

2nd International workshop on High Performance Commercial Buildings in India, 4th February, 2010

The 2nd international workshop under the project, "High Performance commercial buildings in India" was hosted in New Delhi as a special event during the Delhi Sustainable Development Summit, an annual event that is globally recognized as a flagship event in the domain of sustainable development issues. It attracts numerous international and national participants to interact with and listen to an eminent set of speakers and panelists drawn from global leaders, academia, corporates, civil society and students.

The workshop thus was strategically organized to attract international and national participants. It received wide participation and was very successful in disseminating the project results to a large number of professionals.

The workshop also witnessed the launch of the website on the project. The website was launched by Dr Ajay Mathur, DG, Bureau of Energy Efficiency, Government of India. Speaking on the occasion, Dr Ajay Mathur stressed that ECBC compliance would make buildings more energy efficient as well as enable reduce the energy bills by almost 50%. He lauded the project findings so far and said that results from the actual existing projects that are performing very efficiently, is an extremely useful database and would drive energy efficiency. The workshop began with remarks from Dr Ajay Mathur and Mr Girish Sethi, Director, Industrial Energy Efficiency Division, TERI. It was followed by a presentation on the initiatives taken by the Bureau of Energy Efficiency on promotion of energy efficiency in the building sector. He highlighted the star labeling programme for existing buildings based on energy performance and the energy efficiency retrofit programme of the BEE. It was followed by a detailed presentation highlighting the study conducted so far, potential of energy savings in commercial building sector by usage of ECBC recommended measures and low energy strategies in existing buildings. The building owners of the case study buildings also participated in the workshop and provided useful insights into operational aspect of a high performance building. It was a highly interactive discussion. Detailed recommendations on generic applicable and cost effective low energy and ECBC compliant measures for each climate zone was presented. Large scale replication of these measures through integration of building byelaws was selectively demonstrated. Trade off measures between low energy low cost strategies vis a vis ECBC measures was also presented.



This was followed by a highly illustrative presentation on traditional passive architectural concepts by Architect Karan Grover, architect of the first LEED certified platinum rated building in India. Mr Grover mapped the historical advent of low energy concepts and how these have been cleverly applied to modern buildings that are architectural masterpieces and truly high performance. Mr James Law renowned architect from Hong kong explained several of his projects that

are high performance buildings and have used several high end technological options to arrive at high level of energy and resource efficiency.

Dr RK Pachauri, Chariman IPCC and Director General TERI aptly gave the final remarks reinstating the necessity to adopt energy efficient techniques in buildings. Buildings are major contributors of global emissions and it is very urgent to switch to energy efficient buildings to cut down emissions from the building sector.

Mr Mark Ginsberg , Senior Advisor, US DOE summarised the discussions and also mentioned that the website could be linked to similar websites globally which would give remarkable visibility to the project results and enhance replicability

Agenda of the International Workshop on “High Performance Commercial Buildings in India”

Date: 4th February, 2010

Venue: Hotel Taj Palace, New Delhi

09:00 - 09:30	Registration	
09:30 - 09:40	Lamp Lighting Ceremony	
09:40 - 09:50	Welcome Address by Director General, BEE	Dr. Ajay Mathur
10:00 - 10:10	Address by Director IEE, TERI	Mr Girish Sethi
10:10 - 10:20	Vote of Thanks by Secretary, BEE	Mr. Saurabh Kumar
10:20 - 10:25	Launch of High Performance Commercial Buildings Website	Dr. Ajay Mathur
10:25 - 10:45	Coffee Break	
10:45 - 11:05	India’s Roadmap for Energy Efficiency in Buildings	Mr. Sanjay Seth ,Energy Economist ,BEE
11:05 - 11:45	High Performance Commercial Buildings in India – Project Presentation	Ms. Mili Majumdar/ Ms. Minni Sastry / Mr. Pradeep Kumar, TERI
11:45 - 12:30	Low energy architectural design strategies	Architect Karan Grover
12:30 - 13:15	High Performance Commercial Buildings	Architect James Law Chairman & Chief Cybertect James Law Cybertecture International, Hong Kong
13.15-13.20	Address by Director General, TERI	Dr R K Pachauri
13:20 - 14:00	Wrap up and Discussions	Moderator Mark Ginsberg, US DOE
14:00	Lunch	