	RP02785	Characterization of Drying Kinetics of Food Materials Subjected to Convective Drying Model Development and Experimental Studies	Council of Scientific & Industrial Research India	13.27	01-07-2013	30-06-2016	PRABAL TALUKDAR Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
93.	RP02786	Development and fabrication of ultrasonic barrel cleaning device for artillery & AFV gun barrels	Army Technology Board, Baroda India	30.00	20-08-2013	31-05-2016	PULAK MOHAN PANDEY Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
94.	RP02758	Modelling the Interplay of Hydrodynamic Slip and Electrokinetics in Micro-Nanochannels	Department of Science & Technology (DST) India	9.12	17-06-2013	16-06-2016	SUBHRA DATTA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

95.	RP02811	Improving Grinding Characteristics of Ti-6Al-4V using Nano Fluids under Minimum Quantity Lubrication Technique and Liquid Nitrogen jets	Science and Engineering Research Board,(DST) India	19.50	27-09-2013	26-09-2016	SUDARSAN GHOSH Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
96.	RP02759	Modelling and Analysis of the Impact of Forecasting Policies in Mitigating Supply Chain Disruptions	Department of Science & Technology (DST) India	10.30	17-06-2013	16-06-2016	VIPUL JAIN Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
<b>Dept. of Physics</b>								
97.	RP02775	Low Temperature Raman Spectroscopy of Carbon Nanostructures	Department of Science & Technology (DST) India	42.28	17-07-2013	16-07-2016	A.K. SHUKLA Dept. of Physics	Dept. of Physics
98.	RP02833	Studies on Zinc Oxide Based Optical Fiber Surface Plasmon Resonance Gas Sensors	Council of Scientific & Industrial Research India	4.89	01-01-2014	31-12-2016	B.D. GUPTA Dept. of Physics	Dept. of Physics
99.	RP02781	Nanocomposites of Graphene and Size-Selected Pd, Pt and Pd-Pt Alloy Nanoparticles for Hydrogen Sensing Applications	Directorate of Extramural Research & Intellectual India	49.88	30-08-2013	29-08-2016	BODH RAJ Dept. of Physics	Dept. of Physics
100.	RP02772	Design and Development of Naturally Self-Assembled Inorganic-Organic Hybrids for Photonic Applications	Department of Science & Technology (DST) India	43.90	10-07-2013	09-07-2016	GADDAM VIJAYA PRAKASH Dept. of Physics	Dept. of Physics
101.	RP02826	Rayleigh-Taylor and Two-Stream Instabilities in Magnetized Plasmas under Ionization Effect	Council of Scientific & Industrial Research India	9.45	05-11-2013	04-11-2016	HITENDRA KUMAR MALIK Dept. of Physics	Dept. of Physics
102.	RP02796	Plasma based Strong and Tunable THz Radiations Generation	Department of Science & Technology (DST) India	13.20	04-09-2013	03-09-2016	HITENDRA KUMAR MALIK Dept. of Physics	Dept. of Physics
103.	RP02812	High Resolution Holographic Microscope for 3D Imaging of Live Biological Cells	Department of Biotechnology, Ministry of Sc.& Tech India	38.36	18-09-2013	17-09-2016	KEDAR BHALCHANDRA KHARE Dept. of Physics	Dept. of Physics
104.	RP02810	Develop and Fabricate Non Dispersive IR based (NDIR) based CO2 Gas sensors for Industrial and Medical care	Department of Science & Technology (DST) India	21.62	23-09-2013	22-01-2016	MUKESH CHANDER Dept. of Physics	Dept. of Physics

105.	RP02752	Design and Analysis of Optical Microstructured Fibre-Based Terahertz Source for Transmission and Applications	UK-India Education & Res. Initiative (UKIERI) United Kingdom	22.05	07-06-2013	31-12-2015	R.K. VARSHNEY Dept. of Physics	Dept. of Physics
106.	RP02843	Investigation of Structural Optical and Electrical Properties of GA2O3 Nanowires Grown by CVD Technique for Nanoscale Device Applications	Department of Science & Technology (DST) India	19.60	22-11-2013	21-11-2016	RAJENDRA SINGH Dept. of Physics	Dept. of Physics
107.	RP02828	Fabrication of Vertically Standing GaN Nano-Rods and Nano-Wires using Nano-Masking and Etching Techniques for Applications in Nano-PN Junctions and Nano-LEDs	International Division, Dept. of Science & Techn.	5.30	02-09-2013	01-09-2015	RAJENDRA SINGH Dept. of Physics	Dept. of Physics
108.	RP02873	Synthesis & Characterization Non-lead based Multiferroic Systems	Directorate of Extramural Research & Intellectual India	69.82	21-03-2014	20-03-2017	RATANAMALA CHATTERJEE Dept. of Physics	Dept. of Physics
109.	RP02809	Blue Inorganic Coatings on Glass	Saint Gobin Research India Limited, Sigapi Aachi B India	31.20	01-11-2013	31-10-2015	SUJEET CHAUDHARY Dept. of Physics	Dept. of Physics
110.	RP02830	Synthesis and Characterization of Graphenes/Carbon Nanostructures by Pulsed Laser Ablation	Department of Science & Technology (DST) India	54.90	18-11-2013	17-11-2016	V.D. VANKAR Dept. of Physics	Dept. of Physics
<b>Dept. of Textile Technology</b>								
111.	RP02733	Development of Base Fabric Facilitating Reinforcement of Laminated Fabric for Aerostat Application	Defence Materials & Stores R & D Establishment India	10.00	16-04-2013	31-12-2014	B.K.BEHERA Dept. of Textile Technology	Dept. of Textile Technology
112.	RP02799	Multifunctional Polymer Nanoobjects via Block Copolymer Self Assembly	Department of Science & Technology (DST) India	29.20	01-11-2013	31-10-2016	BHANU NANDAN Dept. of Textile Technology	Dept. of Textile Technology
113.	RP02755	Development of Adaptive Camouflage Textiles by using Photochromic and Thermochromic Pigments on Cotton Fabrics	Defence Laboratory (DRDO) India	9.90	13-06-2013	31-07-2014	BHUPENDRA SINGH BUTOLA Dept. of Textile Technology	Dept. of Textile Technology
114.	RP02689	Development of Biopolymer Based Hydrogel for Acne Treatment	Indian Council of Medical Research India	14.67	01-11-2013	31-10-2016	BHUVANESH GUPTA Dept. of Textile Technology	Dept. of Textile Technology

115.	RP02789	Development and Processibility of Polyolefins (PE & PP) for Human Healthcare Applications	GAIL (India) Limited, Noida India	85.58	01-08-2013	11-12-2015	BHUVANESH GUPTA Dept. of Textile Technology	Dept. of Textile Technology
116.	RP02730	An Experimental and Numerical Study on the Mechanics of Nonwoven	Council of Scientific & Industrial Research India	4.75	01-04-2013	31-03-2016	DIPAYAN DAS Dept. of Textile Technology	Dept. of Textile Technology
117.	RP02771	Characterization of Macromolecular Structure of Decellularized Cornea for Tissue Engineering	Department of Biotechnology India	61.35	01-07-2013	30-06-2016	SOURABH GHOSH Dept. of Textile Technology	Dept. of Textile Technology
<b>Centre for Applied Research in Electronics (CARE)</b>								
118.	RP02760	Design and Development of GaN Devices based Power Amplifier, Low Noise Amplifier and SPDT Switch for T/R Module Application	Solid State Physics Laboratory India	9.90	17-06-2013	30-09-2015	MADHUSUDAN SINGH Dept. of Electrical Engineering	Centre for Applied Research in Electronics (CARE)
119.	RP02846	Design and Development of Ultra-Thin and Tunable Artificial Magnetic Conductors (AMC) for Antenna Applications	Science and Engineering Research Board,(DST) India	41.81	26-12-2013	25-12-2016	MAHESH P. ABEGAONKAR Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
120.	RP02858	RF, Microwave and Millimeter Wave MREMS Characterization - Phase -II	Aeronautical Development Agency , India	12.95	01-01-2014	31-12-2014	SHIBAN KISHEN KOUL Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
121.	RP02867	Imprinted Polymers for Sensing and Removal of Selected Antibiotic and Pesticide Residue	Indian Council of Agriculture Research India	46.17	01-10-2013	30-09-2015	SUDHIR CHANDRA Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
<b>Centre for Atmospheric Sciences</b>								
122.	RP02769	Development of an Improved Prediction system for storm surges and its Inland Inundation along the Indian Coasts	Indian National Centre for Ocean Information Service India	91.99	01-07-2013	30-06-2017	A.D. RAO Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

<b>Centre for Energy Studies (CES)</b>								
123.	RP02806	Design and Development of Tools and Techniques for Voltage Stability Assessment and Enhancement of LV Distribution Networks with RE (Renewable Energy based Multiple DG (Distributed Generation) Penetration	Science and Engineering Research Board,(DST) India	23.45	19-09-2013	18-09-2016	ASHU VERMA Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
124.	RP02818	Off Grid BiPVT Integrated Micro-Wind Power System	Department of Science & Technology (DST) India	55.59	10-10-2013	09-10-2016	G.N. TEWARI Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
125.	RP02763	Physics and Applications of Complex Plasmas	Department of Science & Technology (DST) India	24.36	24-06-2013	23-06-2016	MRS. R. UMA Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
<b>Instrument Design &amp; Development Centre</b>								
126.	RP02824	Networked Infrastructure for the Remote Monitoring of Patients	International Division, Dept. of Science & Techn.	19.93	25-10-2013	31-03-2016	A.L. VYAS Instrument Design & Development Centre	Instrument Design & Development Centre
127.	RP02790	Developing Remote Operation of anti-aircraft machine Gun 12.7 mm NSVT Mounted on Commander's Cupola Tank T-72	Army Technology Board, Baroda India	25.00	14-08-2013	31-08-2016	DALIP SINGH MEHTA Dept. of Physics	Instrument Design & Development Centre
128.	RP02822	Design and Development of Freeform Optics and Non-Imaging Applications	International Division, Dept. of Science & Techn.	10.30	23-10-2013	22-10-2015	GUFRAAN SAYEED KHAN Instrument Design & Development Centre	Instrument Design & Development Centre
129.	RP02731	Diffraction Optics as Null Elements for Absolute Aspheric Metrology	Instruments Research & Development Establishment India	44.44	08-04-2013	13-03-2015	GUFRAAN SAYEED KHAN Instrument Design & Development Centre	Instrument Design & Development Centre
<b>Centre for Polymer Science &amp; Engineering</b>								
130.	RP02872	Development of Personal Protective Systems using Shear Thickening Fluids	Terminal Ballistics Research Lab India	493.20	03-03-2014	15-06-2017	ANUP KUMAR GHOSH Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
131.	RP02749	Centre of Excellence for Advanced Polymeric Materials	Ministry of Chemicals & Fertilizers India	600.00	01-04-2013	31-03-2016	ANUP KUMAR GHOSH Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
132.	RP02856	Synthesis and Device Studies on Donor Acceptor Type Materials for Photovoltaic Applications	Department of Science & Technology (DST) India	44.96	23-01-2014	22-01-2017	JOSEMON JACOB Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering

<b>Centre for Rural Development Technology (CRDT)</b>								
133.	RP02891	Demonstration & Field Trails of Hydrogen Fuelled 3 Wheelers in New Delhi	Ministry of New and Renewable Energy India	305.85	01-10-2013	30-09-2016	S.N.NAIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
134.	RP02835	Fecal Sludge and Human Urine Reuse in agriculture- Opportunities for addressing Phosphorus Needs in India	National Academy of Science United States of America	68.13	02-09-2013	01-09-2016	VIJAYARAGHAVAN M. CHARIAR Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
135.	RP02852	Development of Clean Cookstoves with Self Sustaining Power Generation and Pilot Demonstration	Container Corporation of India Ltd, Delhi India	27.00	02-01-2014	30-06-2015	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
136.	RP02853	Improvement of existing IMPMUD STOVE	TERI India	21.20	27-12-2013	31-03-2015	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
<b>School of Biological Sciences</b>								
137.	RP02783	Characterization of Cell Penetrating Peptides as antimicrobials Against Plant Pathogens	Department of Biotechnology, Ministry of Sc.& Tech India	23.30	05-08-2013	04-08-2016	ARCHANA CHUGH School of Biological Sciences	School of Biological Sciences
138.	RP02813	Supercomputing Facility for Bioinformatics Computational Biology as DBT's Centre for Excellence	Department of Biotechnology, Ministry of Sc.& Tech India	227.99	01-09-2013	31-03-2017	B. JAYARAM Dept. of Chemistry	School of Biological Sciences
139.	RP02820	Investigating the Role of Gelsolin as Common Cellular Player for Modulating Amyloid Load and Neurodegeneration	Department of Biotechnology, Ministry of Sc.& Tech India	19.56	09-10-2013	08-10-2016	BISHWAJIT KUNDU School of Biological Sciences	School of Biological Sciences
140.	RP02848	Role of Nuclear Receptor Corepressor -1 (NCOR1) in Regulating Energy Homeostasis and Inflammatory Responses in Cell Culture Models of Muscle and Pancreatic Beta-Cells	Science and Engineering Research Board,(DST) India	29.43	06-01-2014	05-01-2017	CHINMOY SANKAR DEY School of Biological Sciences	School of Biological Sciences
141.	RP02773	Regulation of Leishmanial Flagellar Motility	Science and Engineering Research Board,(DST) India	55.00	11-07-2013	10-07-2016	CHINMOY SANKAR DEY School of Biological Sciences	School of Biological Sciences

142.	RP02850	Development of PAT Platform for Production of a Therapeutic Protein Angiogenin	Science and Engineering Research Board,(DST) India	54.34	07-01-2014	06-01-2017	JAMES GOMES School of Biological Sciences	School of Biological Sciences
143.	RP02766	Understanding the Molecular mechanism of Host cell Interaction by Hepatitis A Virus	Department of Biotechnology, Ministry of Sc.& Tech India	45.00	23-05-2013	22-05-2016	MANIDIPA BANERJEE School of Biological Sciences	School of Biological Sciences
144.	RP02767	GroEL-GroES Assisted Folding of Multiple Proteins in Vivo and in Vitro	Department of Science & Technology (DST) India	29.00	14-08-2013	13-08-2016	TAPAN KUMAR CHAUDHURI School of Biological Sciences	School of Biological Sciences
145.	RP02777	Identification of Chaperone Binding Region in the Aggregation Prone Protein Maltodextrin Glucosidase, which Undergoes GroEL/GroES Assisted Folding	Council of Scientific & Industrial Research India	18.86	01-04-2013	31-03-2016	TAPAN KUMAR CHAUDHURI School of Biological Sciences	School of Biological Sciences