

ON GOING R&D PROJECTS IN SOLAR PHOTOVOLTAIC

Sl. No.	Name of the Project	Name of the PI and Institution	Date of Sanction	Date of completion	Sanction & MNRE contribution (Lakh)
1.	Development of CZTS solar cells and modules - non vacuum process? 31/03/2011-12/PVSE	Dr. Abhijit Ray, Pandit Deendayal Petroleum University, Gandhinagar	14/02/2013	14/02/2016	Total cost: 193.56 MNRE Share: 193.56 Releases: 80.00 (14/02/2013)
2.	Development of stable and low cost thin film solar cells using automated spray technique 31/09/2009-10/ PVSE	Dr. K.P. Vijaykumar, Cochin University of Science & Technology, Cochin	22/06/2011	22/06/2014	Total cost: 223.86 MNRE Share: 223.86 Releases: 50.00 (22/06/2011) 133.00 (29/03/2012)
3.	Development and Characterization of a Hybrid Structure: Salmon DNA- Conducting Polymer(P3HT)- Quantum Dot (CdSe)- Carbon Nanotube (SWNT) Suitable for a Bio Solar Cell with High Efficiency due to Impact Ionization and Improved Stability: 31/11/2010-11/ PVSE	Prof. P.K. Bhatnagar University of Delhi New Delhi	23/02/2011	23/02/2014 Extension upto August, 2014	Total cost: 90.06 MNRE Share: 90.06 Releases: 39.00 (23/02/2011) 35.00 (30/03/2012)
4.	National Centre for Photovoltaic Research and Education (NCPRE) 31/17/2009-10/ PVSE	Prof. J. Vasi, Prof. Chetan S. Solanki (Co-PI) Indian Institute of Technology Bombay	29/09/2010	29/09/2015	Total cost: 4750.00 MNRE Share: 4750.00 Releases: 1300.0 (29/09/2010) 600.00 (24/07/2012) 800.00 (21/11/2012) 962.00 (27/08/2014)
5.	Design and Development of Organic Solar Cell Sub-Modules. 31/18/2009-10/ PVSE	Dr S. Sundar Kumar Iyer, IIT Kanpur	17/03/2011	17/03/2015 (Extension given)	Total cost: 1805.52 MNRE Share: 663.52 Releases: 324.00 (17/03/2011) 300.00 (24/09/2014)
6.	Long term Performance Evaluation of three Grid Connected solar PV Power Plants of 3 MWp each setup 31/25/2010-11/ PVSE	Shri B. R. Nagaraj, Chief Engineer, Karnataka Power Corporation Ltd. (KPCL), Bangalore	28/02/2011	28/02/2014	Total cost: 228.40 MNRE Share: 228.40 Releases: 100.00 (28/02/2011)
7.	R&D on thin film solar cell 31/29/2010-11/ PVSE	Dr. Sushil Kumar, Scientist, NPL-CSIR, New Delhi	15/06/2011	14/06/2015	Total cost: 4906.60 MNRE Share: 4906.6 Releases: 1000.0 (15/06/2011)
8.	Dye Sensitized Solar Cell (DSSC)/Quantum dot Dye Sensitized Solar Cell 31/30/2010-11/ PVSE	Dr. L. Giribabu, Scientist, CSIR-IICT, Hyderabad	22/12/2011	22/12/2015	Total cost: 4232.28 MNRE Share: 4232.28 Releases: 600.00 (30/03/2012) 700.00(28/07/2014)
9.	Exploitation of Unique Properties of Quantum Dots for Efficient Energy Harvesting in Solar Cells 31/35/2010-11/ PVSE	Dr. R Geetha Balakrishna, Center for Emerging Technologies, Jain University, Bangalore	25/05/2011	25/05/2014	Total cost: 37.16 MNRE Share: 29.16 Releases: 12.60 (21/07/2011) 6.50 (04/06/2014)
10.	Advanced research on thin silicon solar cells and photovoltaic systems 31/40/2010-11/ PVSE	Prof. H Saha Bengal Engineering & Science University, West Bengal sahahiran@gmail.com	27/05/2011	27/05/2014	Total cost: 1476.10 MNRE Share: 1476.10 Releases: 700.00 (27/05/2011) 500.00 (17/11/2014)
11.	Development of novel, efficient and cost effective power electronics based single phase system to convert Solar Energy from solar PV to Electric Energy. 31/11/2012-13/PVSE	Dr. Atheshamul Haque, Jamia Milia Islamia university, New Delhi	20/03/2014	19/03/2017	Total Cost: Rs. 106.31 Release 50.00 (20/03/2014)
12.	Experimental grid tied solar PV power generation on a water body. 31/34/2011-12/PVSE	Dr. S.P. Gon Chaudhuri Ar-IGNOU Community College Kolkata	28/02/2014	27/02/2016	Project cost = Rs. 33.56 MNRE Share=Rs. 30.21 Release 15.00 (16/01/2015)
13.	Design and development of an efficient soft-switching converter with adaptive maximum power point tracking (MPPT) controller for a standalone photovoltaic power generation system 31/19/2011-12/PVSE	Dr. Rajneesh Kumar, Associate Professor Birla Institution of Technology and Science Pilani, Rajasthan	23/07/2014	22/07/2016	Project cost = Rs. 29.39

14.	Design, development and field evaluation of smart control system for domestic roof top PV applications with metering. F:No:-31/19/2013-14/PVSE	Mr. Nikhil S. Gujar Electrical Research and Development Association, ERDA, Gujarat	30/10/2014	29/10/2016	Project Cost = Rs. 80.68 MNRE Share:38.68 Release 12.00 (30/10/2014)
15.	Design and Development of a cost-effective and highly efficient Solar-Powered Electric Vehicle (SEV) prototype F:No:-31/04/2013-14/PVSE	Dr.Ranjana Jha Netaji Subhas Institute of Technology Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi- 110078	13/11/2014	12/11/2015	Project cost = Rs.24.79 MNRE Share = Rs.16.75 Duration =1 Year Release 10.00 Lakh (13/11/2014)
16.	Development of improved DS process for mc-Si wafers and their application to Solar Cells	Prof. P. Ramasamy, SSN College of Engineering, Kalavakkam, Tamilnadu	15/01/2015	14/01/2019	Project cost = Rs.468.42 MNRE Share = Rs.468.42 Duration =4 Year Release 50.00 (15/1/2015)