

## M P STATE CENTRE

### Lecture on Non-Conventional Methods of Lighting

March 25, 2012, Indore

The 29th monthly ISLE MPSC meeting was entitled Non-conventional Methods of Lighting by Architect Alok Tiwari, Proprietor and team leader Neo Concepts Architects, Indore. An IIT alumnus and a social worker in his own right, Mr. Tiwari's presentation was truly unconventional. He started his presentations with pictures of slums, poor areas deprived of light and sanitation facilities and a focus on urban slum rehabilitation.

He highlighted the problems of illegal and unauthorised electrical connections in the slums leading to wastage. because electricity is "free"! Possible solutions to this, according to him, involved an integrated approach of lighting and sanitation issues together.

Lighting in the daytime by natural sources is a myth in the slum areas as even for getting a glass of water to drink, the occupant of a one room house has to switch on artificial light. A very novel idea of Solar-Bottle-Bulb, (SBB) on which many NGOs are working, was the focus of the rest of his presentation. The method of making this low cost device using a corrugated galvanised iron sheet, a rubber sealant, empty PET bottle, filtered water, some bleaching powder, the SBB can generate about 55 watts and approx 15 ~ 20 lux with a costing of less than Rs.100.

Lighting at night in slums could be made possible by using human waste and organic kitchen waste created by star hotels and domestic houses.

The Q & A session was very participative. The programme was coordinated by Mr. Sameer Kotwal of Friends Combine, the welcome address was given by ISLE MPSC Indore Chairman, Mr. Akhilesh Jain and the vote of thanks was proposed by Hon. Sec. Mr. Dinesh Wadhwa.