

**DETAILS OF COMPLETED RSoP PROJECTS DURING THE
11TH FIVE YEAR PLAN (2007-2012)**

Sl. No.	Project Name	Sanctioned Amount	Start	End	Beneficiary Agency / Orgn.	R&D Leader / Project Coordinator
1	Development of an expert system for Coupled fields (structural and thermal) analysis and design optimization of high speed steam turbine rotor shrink fit assemblies	7.58	Jan 2007	Dec 2010	BIT, Bangalore	Dr. B. Gurudatt Prof., Dept. of Mechanical Engg., BIT
2	Study on Online Condition Monitoring of Transformer Bushings	10.00	Jan 2007	Mar 2010	TANGEDCO	Er. K. Gopinathan Dept. of EEE
3	Study on Furanic Compounds in Transformer Oil	27.00	Jan 2007	Jan 2011	TANGEDCO	Er. M. Xavier Prince, Dept. of EEE
4	Study on cause of failure of S/S batteries and evolving condition monitoring technique	6.00	Jan 2007	Jan 2007	TANGEDCO	Er. M. Xavier Prince Dept. of EEE
5	To determine the effective life of ground mat by using "ANTIDOTE" Technique/ Inhibitors etc.	10.95	Dec 2006	2010	PSEB	Er. Charanjit Singh
6	Study on performance of reclaimed oil in distribution transformer oil and reclaimed oil in power transformer.	3.00	Dec 2005	Mar 2011	TANGEDCO	Er. M. Xavier Prince Dept. of EEE
7	Feasibility study on "Midget Transformers" in 11 kV/433 V Network – I PHASE	2.50	May 2009	2010	TANGEDCO	Er. M. Xavier Prince Dept. of EEE
8	Development of appropriate algorithms for efficient management of Energy Control Centers	9.50	May 2010	April 2012	Dayananda Sagar College of Engg., Bangalore	Prof. R.V. Parimala
9	Performance evaluation of a new device for electricity production	0.85	2009	2010	IIT-Delhi	Dr. S.V. Modak Dept. of Mechanical Engg.

10	Performance Analysis and Trading of Wind Power Generation in Emerging Power system	21.60	May 2010	Jan 2013	IIT, Kanpur	Prof. S.N. Singh
11	Stabilization of AC/DC Network with unified power Flow Controller	19.53	May 2010	Mar 2013	Banaras Hindu University-IT, Varanasi	Prof. R.K. Pandey Dept. of EEE
12	Analysis of Sub synchronous Resonance and Design of controllers for Ramagundam – Kadapa TCSC	12.50	May 2010	Jan 2012	SRSCM. Chennai	Dr. K. Siddappa Naidu
13	Evaluation of efficacy and long term performance of locally available clays of Kerala as an encasement In earthing systems in high soil resistivity areas	20.00	May 2010	Mar 2012	KSEB	Shri. C.S. Renjith
14	Design and development of a FPGA based Adaptive Distance Relay for Flexible AC- Transmission Systems	20.00	April 2010	July 2012	Institute of Tech Edu& Res.SOA Univ, Bhubaneswar	Prof. P.K. Dash
15	Wide area measurement and control for improving observe ability and stability of power systems	25.00	May 2010	June 2012	IIT, Kanpur	Prof. S.C. Srivastava
16	Condition monitoring of Generators in Power Stations using On-line Partial Discharge measurements and Off-line Tan Delta measurements.	38.00	May 2010	April 2013	TANGEDCO	Er. Brindha Shankar, B.E, Chief Engineer,
17	Life enhancement of under water parts of hydro power station due to silt erosion	36.40	Jan 2007	Mar 2012	SJVNL, Shimla	Shri. S.P. Pathak
18	Optimal placement of Sectionalizing switches and distributed generation resources for Improving service Reliability in power distribution system	32.10	April 2010	May 2013	IIT, Roorkee	Dr. Vinay Pant, Assistant Professor, Dept of Elect Engg. Dr. Biswarup Das, Associate Professor, Dept of Elect Engg

19	Corrosion mapping of structural steel & concrete structures/equipment of thermal power stations located away from coastal areas.	25.00	May 2011	Mar 2013	ERDA	Dr. G.S Grewal, Deputy Director & Head, Material Tech Division
20	Investigation on the operation and control of multiple distributed generation sources in micro grid (Phase _I and Phase II)	25.00	May 2011	April 2013	NITK Suratkal, Mangalore	Dr. D.N. Gaonkar, Asst Prof, Dept of Electrical & Electronic Engg
21	Documentation of Results and benefits Research carried out under MOP sponsored RSOP since inception from 1961 onwards undertaken by CBIP	5.00	Feb 2012	Jan 2013	CBIP, New Delhi	Dr. V.K. Kanjlia, Secretary
22	Creation of Data Bank of power sector Specialists in the country and Prepare new software package for easy access and search	6.00	Feb 2012	March 2014	CBIP, New Delhi	Dr. V.K. Kanjlia, Secretary
23	Development of remote energy metering system towards the estimation of zonal energy consumption with AMR	23.30	May 2011	Sep 2013	Department of Applied Physics University of Calcutta	Dr. Jitendranath Bera, , Dept of Applied Physics, Elect Engg Dr. Sumana Chowdhury, Dept of Applied Physics, Elect Engg
24	Pollution Assessment in selected sites of GETCO Grid	15.80	May 2011	Oct 2013	ERDA	Dr. P.A. Krishna Moorthy, Deputy Director & Head, Business Development
25	Application of intelligent control to hybrid wind diesel-solar power system	25.00	May 2011	March 2014	NIT, Hazratbal, Srinagar	Dr. Mairaj-ud-Din Mufti, Dean R&D. Dr. Shameem Ahmad Lone, Asst Prof. Dept of Elect Engg

