

M P STATE CENTRE

Lecture on Solar Energy

September 30, 2012, Indore

In spite of the Ganesh Viserjan procession which is a traditionally an overnight event for Indore, the audience response to the 35th continuous Breakfast Seminar on Sunday morning of 30th September 2012 was even greater than the previous meetings. The topic was "Solar Energy - the cleanest source for sustainable development" by Er. Atul Kumar Pandey, Project Engineer and Estate Officer IIT, Indore. Starting with a sher, he defined sustainable development through the eyes of an engineer. An Impressive video on Dr. M. Vishwesvaraya, not only suited the occasion but also gave a befitting salute to the eminent engineer in whose name in the month of September we celebrate Engineers Day.

From the concept of sustainable development to its achievement by use of solar energy, the speaker covered the drivers of renewable energy, the green building rating agencies - GRIHA of India and LEED of USA. He spoke of the green parameters of architecture and civil, electrical and horticulture aspects. He quoted from the book Vision 2020 , authored by former President of India, Dr. APJ Abdul Kalam about infrastructure development with reliable electrical power, the advantages of solar energy, the intensity of solar with a view to create awareness and disseminate knowledge. radiation on the map of India, PV cells, nano technology and ways to promote solar energy. He spoke of the first 1 MW canal-top solar power plant in Gujarat, and dscribed a green school building made by public-private partnership without any government aid and without any electrical connection from the state electricity board that uses only solar energy for its energy needs. This school is in Bhikan Gaon, only a few kilometers away from Indore. The presentation provided details of solar power collectors, solar trackers, zero energy buildings to the newest concept of distribution of excess energy to other sectors, created by these green buildings. Actual site pictures of the use of light pipes, light-shelves, solar panels on roof top coverings of parking areas in domestic and commercial buildings, national solar missions etc. The presentation ended with an exciting audio clip from Solar Choice Australia on seven excellent reasons to convert to solar power for homes and businesses and another of Dr. Kalam on success and failures through leadership.

The interactive Q& A session was very informative. It provoked one of the audience Mr. Mahesh Sharma, to display a clipping from a local newspaper that mentioned Indore as the place with the maximum solar energy potential, according to a research paper by NASA. The

programme, anchored by Mr. Mahesh Agrawal of Technocom Marketing and Treasurer, MPSC, was initiated by the welcome address by the Chairman, Mr. Akhilesh Jain and concluded with a vote of thanks by Mr. Dinesh Wadhwa, Hon. Sec. MPSC.