

## Cleaner Technologies - Issue and Options

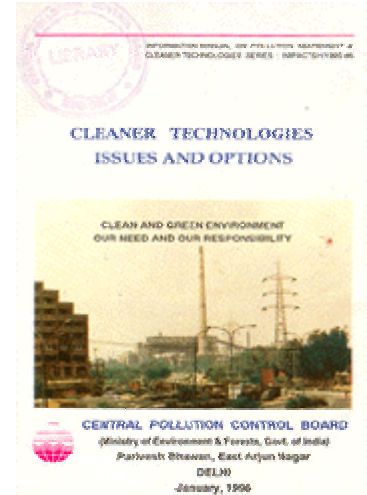
### Foreword

With increasing trends in population growth and industrialization wastes and pollutants are released than the earth can absorb them, and natural resources are consumed faster than they can be restored. If sustainable development is to be achieved, production processes, and services have to be reoriented towards new patterns, in order to alleviate environmental stress and to achieve sustainable industrial productivity .

A major achievement of the Rio Summit was the realization that environment and development are inseparable, and that industry is an important contributor to development. The need for preventive approaches to industrial pollution has been recognised, and cleaner production is now seen as one of the control tools for industry to achieve environmental improvements while remaining competitive and profitable . In our country, most of the industries still rely on the end-of-pipe treatment of wastes, which is largely attributable to the inadequate knowledge of the benefits from cleaner production options. An attempt has been made by

my colleagues, Dr. D. C. Sharma and Shri Mahendra Pandey to compile the relevant issues and options in this booklet,

We hope, the concerned industry , R & D organisations and consultants will find this booklet useful in propagating the message of cleaner technologies for pollution prevention.



**Dilip Biswas**  
Chairman, CPCB