

## Minimal National Standards for Small Pulp and Paper Industry

### Foreword

The Minimal National Standards (MINAS) for specific industry are being evolved after looking into practical difficulties, limitations and economic impact on the industry. The acceptability of the MINAS is linked with the techno-economic feasibility of the treatment systems which is being linked with the annualised capital cost of pollution control and turnover of the industry. The MINAS may be attained in one stroke or in phases, depending upon seriousness of the pollution and techno-economic assessment of requisite pollution control measures. The evolution of MINAS thus remain independent of the characteristics of the recipient environment. The Central and State regulatory agencies for pollution control have come to an agreement that under no circumstances MINAS would be relaxed, but can make it stringent depending upon the location and quality of recipient environment.

The present document, belongs to the services -Comprehensive Industry document Series: COINDS, contains the salient features of main documents prepared for Small Pulp and Paper Industry. In -depth

discussions were held with the Small Paper Mills Associations in India to evolve the MINAS. The cooperation extended by the State Pollution Control Boards, Association of the Industry, Industry in individual capacity and DGTD are gratefully acknowledged. The study was conducted on behalf of the Pollution Control Board on a contractual basis by the National Environmental Engineering Research Institute, Nagpur for preparing the main document

Shri C. S. Tripathi, Assistant Environmental Engineer of the Central Board prepared this report on MINAS from the Base Document in close association with Dr. S. P. Chakraborty, Technical Secretary, Central Board. This report was typed by Shri M. R. C. Pillai and Shri Anil Kumar and drawings were made by Mrs. Bonya Basu.

It is believed that the document would be useful to the industry, regulatory agencies, the consultants and others interested in Pollution Control.

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