

## DELHI STATE CENTRE

Lecture at Tata Power

June 1, 2012, Delhi

ISLE organised a lecture session along with the Alliance for an Energy Efficient Economy (AEEE) on lighting technology for Tata Power (TPDDL) employees at on June 1st in their corporate office located in Kingsway Camp, New Delhi. It was attended by around 20 people from the organisation. The objective was to familiarize the people with various aspects of lighting technology, standards and new trends. and how the innovations in this field can be utilised for DSM. The speakers were Mr. Sudesh Gupta, Business Head, Thorn Lighting, representing ISLE and Mr. Bhaskar Natarajan, Advisor, AEEE. Mr. Natarajan set the pace by giving an overview of lighting as a technology and lighting and electrical power systems, impact on peak load and energy and energy conservation opportunities available with us today. Mr. Gupta then took the baton from Mr. Natrajan to cover following topics.

- Need and role of lighting in daily life
- Technical concepts of lighting - lux, lumen, candela, colour temperature etc.
- Benefits of lighting, impact
- History of lighting
- Lighting technology - different lamp characteristics and their performance (power factor, harmonics and reactive power)
- Sectors for lighting demand - residential, commercial, industrial, municipal and street lighting.
- Standards for lighting
- Future lighting technologies, LEDs, induction lamp
- Case study of a project in EE lighting retrofits

The program was quite interactive and audience participated enthusiastically, sharing their experiences and seeking answers for their questions from the speakers. The duration of the programme was around three and a half hours. At the end, Mr. Jayanta Chatterji, DGM, TPDDL and coordinator for the programme presented mementos to both the speakers and thanked them as well as the audience for making the programme successful and meaningful.

Sudesh Gupta

Hon. Secretary

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