

List of sanctioned projects (2010-2011)
SOLAR ENERGY RESEARCH INITIATIVE PROGRAMME

S. No	File No	Title	PI Name & Institution Address	Duration Months	Total Cost (Rs.)
1	DST/TM/SERI/2k9/05	Design, Fabrication, Testing and Installation of Solar Multi-Effect Distillation System for providing potable water in arid rural areas	Dr. Raju Abraham, Scientist 'E', National Institute of Ocean Technology (NIOT) Campus, Velachery- Tambaram Main Road, Pallikarani – 600 100, Chennai Dr. S.P Viswanathan, President, KG Design Services Pvt. Ltd, 366, Thudiyalur Road, KG Campus Saravanampatti, Coimbatore- 641 035, Tamil Nadu	24	68768000
2	DST/TM/ SERI/2k10/17	Solar Photovoltaic hub at BESU	Prof. Hiranmay Saha, Centre of Excellence for Green Energy and Sensor Systems, Bengal Engineering and Science University, Shibpur, Howrah - 711 103 West Bengal	60	94238000
3	DST/TM/ SERI/2K10/21	Development of Third-Generation High Efficiency Solar Cells	Dr. V.K Jain, Director, Amity Institute of Renewable and Alternative Energy (AIRAE), Amity University, Sector – 125, Noida – 201303, (Uttar Pradesh)	36	14805800
4	DST/TM/ SERI/2K10/24	Development of amorphous silicon solar cells with embedded silicon quantum dots for enhancement of efficiency	Prof. Partha Chaudhuri, Senior Professor, Department of Energy Research Unit, Indian Association for the Cultivation of Science, 2 A & 2 B Raja S.C. Mullick Road, Jadavpur, Calcutta –	36	6267800

			700032, West Bengal		
5	DST/TM/ SERI/2K10/22	Fabrication of Nano Structured Surfaces by Soft Lithographic and Non Lithographic Techniques	Prof. Rabibrata Mukherjee, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Kharagpur, Kharagpur, 721 302, West Bengal	36	8039200
6	DST/TM/SERI/2k10/18	Plasmonics for improved photovoltaic devices: Realization and Characterization of n-ZnO/ nAg-ZnO/ n-Si (100) Solar Cells	Prof. A. K. Pal, Department of Instrumentation Science, USIC Building, Jadavpur University, Calcutta-700 032,	36	6292800
7	DST/TM/ SERI/2K10/23	Development of DLN-PS double layer antireflection coating for large area crystalline silicon solar cells	Prof. Utpal Gangopadhyay, Professor, Meghnad Saha Institute of Technology, Nazirabad, P.O. East Kolkata Township, Kolkata – 700107, West Bengal	36	7376000
8	DST/TM/SERI/2k10/44	Development of large area, high efficiency (19%) Passivated Interface Heterojunction (PIHJ) solar cells	Dr. Son Pal Singh, Sr. Deputy General Manager, BHEL-ASSCP, C/o BHEL House, Siri Fort, New Delhi- 110049	30	175100000
9	DST/TM/SERI/2k10/45	Development of large area, high efficiency (> 18 %), silicon solar cells using selective emitter technology	Dr. B. Prasad, Sr. Deputy General Manager, BHEL –ASSCP, C/o BHEL House, Siri Fort, New Delhi - 110049	30	56362000
10	DST/TM/SERI/2K10/48	IMW Re-synchronizable autonomous grid: DC-AC Conversion & grid side Paralleling	Dr. Parthasarathi Sensarma, Associate Professor, ACES 103, Department of Electrical Engineering. IIT Kanpur, Kanpur – 208010 (U.P) Dr. Souvik Chattopadhyay, Asst. Professor,	24	14667000

			Department of Electrical Engineering, IIT Kharagpur, Kharagpur, 721302, West Bengal,		
11	DST/TM/SERI/2K10/62	Baseline efficiency enhancement of (1 to 2%) of a-Si:H/c-Si heterojunction solar cells by enhanced absorption process due to Surface Plasmons of metallic nanostructures	Dr. K. Vamsi Krishna, Asst. Professor, Centre of Energy studies, IIT Delhi , New Delhi -110016	36	5635400
12	DST/TM/ SERI/2K10/43	Enhancement of Functional Property of N3-based Dye-Sensitized Solar Cell by use of Conducting Polymers and Surface Plasmon Resonance of Metal Nano-particles	Prof. Jayati Dutta, Department of Chemistry Bengal Engineering and Science University, Shibpur, P.O Botanic Garden, Howarah-711103, West Bengal	36	5176800