

**Mechanised Construction & Maintenance  
Indore March, 14-15, 2008**

**Technical Session – I : Planning, Techniques, Safety & Quality**

1. Capacity Building of Workers for Mechanised Construction  
*A. Chakrabarti*
2. Industrialized Building System for Mass Housing:  
A Critical Appraisal  
*Ashok Kumar & Dr. Navjeev Saxena*
3. Mechanisation – A Must for Fast-Tract Quality Construction  
*D.S. Sachdev & R.N. Dandekar*
4. Planning for Safety for Mechanised Construction  
*Lt. Col. L. Shri Harsha*
5. Planning and Design Aspects of ‘Systems’ Building  
*A.K. Jain*
6. Mechanised Construction Concept: Requirement, Techniques and Success  
*Vishal Kumar*
7. Mechanisaion Promotion in Construction Industry  
*Dr. K.M. Soni*
8. Quality Aspects in Building Design and Construction  
*V. Srinivasan & B. Ramesh*
9. Mechanised Construction Techniques for High Rise Buildings  
*O.P. Gupta, vsm & Vijay Gupta*
10. Firing Fuel for Mechanised Construction  
*Narendra D. Patel*
11. Need for Quality Management in Construction Industry Through Mechanisation  
*J. Bhattacharjee*
12. Quality Assurance and Quality Control in Mechanised Construction Industry  
*Dr. M.S. Ranadive & D.V. Kadam*
13. Enhancing Safety Aspects of Mechanised Construction: Some Issues  
*Dr. R.K. Khitoliya & S.K. Gupta*

## Technical Session – II : Prefabrication, Plant & Equipment

14. Precast Folded Plates for Long Span Constructions  
*S. Kanappan*
15. Developments in Mechanisation of Formwork  
*K. Senthilnathan & K. Senou*
16. Mechanised Formwork Systems for Concrete Structures  
*Deepak Narayan*
17. Sustainable Habitats for Extreme Climates Using Cellular Lightweight Concrete  
*Lt. Gen. R.R. Goswami & Gurudev Singh*
18. A Comparative Study of Construction Equipment  
*K.R. Ramana*
19. Ready-Mix Concrete: The Need of Indian Construction Industry  
*Archana Bohra Gupta & Manumanish Gupta*
20. Mechanisation : Solution to Challenges in High Rise Construction  
*A.D. Makhare*
21. Imperatives of Machineries and Equipments in Mechanised Construction  
*Dr. Indrasen Singh*
22. Prefabrication – Building Techniques for Low Cost Housing  
*Anu Sikka, Prashant Sikka & Gopal K. Johari*
23. Mechanisation in Construction Industry for Better Quality and Productivity  
*Sachin Jain & Suman Jain*
24. Ready Mix Concrete – A New Generation Concrete  
*Dr. Hemant Sood, Savita Sugotra & S. Raji*

### Technical Session – III : Maintenance & Case Studies

25. Mechanisation in Building Maintenance – A Case Study  
*S. Chinnaswamy, V.K. Jayaswal & J.S. Sandhu*
26. Integrated Building Management System – For Mechanised Maintenance  
*L.P. Srivastava, K.K. Peshin, S.S. Garg & Sanjeev Aggarwal*
27. Bandra Worli Sea - Link Project – A Case Study  
*S.P. Khedkar, D.K. Sharma, Santhosh Rai & S. Misra*
28. Mechanised Construction of Panvel Creek Bridge – A Case Study  
*J.S. Jadhav & S.B. Ithape*
29. Mechanised Construction in Tent Structures: Case Studies  
*Dr. Pushplata & Kushagra Mittal*
30. Prefabricated Housing in U.K. – A Case Study  
*Prashant Sikka, Anu Sikka & Gopal Johri*
31. Mechanisation in Construction of SEBI Building  
*V.K. Rokade*
32. Mechanisation in House Keeping and Maintenance  
*D.S. Sachdev*
33. Mechanised Housekeeping of Buildings  
*L.P. Srivastava, M.K. Talreja & H.R. Gaikwad*
34. An Approach Towards Mechanised Construction and Maintenance  
*R.B. Gautam*