

EMERGING TRENDS IN BUILDING TECHNOLOGY
New Delhi, June 5-7, 2003

TECHNICAL SESSION-I : PLANNING AND DESIGN WITH CASE STUDIES

1	Special Features and Design Characteristics of Airport Terminal Buildings	H. S. Bhatia & R.C. Rekhi
2	Modernising Bus Terminal Building: Case Study- Interstate Bus Terminal at Sarai Kale Khan, New Delhi	A.G. Krishna Menon & B.B. Choudhary
3	Construction of Kashmere Gate MRTS station in Busy City Area	S. K. Gupta
4	Indian Institute of Technology - Guwahati	Suresh Goel
5	Planning and Design of Auditorium in Difficult Terrain	V. K. Mathur & B.S. Gupta
6	Global Business Park at Gurgaon : A Case Study	S.R. Sikka
7	Innovative Techniques in Parliament Library Building	K. Srinivasan & A. K. Garg
8	Indoor Badminton, Volleyball Cum Basketball Court at Sirifort DDA Sports Complex – Structural Challenges & Innovation	Prof. B.M. Ahuja & Vipul Ahuja
9	The Great Egyptian Museum – A Gem	Anil Lau & Rupam Pandey
10	Hotels, Motels and Holiday Homes- Planning, Design and Technological Aspects	Vijay K. Saluja
11	Functional Planning and Performance of Underground Facilities	Virendra Kr. Paul & Aninda Kr. Bagchi
12	Planning of Courts Complex – A Novel Concept	S.M. Kohli & B. Babbar
13	Design and Construction of Dr. Hedgavar Arogya Sansthan at Karkardooma in East Delhi	Anil Kumar, M.C. T. Pareva & Lt. Col. Lalit Chawla (Retd)
14	Seismic Vulnerability of Hospitals	Ajay Kumar Sinha & Dr. (Mrs.) P. R. Bose
15	Planning Speciality Surgical Suites in the Hospital Buildings	Virendra Kr. Paul & Abhishek Gupta

**TECHNICAL SESSION-II : MATERIALS, TECHNIQUES &
TECHNOLOGIES**

16	Building Materials of Today and Tomorrow	S. K. Kaushik & Praveen Kumar
17	Emerging Trends in Cementitious Materials	A. K. Jain
18	Emerging Trends in Utilisation of New Materials and Techniques in Concrete Construction	J. Bhattacharjee
19	Ready Mixed Concrete-The Way Ahead	Sanjay Bahadur & Devendra Kumar Pandey
20	Jointless Construction Technology	S.C. Aggarwal
21	Glass – An Emerging Trend in Building Technology	Dr. N.K. Garg, Ashok Kumar & S.K. Negi
22	Stainless Steel Assures Durability and Enhances Aesthetics of Structures	Ramesh R. Gopal
23	Information Technology and Urban Symbiosis	A.K. Jain
24	Information Technology for Building Construction Projects	Vanita Ahuja & Dr. V. Thiruvengadam
25	Applications of Information Technology in Construction Industry	V.Srinivasan, Ashok Kumar & S.K. Negi
26	Stone Columns – A Cost-effective Alternative to Pile Foundation	Dr. Sudhendu Saha & Santanu Saha
27	New Building Materials and Their Suitability – Various Aspects	Dr. Baljeet S. Kapoor, Prof. Umesh Sharma & Sushant Sharma
28	Aluminum Form Work System – Treat for Concrete, Client and Consultant	Narendra Patel
29	Ready Mixed Concrete : A Modern Trend	Pradeep Agrawal & Maj. Gagan Khanna

TECHNICAL SESSION-III : BUILDING SERVICES& ENERGY CONCERNS

30	Emerging Trends in Fire Safety of Buildings	S.K. Dheri
31	Case Study of an Environment Friendly, Intelligent & Modern Building with Integrated Building Management System-Office For Xansa India Ltd. at Noida	Ashish Rakheja & Dr. Prem C. Jain
32	Allied Services in Modern High Tech Buildings (Case Study On Extension Of Escorts Heart Institute And Research Centre At Okhla Road, New Delhi)	M. K. Gupta & Nishant Gupta
33	Energy Efficiency In Buildings- Design stage and Retrofit Options	R. K. Kaul
34	Smart Homes & Intelligent Buildings	A.K. Rambani & S.I.P. Singh
35	Scientific Approach for Prevention and Control of Fire in High rise Building	O.P. Gupta, R.C. Sharma & Vijay Gupta
36	Energy Saving Potential of Tilted Glazing in Buildings	Ishwar Chand & S.S. Aggarwal
37	Energy Efficiency in Architecture	K.B. Praseeda