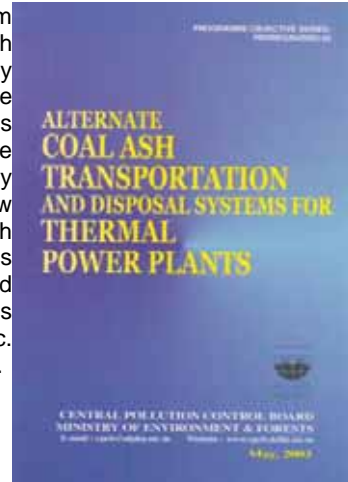


## Alternate Coal Ash Transportation and Disposal Systems for Thermal Power Plants

### Foreword

Flyash, constitutes almost 80% of the total quantity of ash generated from the coal based power plant. Disposal of ash in the slurry form into the ash ponds has been a common practice adopted by the power plants. A study was commissioned by the Central Pollution Control Board to explore the alternate possibilities for ash transportation and disposal. This study was undertaken by a team from IIT Delhi and Flyash Technology Mission. The findings of the study indicate that Medium and High concentration slurry disposal systems have an added advantage over conventional low concentration slurry transportation and disposal system. The dry ash disposal in mound form is also an environment friendly option for locations where land and water are scarce. The study also points out that increased emphasis need to be given to promote utilization of ash in various activities such as the construction industry, roads, embankments, brick making etc. Utilization of flyash has added another dimension of handling it in dry form.



I would like express my sincere appreciation for the work done by the team of researchers comprising Dr. V. Seshadri, Dr. S.N. Singh, Dr. Manoj Datta, Dr. V. K. Agarwal, Mr. Vimal Kumar. My colleagues Dr. S. K. Paliwal, 'Sc B'; Sh. Lalit Kapur, SEE and Dr. B. Sengupta, Member Secretary coordinated the study.

We hope, the findings of the study will be useful for power generators, regulatory agencies, academic institutions and others concerned.

A handwritten signature in black ink, appearing to read 'Dilip Biswas', is positioned above the printed name.

**Dilip Biswas**  
Chairman,CPCB