

Environmental problems due to fly ash and its use as building material

Shamsad Ahmad, S.M. Abbas and Asif Hussain

Proceedings of International Conference on New Challenges for Civil Engineers of Developing Countries in the 21st Century, 29 February, 1, 2 March, 1996, Civil Engineering Department, Jamia Millia Islamia, New Delhi, India, pp. 265-268

Abstract:

With the commissioning of new Thermal Power Plants (TPP), large amount of fly ash is being produced everyday posing a serious threat to the environmental health besides great disposal problem. The management of such a huge quantity of fly ash has become really a challenge to the engineers concerned. However, various attempts have been made to use the fly ash in mine filling and to a great extent as building material after its proper characterization. As a building material, fly ash is commonly used as pozzolanic material in production of Portland Pozzolana Cement and in preparation of mortar and bricks etc. The present paper briefly reviews the environmental problems due to fly ash and also its use as the building material.