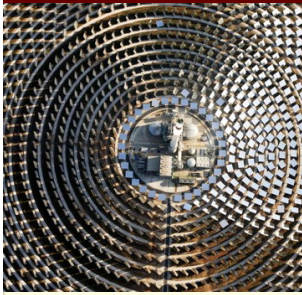


Mechanical Department

4th July, 2015

SMT. S. R. PATEL ENGINEERING COLLEGE

One Day National Seminar Report

One Day National Seminar on “Emerging Trends in Concentrated Solar Technologies ”

Objectives:

To get the knowledge of recent work going on in the world of solar energy.

Enrichment of the project work that could be possible in the world of solar which can help to solve the future energy demand.

To know the more ideas about concentrated solar energy generating devices and different challenges related to those.

Speakers:

Dr. Laltu Chamndra
Asst. Professor, IIT Jodhpur

Mr. Nishit Desai
Research scholar, IIT Bombay

Dr. Jatin Patel
Asst. Professor, PDPU, Gandhingar

Dr. Vishal N Singh
Professor, ADIT, VV Nagar

Mr. Anand Upadhyay
Associate Fellow, TERI, New Delhi



Organized by

GUJARAT POWER ENGINEERING & RESEARCH INSTITUTE, MEVAD



DETAIL OF SEMINAR

After the registration and high tea the Inauguration function was started at 10:00 am. This is contained of welcome address, prayer, floral welcome, Introduction about Institute and this National Seminar.

Dr. Laltu Chamndra from IIT Jodhpur, Delivered on *Concentrated Solar thermal System based Industrial Process Heating*. He discussed about CST Technology, it's strategy, power generation using oil based system It's limitations, Adnosol Plant, Storage tank, Hybridization, solar fuel, Dust problem.

Mr. Nishit Desai from IIT Bombay, Delivered on *Modelling and Optimization of Solar Thermal Power Plant*. He presented New technology like Molten salt, Direct steam generation, linear Fresnel Reflector & Heliostat Based CSP Plants.

Dr. Jatin Patel, PDPU, Gandhingar. Delivered on *Linear Fresnel and Parabolic Through Demonstration Plant for CSP Technologies*. He explain the basics of linear Fresnel and parabolic systems, the different plants in India, CSP in Rajasthan.

Dr. Vishal N Singh, ADIT, VV Nagar. Delivered on *Solar Refrigeration*. He explained the different way to use solar energy for refrigeration and different systems like VAR, Desiccant cooling, porous material etc.

Mr. Anand Upadhyay TERI, New Delhi. Delivered on *Heliostat based Solar Thermal Power Plant*. He showed recent work going on for Thermal energy storage, Combined thermodynamic cycles, combination of LFR and STP plant.

Participated and Submitted by:

Prof. Vinod P Rajput

Mechanical Engineering Department, Smt. S. R. Patel Engineering College, Dabhi– Unhja.