

Cost Benefit Analysis of Dust Control in Cement Industry

Foreword

Cement industry in India has been identified as one of the major air polluting industries for which the Central Pollution Control Board evolved emission regulations for different plant production capacities. The emission standards are applicable for all sections of production in cement plant, such as raw mill, kiln, coal mill, clinker cooler, cement mill etc. In order to combat emission from these sources and comply with the standards, cement industries are installing different types of pollution control devices. In this context, it was felt necessary to undertake a study on the "cost benefit analysis of various dust control equipment in cement industry" to establish the economic viability of various dust collectors used in cement plants of varying capacities. The study was carried out by the National Council for Cement and Building Materials (NCB), Ballabgarh in association with the Central Board. Findings of the study form the basis of this report. Dust collectors for different sections have been recommended depending on the requirements of the emission regulation and their pay-back periods are also brought out in the report.



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Cement industries need to install efficient pollution control devices and properly operate and maintain these installations to achieve the intended objective of emission control besides resource recovery and capital cost recovery.

It is hoped that the report will be useful for the regulatory agencies, industries and research organisations. .

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