

## **DELHI STATE CENTRE**

### **Seminar**

September 12, 2009, New Delhi

The Delhi State Centre organised a seminar at the India International Centre on September 12.

The seminar featured two presentations. The first was made by Mr. B.M. Bhatia of Keselec Schreder on Urban Lighting. The second presentation was made by Mr. Pankaj Sharma of Instapower.

Mr. Bhatia's presentation underlined the importance of urban lighting in the context of the increasingly complicated urban landscape, traffic and pollution and social problems. Urban lighting needed to be used as a design tool to alleviate these. The use of right light can reduce dazzle and light pollution while contributing to safety and comfort as well as to saving energy. He emphasised the need for luminaries with greater dust and water resistance and lower maintenance costs. Mr. Bhatia illustrated his lecture with images of installations and presented some future generation luminaries including miniature and micro reflectors for use with modern lamps.

Mr. Sharma indicated that with a projected GDP growth of over 6% for the next few years India had the daunting task of augmenting its energy resources to keep pace with energy requirements which were expected to be 700 GW by 2030 against available 140 GW as on date.

While bridging the gap he said it was necessary to bear in mind the need for keeping under check the carbon emissions. Since lighting loads account for approximately 15% of the total energy consumption there was substantial scope for energy savings.

It was in this context he explained that Light Emitting Diode (LEDs) have emerged as an energy efficient and environmentally safe solution for most indoor and outdoor lighting applications.

He said that LEDs with a unique feature of uni-directional light, longer life > 50000 hrs, CRI of >75 and very low lumen depreciation of 15% during its life cycle, was an optimum energy efficient alternative for many applications and could contribute more than 50% in energy savings as compared to CFLs. The pay-back time for most applications was less than 2.5 years.

Giving several examples of LED applications, he felt there was an urgent need to switch to LEDs to bridge the energy deficit.

The seminar was chaired by Mr. A.K. Jain, Chairman, Delhi State Centre. The vote of thanks was given by Mr. Sudesh Gupta, Secretary of the State Centre.