

## **M P STATE CENTRE**

### **41st Monthly Lecture on Lighting**

March 30, 2013

In March the monthly lecture at Hotel Fortune Landmark, Indore covered two topics; lighting for amusement parks and lighting for showrooms. This event was jointly organised by ISLE MPSC and Institute of Indian Interior Designers (IIID), Indore Chapter. Mr. Anil Valia, Lighting Designer and Educator from Mumbai was the speaker and Dr. Sudhir Singh Bhadauria, Director, Shri G.S. Institute of Technology and Science, Indore was the Guest of Honour for the event.

The programme started with recital of Ganesh Vandana by Mr. Rajat Kulkarni followed by the welcome address of Mr. Vinay Babar, Chairman, ISLE, MPSC. Mr. Vinay Babar highlighted the achievements of the MP State Centre and mentioned that monthly meetings and lectures on topics of general interest related to lighting had been organised for the last forty months and would continue in future as well. He informed the audience that ISLE, MPSC had planned to organise an exhibition of lighting products, a Light Show and a Seminar from May 31-June 2, 2013 at Indore which would be the first of its kind in Central India. Dr. Rakesh Saxena, HOD Electrical Engineering Department, SGSITS, Indore introduced Dr. Bhadauria and Shri Akhilesh Jain, Immediate Past Chairman, ISLE, MPSC, Indore introduced Mr. Anil Valia to the audience.

The installation of newly elected Managing Committee of ISLE, MPSC, Indore for the term 2013 - 2015 took place. Dr. Sudhir Singh Bhadauria presented ISLE Lapel Pins to the newly elected Committee members and extended his best wishes to them. In his Inaugural address and said that new committee would scale new heights.

Mr. Anil Valia started his presentation and lecture on Lighting for Amusement Parks and Showrooms through a case study of Yazoo - an amusement park located in a sprawling area of 12.5 acres in Virar in suburban Mumbai. The park had several sections with differing lighting requirements. Some of the challenges to be dealt with included the number of visitors which varied from 10,000 to 25,000; the safety measures as the park was open till 10 pm; provision for the heavy monsoon rainfall of 1000 mm and the need to keep the power consumption at a level where it could be maintained on DG sets in view of the erratic power supply.

He explained that TLD lamps were used on pedestrian pathways on 3 metre high columns to provide vertical illumination and volumetric lighting. For the train track area 45 W large CFLs housed in large dome luminaires on 3 metre columns were used to ensure minimum power consumption and aesthetic appeal. The train stations were provided with down lights. The children's play area was illuminated by using IP 65 luminaires consisting of CDM - TD lamps mounted on poles at a height of 10 metres capable of providing a double asymmetric beam to take care of requirements like anti panic lighting, adequate visibility and volumetric lighting. In the lawn area TLD lamps mounted on 12 metre high poles were used. Similarly in the food courts a higher lighting level was provided through high wattage CFL/TLD lamps

mounted in wall brackets on columns at 10 meter height was provided along with volumetric PMMA down lights. The water bodies like floating restaurants were lighted by LED lighting to create a romantic effect and one ceiling light was provided in each pavilion. Bright external lights on roofs of Restaurants, Temple Area and Amphitheatres were provided to ensure visibility from long distance.

For the various fountains, low voltage RGB MR 16 coloured lamps and RGB LED luminaries were used to ensure low power consumption, low maintenance cost, aesthetic appeal coupled with long life. The other water body areas were equipped with IP 68 wide beam RGB luminaries of gun metal with low copper content. Fiber optic lighting system consisting of simple wiring was also used. All the signages were backlit with LED's.

The second part of presentation and lecture was related to Showroom Lighting. It was explained by taking another case study, of the Asian Paints Signature Showroom in Mumbai. Mr. Valia explained that sensor lighting was provided for activation of foot prints on different coloured rings located on floor of showroom. An RGB LED Light Mural was used to ensure high fidelity colour reproduction from colour catalogues. RGB LED Chandeliers were used in FF Ceilings to create a very good lighting effect in the showroom. An RGB LED Light Box in the *Chhajja* was used to give external recognition to the showroom from outside.

Mr. Rajendra Raje, Committee Member, ISLE, MPSC, Indore presented a memento to Mr. Anil Valia and Ar. Paresh Kapade Member, IIID, Indore Chapter presented one to Dr. Sudhir Singh Bhadauria.

The programme ended with cocktails and dinner. The programme was anchored by State Centre member Ms. Bhumika Chainani. The vote of thanks was proposed by Mr. Atul Kumar Pandey, Hon. Secretary MPSC.

Dr. Alok Mittal Committee Member, MPSC