

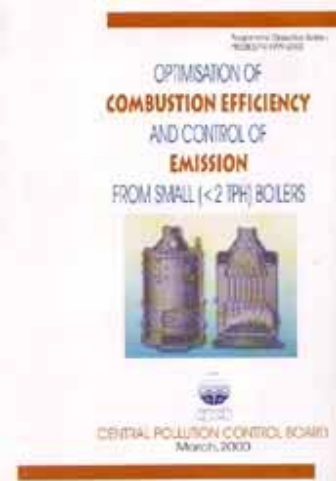
Optimisation of Combustion Efficiency & Control of Emission from Small (<2TPH) Boilers

Foreword

Various types of small boilers are used in industrial processes requiring steam for heating, pressure or curing etc. Coal, fuel oils (LDO, FO), rice husk, briquettes or wood are generally used as fuel. More often than, the small boilers contribute a major source of air pollution primarily due to improper operation and maintenance. The Central Pollution Control Board carried out a study on "optimisation of combustion efficiency and control of emission from small boilers (less than 2 TPH) through National Productivity Council, New Delhi. The findings of the study suggest that optimisation of combustion efficiency through proper operation and maintenance helps in reduction of the emissions as well as saving in fuel consumption. Based on the findings of the study, the guidelines for the users and manufactures of small boilers are suggested in the report.

The report is the out come of the team efforts consisting of the National Productivity Council, New Delhi and my colleagues Shri Lalit Kapur and Dr. Sanjeev Kumar Paliwal, under the guidance of Dr. B. Sengupta, Member Secretary. Shri Mahendra Kumar Gupta, assisted in typing the manuscript of the report.

We hope, the guidelines will be useful for boiler manufacturers and user industries as well as regulatory agencies for pollution prevention in small boilers.



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