2011-2012

S.No	File No	Title	PI Name & Institution Address	Duration Months	Total Cost (Rs.)
1.	DST/TM/SERI/2K10/25	Inkjet printing of inorganic thin films for Solar Photovoltaics	Dr. T.K Chaudhuri, Professor and Head, Dr. K.C. Patel Research and Development Centre Charotar University of Science and Technology, CHARUSAT, Changa, Anand District – 388421, Gujarat	36	72,48,000
2.	DST/TM/SERI/2K10/58	Solar Energy based multifunctional device with integrated holographic, photovoltaic and photo-electro-chemical components to produce electricity and clean environment	Prof. S Basu, Professor, Department of Chemical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi– 110016	36	3,92,24,000
3.	DST/TM/SERI/2k11/75	Development of large area, high efficiency (19%) Passivated Interface Heterojunction (PIHJ) solar cells	Prof. Viresh Dutta Professor, Centre for Energy Studies, Indian Institute of Technology Delhi (IIT Delhi), Hauz Khas, New Delhi- 110016	30	19,73,000

4.	DST/TM/SERI/2k10/ 49	1 MW re-synchronizable autonomous grid: DC-DC conversion for Solar PV including MPPT and battery charge controller	Prof. Santanu Mishra, Department of Electrical Engineering, Indian Institute of Technology, Kanpur – 208016 & Dr. S. Chattopadhyay, IIT, Kharagpur, West Bengal	24	1,03,10,000
5.	DST/TM/SERI/2k10/ 53	Development of Thermal Energy Storage System for Solar Thermal Power Plant	Dr. P. Muthukumar, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati –781039, Assam	18	1,12,63,200
6.	DST/TM/SERI/2K11/ 83	High throughput a-Si:H/nc-Si:H based Tandem solar cells on low cost flexible substrates	Dr. Rajiv O. Dusane, Department of Metallurgical Engineering & Materials Science, Indian Institute of Technology Bombay, Powai, Mumbai - 400076	24	42,07,600
7.	DST/TM/SERI/2k11/ 81	Si/Ge Nanostructure Sensitized & Hybrid Solar Cells	Prof. Samit K. Ray, Department of Physics & Meteorology, Indian Institute of Technology Kharagpur, Kharagpur– 721302, West Bengal	24	47,45,600
8.	DST/TM/SERI/2K11/ 98	Improved efficiency c-si cells (fabrication and characterization with industry collaboration)	Dr. C.S.Solanki, Asst. Professor, IIT Bombay, Powai, Mumbai-76	24	47,60,000

9.	DST/TM/SERI/2K11/77	Analysis of Hybrid storage based solar PV systems	Prof. Prakash chandra Ghosh, Assistant Professor, Indian Institute of Technology Bombay, Department of Energy Science and Engineering, IIT Bombay, Powai, Mumbai-400076	24	26,70,000
10.	DST/TM/SERI/2K11/78	Development of amorphous silicon crystalline silicon Heterojunction solar cells with efficiency 17-20%	Dr. Pratima Agarwal, Associate Professor, Indian Institute of Technology, Department of Physics , IIT Guwahati, North Guwahati-781039 (Assam)	24	30,00,000
11.	DST/TM/SERI/2K11/79	Photo electrochemical water splitting using photo electrodes having non-native nanostructures and selective surface terminations	Prof. Raj Ganesh S. Pala, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur-208016,	24	30,00,000
12.	DST/TM/SERI/2K11/96	Solar Cooling and production of potable water with two stage silica gel-water adsorption system	Prof. Pradip Dutta , Professor, Mechanical Engineering , Indian Institute of Science Banglore-560012	36	2,24,41,300
13.	DST/TM/SERI/2K11/47	A 1MW Re-synchronizable Autonomous Grid: Active Power Filters	Dr. Mahesh Kumar, Professor, Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai - 600036	24	77,27,000
14.	DST/TM/SERI/2K11/60	Development of CdS/CdTe thin film solar cells by	Dr. Anup Mondal, Professor and Head, Department of	36	2,38,14,200

		electrochemical technique using indigenously produced starting materials	Chemistry, Bengal Engineering and Science University, Shibpur, Howrah, West Bengal & Dr. N. R. Muniratnam, C-MET, Hyderabad.		
15.	DST/TM/SERI/2K11/63	Development of nano material and optically enabled, front surface and back contact tailored, enhanced efficiency amorphous silicon solar cells	Prof. B.S. Satyanarayana, Professor in E&C Dept and Principal, R.V. College of Engineering, R.V. Vidyaniketan PO, Mysore Road, Bangalore - 560059	36	4,88,67,400
16.	DST/TM/SERI/2K11/42	Process Development of Cu(In,Ga)Se2 thin film solar cell on flexible substrate using co-evaporation technique	Dr. Udai P. Singh, Professor, School of Electronics Engineering, KIIT University, Campus – 3 Patia, Bhubaneswar – 751024	36	1,38,95,000
17.	DST/TM/SERI/2K11/68	Design and Development of Solar Dryer with phase Change Material Thermal Storage for Herbal and Spices Crop Drying	Dr. Dilip Jain, Senior Scientist, Central Institute of Post-Harvest, Engineering and Technology, P. O. PAU Campus, Ludhiana - 141004	24	26,37,840
18.	DST/TM/SERI/2K11/87	Assessment of Silicon Wire Array Radial Junction Solar Cells by Simulations and Experiments	Dr. Anil Kottantharayil, Associate Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay,	24	27,19,000

			Powai, Mumbai - 400076		
19.	DST/TM/SERI/2K11/ 93	DSSC modules with improved reliability through development of titania pastes with reproducible characteristics, metallization and sealing methodologies	Prof. Parag Bhargava, Professor, Metallurgical Engineering and Materials Science, IIT Bombay, Powai, Mumbai - 400076	36	73,93,900
20.	DST/TM/SERI/2K11/ 84	Lock-in-thermography for Solar cell and Module Characterization	Prof. P.K.Panigrahi, Professor,Center of Laser Technology, IIT Kanpur, Kanpur-208016 U.P.	24	24,40,600
21.	DST/TM/SERI/2K11/ 97	Design and development of stand alone Solar-PV Energy generating system up to 5KW	Prof. A.L.Vyas, Instrument Design Development Centre, Indian Institute of Technology Delhi, New Delhi – 110016	24	45,98,000
22.	DST/TM/SERI/2K11/ 82	Dye Sensitized Hybrid Solar Cells with Up-conversion Nanostructures for Enhanced Efficiency	Dr. Ashutosh Sharma, Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur, 208016-India	24	26,10,000
23.	DST/TM/SERI/2K11/ 99	Development of Micro- inverter based Modular Solar Energy Generator for line Power	Dr. Susmit Sen,, Senior Research Engineer, Center for Mechatronics, IIT Kanpur, Kanpur – 208016	24	33,00,000

24.	DST/TM/SERI/2K11/61	Development of Multilayer coatings for enhanced solar thermal absorption at high temperature	Prof. M.S Krupashankara, Professor, Department of Mechanical Engineering, R.V. College of Engineering, R.V. Vidyaniketan PO, Mysore Road, Bangalore – 560059	36	4,81,80,000
25.	DST/TM/SERI/2K11/70	Tuning the morphology of a porous carbon electrode for use with hydrogel electrolyte in electric double layer capacitor	Dr. Somenath Ganguly, Assistant Professor, Dept of Chemical Engg, IIT Kharagpur, Kharagpur-721302	24	16,80,000
26.	DST/TM/SERI/2K11/89	Solar Plastic Tubular Air Heater	Dr. Milind V Rane, Professor, Dept of Mechanical Engineering, Indian Institute of Technology Bombay, Powai – Mumbai - 400076	24	39,21,600
27.	DST/TM/SERI/2K11/94	Analysis, Design and Control of Power Electronic converters for Grid interface solar Power Generation	Prof. Bhim Singh, Professor, Indian Institute of Technology Delhi, New Delhi – 110016	48	83,18,400
28.	DST/TM/SERI/2K11/73	Incorporation of Plasmonics Structures to Improve Organic Photovoltaics	Prof. Manoj A G Namboothiry, Assistant Professor, School of Physics, Indian Institute of Science Education and Research Thiruvananthapuram, College of Engineering Campus, Computer Science	36	1,83,73,600

			and Engineering Building, Sreekariam, Thiruvananthapuram – 695016, Kerala		
29.	DST/TM/SERI/2K11/108	Indo-US Joint Clean Energy Research and Development Centre	Dr. Rajiv Sharma, Executive Director, Indo-Us Science and Technology Forum, Fulbright House, 12-Hailey Road, New Delhi-110001	12	18,75,00,000
30.	DST/TM/SERI/2K11/100	Iron Disilicide Hetrojunction solar cells	Dr. C.K. Maiti, Professor, Department of Electronic & ECE, Indian Institute of Technology, Kharagpur-721302, West Bengal,	24	15,36,000