

Technological Advances in Construction Industry –  
Focus Faster Speed & Better Quality  
Surajkund, April 09, 2011

**CONTENTS**

**TECHNICAL SESSION – I**  
**DESIGN CONCEPTS & TECHNOLOGY**

1. Low strength flowable concrete for sunken slabs  
*Dr B Sivarama Sarma & S. Manohar*
2. Initiative of CPWD Towards Fast Track Construction  
*C.S.Prasad*
3. Launching Systems For Segmental Bridges  
*Vinay Gupta*
4. RCC Sewer Line Work Using Microtunneling Technology  
*SPS Bakshi, Samik Mistry & Pankaj Bhattacharya*
5. Advanced Construction Technologies For Urban Housing  
*Dr. N.K.Garg*
6. Innovations in High Rise Structures - The Retractable Partition Walls  
*Charu Sharma & Aakriti Verma*
7. Building Management Systems  
*Brig B D Pandey, SM & Lt. Col. Manoj Gupta*
8. New Dimensions in Building Information Modelling  
*Kartik Sapra & Pushplata*
9. Role of Building Information Modeling in Management of Construction Projects  
*Shingini Sengupta, Dr. V.K. Paul & Dr. V.Thiruvengadam*
10. Sustainability in Construction- Emphasis on Materials,  
Application Technology & Mechanization  
*D.S. Sachdev*
11. In-Situ Assessment of Strength of Concrete  
*Dr. Vinaykumar C H & Dr. S N Tirthakar*
12. Emerging Trends in Nano -Technology  
*Gurudev Singh*
13. Building Green With Nano Technology  
*Col. S. Gopikrishnan*

14. Quality, Speed and Cost  
*Dr. K.M. Soni*
15. Time, Cost and Quality Control in Construction  
*Dr. A.K. Garg, Arun Choudhary & Abhinandan Baishya*
16. Impediments Towards Speedy Construction  
*Manoj Karyekar, Vivek Dixit & Aparna Dixit*
17. Self Supporting Roofing Technology  
*B.Ravinder & K.Srinivas*
18. Application of High Performance Concrete in Construction  
*Dr. Indrasen Singh*
19. Technological Advancements in Construction and Architecture  
*Dr. Oscar Concessao & Dr. Ponni M. Concessao*
20. Stability Analysis of Laminated Composite Box Beams  
*Abhinav kumar & Akhil Upadhyay*
21. Reforms For Quality and Speed: Indian Construction Industry  
*R N Yadav*
22. Advances In Technology, Materials, and Processes in Construction Industry  
*R..B. Gautam*
23. New Eco-Friendly Hybrid Composite Building Materials  
*Shailendra Kumar & Mandal Kamini Sinha*
24. Good Quality Concrete – Some Practices for field Adoption  
*M.L.Soni & R. Ahuja*
25. Difficulties Encountered with High Performance Concrete  
*O.P. Gupta, Vijay Gupta, J.J. Lal & Chandan Gupta*
26. Need for Faster Speed & Better Quality in Construction Industry  
*J. Bhattacharjee*

**TECHNICAL SESSION –II**  
**BUILDING SERVICES & CASE STUDIES**

27. Membrane Roof Construction for Jawaharlal Nehru Stadium  
*V.K. Gupta, Ranjit Singh & A.K. Khatua*
28. Fire Water Curtain System for Basement Compartmentation  
*S. Padmanathan, S. Navin Kumar & S. Ravikumar*
29. Practical Implementation of Best Processes of Execution and Quality measures – Case Study of Nirman Sadan  
*Mahesh Kumar*
30. Advanced Plumbing Design For High Rise Buildings  
*A.Umamaheswari & V.S.Jayasree*
31. Construction of World’s Biggest Bus Depot on Fly Ash Pond  
*Dinesh Kumar & Jatan Swarup Sharma*
32. Efficient Construction Management for Fast Track Completion of Cycling Velodrome Project  
*P. Bhagat Singh, V.K. Gupta, & R.K. Malhotra*
33. Cable Net Roof Construction for Dr. SPM Swimming Pool Complex  
*Rajendra Kalla, V.K. Gupta & Manu Mittal*
34. Bioaugmentation Supports the Wastewater Treatment Systems  
*M.Srikanth & G. Madane*
35. Integrated Terminal Building at Raja Bhoj Airport, Bhopal  
*D.K. Sharma*
36. Improving Utilization of Fire Protection Services  
*M.Harisankar Prasad, S. Padmanathan, G. Ravishankar & J.Vengadesan*
37. Bandra Worli Sea Link Project  
*Purushottam P. Doijode*
38. Speedy Construction by Traditional Methods – A Case Study  
*Laxmi Kanta Tripathy*

