

New Projects Sanctioned during 2013-2014

SI. No	Dated of Issue of Sanction	Total Cost/ Duration	File No.	Project Title	Name & Address of PI
1	15.04.2013	Rs. 64,11,200/- G- 44,11,200/- C- 20,00,000/- 36 months	DST/TSG/NTS/2012/18	Bio-degradable polymer based Neem Nano-emulsion for control release applications in Aquaculture Industries	Dr. N. Chandra Sekaran, Sr. Professor & Dy. Director, Centre for Nanobitechnology, VIT University, Vellore- 632 014, Tamil Nadu.
2	17.04.2013	Rs.76,81,600/- G- 16,81,600/- C- 60,00,000/- 24 months	DST/TSG/Ceramic/2012/83	Designed biomaterial devices for Limb Salvage Implant for Distal Femur, Proximal Tibia and Proximal Femur	Dr. Bikramjit Basu, Associate Professor, Materials Research Center & Associate Faculty, Bio- Engineering Program, Indian Institute of Science(IISc), Bangalore- 560 012, Karnataka.
3	22.05.2013	Rs. 11,34,000/- G-8,84,000/- C-2,50,000/- 24 months	DST/TSG/NTS/2012/79	Segmentation of Medical Images using Multiobjective Evolutionary Optimization	Dr. K. Karteeka Pavan, Professor, Department of Computer Applications, R.V.R. & J.C. College of Engineering, Chowdavaram, Guntur- 522 019, Andhra Pradesh.
4	27.05.2013	Rs. 87,07,155/- G- 25,80,000/- C- 61,27,155/- 36 months	DST/TSG/ME/2011/140	Development of Sol-Gel derived speciality Pnanar Optical waveguides for sensor applications	Dr. Sunirmal Jana, Senior Scientist, Sol-Gel Division, CSIR-Central Glass & Ceramic Research Institute (CGCRI), 196, Raja S.C.Mullick Road, PO Jadavpur

					University, Kolkata- 700 032, West Bengal.
5	27.05.2013	Rs. 67,32,400/- G- 56,32,400/- C- 11,00,000/- 36 months	DST/TSG/STS/2012/56	Development of Public Transport System planning method for incremental growth of small and medium cities of Eastern & North-Eastern States.S	Dr. Sudip Kumar Roy, Director, School of Ecology, Infrastructure and Human Settlement Management, Department of Civil Engineering , Bengal Engineering and Science University(BESU), Shibpur, Howrah- 711 103, West Bengal.
6	28.05.2013	Rs. 83,63,200/- G- 35,63,200/- C- 48,00,000/- 24 months.	DST/TSG/PT/2012/66	Fabrication of optical gate based on Bacterio-Rhodopson functionalized with single walled carbon nanotubes	Dr. Harsh Chaturvedi, Ramanujan Fellow (DST), Department of Physics, Indian Institute of Science Education and Research (IISER) Pune, 1 st Floor Central Tower, Sai Trinity Building, Garware Circle, Pashan, Pune- 411 021, Maharashtra and Mr. E.Senthil Prasad, Scientist, Institute of Microbial Technology (IMTech), Sector-39, Chandigarh-160 036, Punjab.
7	28.05.2013	Rs. 60,70,600/- G- 18,17,400/- C- 42,53,200/-	DST/TSG/STS/2012/45	Seismic Vulnerability Assessment of Existing Building to supplement rehabilitation	Dr. Subrata Chakraborty FNAE, Professor Department of Civil Engineering, Bengal

		36 months		practices with special emphasis to North Eastern Region	Engineering Science University (BESU), Shibpur, Howrah 711 103 West Bengal
8	29.05.2013	Rs. 28,12,400/- G- 13,12,400/- C- 15,00,000/- 24 months	DST/TSG/PT/2011/198	Electrochemical detection of Endotoxin using complementary pattern recognition receptors	Dr. V Ganesh Scientist CSIR – Central Electrochemical Research Institute (CECRI), Karaikudi 630 006 Tamil Nadu
9	03.06.2013	RS. 29,23,850/- G- 21,81,600/- C- 7,42,250/- 36 months	DST/TSG/PT/2012/21	Rapid on-field detection of citrus Tristeza Virus by Gold Nanoparticle based Dipstick Method	Dr. Robin Chandra Boro Assistant Professor Department of Agricultural Biotechnology Assam Agricultural University Jorhat 785 013 Assam
10	07.06.2013	Rs. 59,14,309/- G- 45,30,000/- C- 13,84,309/-	DST/TSG/NTS/2012/46	Direct extrusion compression moulding of long natural fibre reinforced thermoplastic composites and characterizations	Dr. Shanthakumar G C Professor & Head Department of Mechanical Engineering T. John Institute of Technology No 86/1 Kammanhalli, Banneragatta Road, Bangalore 560 083, Karnataka
11	10.06.2013	Rs. 39,97,198/- G- 21,10,000/- C- 18,87,198/- 36 months	DST/TSG/STS/2012/63	Determining suitability of Assam Aggregates of different sources as Ingredient for Microsurfacing	Dr. Teiborlang Lyngdoh Rynthathiang Assistant Professor Department of Civil Engineering Indian Institute of Technology (IIT) Guwahati 781 039 Assam
12	28.06.2013	Rs. 59,03,100/- G- 10,46,000/-	DST/TSG/STS/2012/71	Study on Lowering of Mixing and	Dr. Rajan Choudhary Assistant Professor

		C- 48,57,100/- 36 months		Compaction Temperatures of Bituminous Mixes through Warm Mix Asphalt (WMA)	Department of Civil Engineering Indian Institute of Technology (IIT) Guwahati 781 039 Assam
13	28.06.2013	Rs. 42,63,704/- G- 27,62,400/- C- 15,01,304/- 36 months	DST/TSG/PT/2012/129	Infrared spectroscopic study for tumor diagnosis Phase II	Dr. Ranjana Mehrotra, Chief Scientist, Quantum Optics and Photon Physics and Optical Radiation Standards, National Physical Laboratory, New Delhi -110 012.
14	28.06.2013	Rs. 37,84,015/- G- 24,60,000/- C- 13,24,015/- 36 months	DST/TSG/NTS/2012/32	Technology for enhancing oil recovery and production of dibble grade de-oiled meal from sunflower and groundnut and their diversified uses.	Dr. R. K.Gupta Head Food Grains & Oilseeds Processing Division Central Institute of Post Harvest Engineering & technology (CIPHET) P.O. PAU, Ludhiana-141 004 Punjab
15	04.07.2013	Rs. 38,72,500/- G- 23,20,000/- C- 15,52,500/- 36 months	DST/TSG/STS/2012/65	Evaluation and Enhancement of Seismic capacity of typical Assam-type Housing	Dr. Hemant B Kaushik Assistant Professor Department of Civil Engineering Indian Institute of Technology (IIT) Guwahati 781 039 Assam
16	04.07.2013	Rs. 2,44,46,000/- G- 92,62,000/- C- 1,51,84,000/- 36 months	DST/TSG/Ceramic/2012/89	Development and pilot scale production of microwave ceramic substrates and	Dr. M T Sebastain National Institute for Interdisciplinary Sciences and Technology

				LTTC green tapes suitable for microwave circuits	CSIR-NIIST Industrial Estate Trivendrum -695 019 Kerala
17	12.07.2013	Rs. 19,71,600/- 24 months	DST/TSG/NTS/2012/40	Harnessing Herbal Potential of Pisonia grandis in Development of Medical Textiles	Dr. Shubashini K Sripathi Associate Professor Department of Chemistry Avinashilingam Institute for Home Science & Higher Education for Women 1117, Mattupalayam Road, Coimbatore 641 043 Tamilnadu
18	17.07.2013	Rs. 50,70,400/- G- 45,50,400/- C- 5,20,000/- 24 months	DST/TSG/NTS/2012/67	Treatability Studies for Textile Wastewater Treatment – I	Dr. P.N. Palanisamy Professor & Head Department of Chemical Engineering Kongu Engineering College Perundurai- 638 052 Tamil Nadu
19	18.07.2013	Rs. 54,76,400/- G- 22,76,400/- C- 32,00,000/- 24 months	DST/TSG/NTS/2012/112	Development of an Acoustic online weld quality monitoring system	Dr. N. S. Vyas Professor D/o Mechanical Engineering, Indian Institute of Technology (IIT) Kanpur 208 016 Uttar Pradesh
20	24.07.2013	Rs. 34,88,150/- G- 19,10,000/- C- 15,78,150/- 36 months	DST/TSG/NTS/2012/52	Identification of suitable diagnostic and therapeutic(s) against Antisperm Antibodies to combat repeat breeding problem in cattle	Dr. S. K . Srivastava Principle Scientist Animal Reproduction Division I.V.R.I. Izatnagar 243 122 Bareilly Uttar Pradesh
21	01.08.2013	Rs. 40,92,400/- G- 34,42,400/- C- 6,50,000/- 36 months	DST/TSG/STS/2012/86	Development of a decision support system for planning of capital intensive transportation links (bridges and tunnels) in	Dr. Subrata Kumar Paul Assistant Professor Department of Architecture School of Ecology Bengal Engineering and Science

				the North-East region based on utility and network robustness criteria.	University, Shibpur, Howrah 711 103 West Bengal
22	25.07.2013	Rs. 21,39,200/- G- 15,39,200/- C- 6,00,000/- 24 months	DST/TSG/PT/2012/26	Self Assembled Nano Tips for Field Emission Displays	Dr. Sanjiv Sambandan Assistant Professor Department of Instrumentation and Applied physics, Indian Institute of Science, Bangalore-560 012 Karnataka
23	02.08.2013	Rs. 25,92,555/- G- 11,87,400/- C- 14,05,155/- 24 months	DST/TSG/PT/2011/194	Highly efficient phosphorescent iridium (III) and Zn (II) mixed ligand complexes for OLEDs: Fabrication and its application	Dr. Kirankumar R Surati Assistant Professor Department of Chemistry Sardar Patel University Vallabh Vidyanagar – 388 120 Anand, Gujarat
24	12.08.2013	Rs. 26,61,400/- G- 24,61,400/- C- 2,00,000/- 36 months	DST/TSG/NTS/2012/106	Design and Development of ortho mode transducer and dielectric horn antenna for X-band frequency	Dr. V N Tiwari Associate Professor Department of E&C Manipal University Jaipur 302 026 Rajasthan
25	12.08.2013	Rs. 55,08,422/- G- 25,59,600/- C- 29,48,822/- 30 months	DST/TSG/NTS/2012/94	Floral preservation by freeze drying technology – standardization of treatments and process for value addition and enterprise management	Dr. Mahalakshmi V Reddy Professor and Head, Department of Resource Management and Consumer Science (ANGRAU), Saifabad Hyderabad – 500 004 Andhra Pradesh
26	14.08.2013	Rs. 39,55,400/- G- 31,05,400/- C- 8,50,000/-	DST/TSG/STS/2012/73	Performance Evaluation of River Brahmpautra Bed Materials for	Shri Sanjay Deori Senior Scientist Applied Civil Engineering Division

		36 months		use in construction of road Embankment subgrade & subbas	CSIR – North East Institute of Science and Technology Jorhat 785 006 Assam And Dr. Ambarish Ghosh, Professor, Department of Civil Engg., and Director, School of Disaster Engineering, Bengal Engineering and Science University (BESU), Sibpur-711 103, West Bengal.
27	26.08.2013	Rs. 1,44,11,900/- G- 1,33,44,600/- C- 10,67,300/- 36 months	DST/TSG/ICT/2011/05	Proposal for a Low-Cost wild Animal Protection System through Animal Presence and Movement Detection using wireless sensor network	Prof. Subrat Kar, Professor, Department of Electrical Engineering, Indian Institute of Technology, Delhi (IIT-D), Hauz Khas, New Delhi-110 016.
28	26.08.2013	Rs. 69,16,000/- G- 35,95,100/- C- 33,20,900/- 24 months	DST/TSG/PT/2012/128	Development of a cost-effective membrane and DNA chip based detection of mutations associated with multiple drug resistant-tuberculosis	Dr. K. Naga Mohan Assistant Professor, Department of Biological Sciences BITS-Pilani, A-105, Hyderabad Campus, Jawaharnagar, Shampie Mandal, Ranga Reddy District, Hyderabad – 500 078 Andhra Pradesh
29	03.09.2013	Rs. 27,38,164/- G- 13,90,000/- C- 13,48,164/-	DST/TSG/STS/2012/61	Evaluation of the Urban road network in terms of the traffic and roadway conditions : A case study of Guwahati	Dr. Mallikarjuna C Assistant professor Department of Civil Engineering Indian Institute of Technology (IIT) Guwahati 781 039

		36 months			Assam
30	02.09.2013	Rs. 21,61,544/- G- 14,61,544/- C- 7,00,000/- 24 months	DST/TSG/ME/2012/110	Develop and Fabricate non dispersive IR (NDIR) based Co2 gas sensor for industrial and medical care	Dr. Mukesh Chander Bhatnagar, Associate Professor, Department of Physics, Indian Institute of Technology (IIT), Hauz Khas, New Delhi – 110 016.
31	09.09.2013	Rs. 17,26,014/- G- 13,24,180/- C- 04,01,834/- 36 months	DST/TSG/STS/2012/24	Stabilized Compressed Earth Block Using Rice Husk Ash and Their Applications to load bearing walls	Dr. Maganti Janardhana, Associate Professor, Department of Civil Engineering JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad -500 085 Andhra Pradesh
32	06.09.2013	Rs. 24,85,895/- G- 12,85,120/- C- 12,00,775/- 24 months	DST/TSG/Ceramic/2011/133	Development of vitrified grinding wheels with low temperature ceramic bond	Dr. D. Thenmuhil, Assistant Professor, Department of Ceramic Technology, Anna University, Chennai 600 025, Tamilnadu
33	13.09.2013	Rs. 4,83,92,655/- G- 098,77,200/- C- 3,85,15,455/- 36 months	DST/TSG/NTS/2011/09	Development of Ankle-foot Orthosis (AFO) for pressure offloading using advanced technologies	Dr. Bhabendra Nath Das Scientist F Shoe Design and Development Center (SDDC), Central Leather Research Centre (CLRI), Adyar, Chennai – 600 020 Tamilnadu
34	20.09.2013	Rs. 29,54,400/- G- 19,55,000/- C- 9,99,400/- 36 months	DST/TSG/ICT/2011/109	Developing 3G/WLAN inter-working network with seamless mobility support between the two systems	Dr. Sibaram Khara, Professor, Department of Electronics and Communication Engineering, Galgotias University, Plot No.2, Sector-17A, Yamuna Expressway, Distt. Gautam Budh Nagar- 201 308, Greater Noida, Uttar Pradesh

35	06.01.2014	Rs. 27,50,000/- DST Rs. 18,25,000/- G - Rs.9,00,000/- C- Rs. 9,25,000/- BITS Pilani C – Rs. 9,25,000/- 36 months	DST/TSG/NTS/2012/19	Experimental Investigation on CO2 based refrigeration system in Trans-Critical Cycle	Dr. M.S. Dasgupta Professor Mechanical Engineering Department, Birla Institute of Technology and Science (BITS), Pilani 333 031, Rajasthan
36	22.01.2014	Total Rs. 23,14,614/- G – Rs.21,56,000/- C – Rs. 1,58,614/- 36 months	DST/TSG/STS/2012/55	Seismic design criteria for RC structures considering Mainshock Aftershock sequence for Northeastern India	Dr. Sandip Das Assistant Professor Department of Civil Engineering, Indian Institute of Technology (IIT), Guwahati 781 039 Assam
37	27.01.2014	Total Rs. 9,03,620/- G- TNAU : Rs. 2,78,220/- MCRC Rs. 6,25,400/- 6 months	DST/TSG/NTS/2012/30	Validation of Alternative Analytical Technology (AAT) for testing soil nutrients	Dr. P. Malarvizji, Professor (SS&AC) Tamilnadu Agriculture University (TNAU), Coimbatore 641 001 & Dr. K. Perumal Deputy Director (R&D) Shri AMM Murugappa Chettiar Research Centre (MCRC), Chennai 600 001 Tamilnadu
38	17.02.2014	Total Rs. 20,30,644 Sharada Uni: Rs. 14,01,099/- KIIT Univ: Rs. 6,29,545/- G- Rs. 8,12,876/- C- Rs. 12,17,768/- 24 months	DST/TSG/PT/2012/51	Development of a large area dye sensitized solar cells (DSSC) using modified polymer electrolytes	Dr. Bhaskar Bhattacharya Professor School of Engineering and Technology, Sharada University, Plot No 32, 34, Knowledge Park III, Greater Noida 201 306 Uttar Pradesh

39	12.03.2014	Total Rs. 76,80,837/- G – Rs. 26,67,500/- C – Rs. 50,13,337/- 36 months	DST/TSG/NTS/2012/38	Design and Development of bulk lithography system for novel 3D Microfabrication	Dr. Prasanna S Gandhi Associate Professor Department of Mechanical Engineering Indian Institute of Technology (IIT), Mumbai 400 076 Maharashtra
40	27.03.2014	Total Rs. 52,90,000/- DST Rs. 21,90,000/- SRM Rs. 31,00,000/- G- Rs. 17,90,000/- C – Rs. 35,00,000/- 36 months	DST/TSG/STS/2012/20	Development of High Temperature Resistant Geopolymeric Composites	Er. N P Rajamane Head, Centre for Advanced Concrete Research SRM University Kattankulthur 603 203 Tamilnadu
41	29.03.2014	Total Rs. 18,37,182/- G- Rs.9,52,500/- C- Rs. 8,84,682/- 24 months	DST/TSG/NTS/2013/45	Carbon dioxide sequestration and dye industrial alkaline effluent remediation using fly ash	Dr. N Krishnaveni Associate Professor & Head Department of Chemistry Velalar College of Engineering & Technology Erode 638 012 Tamilnadu