

Mechanised Construction & Maintenance
Ranchi, December 7-8, 2007

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