INDIAN BUILDINGS CONGRESS

Mid Term Seminar on Fire Hazards in Built Environment on July 12-13, 1996 at Roorkee

CONTENTS

TECHNICAL SESSION – I FIRE SAFETY MANAGEMENT

- 1. Electrical Fires! Can we not Eliminate Them?

 J.N. Bhavani Prasad, Mohan Swaroop, L.J. Malhotra,

 A.K. Roy and S.P. Sehgal
- 2. Fire Safety in High Rise Buildings Problems and Solutions *Mahesh Chandra, T.P. Sharma and Suvir Singh*
- 3. Fire Safety Management of Buildings by Structural Fire Protection S.L. Karunakaran, Jose Kurian and Balraj Chadha
- 4. Cable-Fire Safety Management in Power Plants *R.K. Jain*
- 5. Safety Management in Explosive Industries *Dr. A.K. Datta and P.K. Chatterjee*
- 6. Some Aspects of Chemical Fires and Their Management *Dr. B.S. Varshney*
- 7. Fire Protection in Multi Storeyed Buildings *V.Suresh*
- 8. Planning Provisions to Prevent Fire Hazards in Multi-Storeyed Bldg in Delhi *Dr. S.P. Bansal*
- 9. Management of Protection Against Fire Hazards in Built Environment *I. Mohan*
- 10. Structural Fire Protection Codal Provision S.L. Karunakaran, Jose Kurian and Balraj Chadha
- 11. Fire Safety Management Through Users Training and Awareness *Er. H.K. Munjal*

TECHNICAL SESSION – II FIRE RESISTANT MATERIALS

- 12. Fire Rating of Building Materials *D. Ajitha Simha*
- 13. Fire Performance for Door Shutters *S.L. Karunakaran and K. Srinivasan*
- 14. Need of Flame Retardant Textiles in India *Major General V. Badhwar (Retd.) PVSM, VSM*
- 15. Flame Retardant Treatment of Cotton Textile *Har Pal Singh, J.P. Jain and llam Singh*
- 16. Fire Protection of Combustible Building Materials Dr. N.K. Saxena, Dr. Sunil K. Sharma, Suvir Singh and Dr. T.P. Sharma
- 17. Sprinkler Protection in Highrise Buildings *S.B. Gupta and A.K. Gupta*
- 18. New Techniques for the Study of Fire Bheaviour of Flame Retardant Smoke Suppressant Polymeric Materials *Dr. Sunil K. Sharma, Dr. N.K. Saxena and Dr. T.P. Sharma*
- 19. Performance Evaluation of Materials for Smoke Toxicity Sahab Singh, J.P. Jain and N.S. Tyagi
- 20. Evaluation of Building Material for Non-Combustibility: Present Trends and Innovative Methods

 A.A. Ansari and N.L. Yaday

TECHNICAL SESSION – III FIRE PERFORMANCE EVALUATION

- 21. Approach for Fire Safety Evaluation for High-Rise Office Buildings *Dr. Thiruvengadam, Virendra Kr. Paul and Madhumathy Nair*
- 22. Fire Fighting Management in Bhikaji Cama Bhawan, New Delhi Deepak Narayan and Ram Avtar Sharma
- 23. "Calfire"-An Effective Tool for Calculating Risk Due to Fires in Buildings *Dr. A.K. Gupta and R. Kumar*

- 24. Fire Protection Measures in Parliament Library Building *Mohan Swaroop and S.C. Khurana*
- 25. A Case Study on Fire Incident in PDU (Lube Refinery) on June 28,1991 at HPCL, Bombay Refinery

 A.A. Raichur
- 26. Intelligent Fire Detection, Alarm and Fighting Systems *Er. V.K. Jain*
- 27. Fire Hazards in Hydropower Stations-Causes and Preventive Measures Devadutta Das, H.S. Badarinath and Gopal Chauhan
- 28. Computerized Fire Detection and Building Security: An Overview *M.P. Singh, R.P. Kulshrestha and K. Ram*
- 29. Automatic Fire Detectors: Operation and Applications in Buildings *K. Ram, R.P. Kulshrestha and M.P. Singh*
- 30. Automatic Fire Detection *Pramod Prakash*