The Complete Guide on Industrial Pollution Control

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Industrialization is the process of social and economic change that transforms a human group from a pre-industrial society into an industrial one. It is a part of a wider modernization process, where social change and economic development are closely related with technological innovation, particularly with the development of large scale energy and metallurgy production. Industrial pollution hurts the environment in a range of ways, and it has a negative impact on human lives and health. Pollutants can kill animals and plants, imbalance ecosystems, degrade air quality radically, damage buildings, and generally degrade quality of life. India is a home to many industries. The sectors include Iron and Steel, Pulp and Paper, Food Processing, Chemicals, Aluminium Industry, Cement, Pharmaceuticals, Machine tools, Surface finishing Industries etc. However, the industrial growth happening at a breakneck speed has resulted in a significant contribution to the toxicity in the environment. Therefore industrial activities should comply with regulatory norms for prevention and control of pollution. There have been many guidelines for the industries and the pollution caused by them. The setup and implementation of these guidelines is a joint responsibility of the central and state governments along with the Central Pollution Control Board to curb such emissions. At present, the control of pollution from industrial installations remains a key issue in India. As urbanisation expands and cities grow the need to deal with the environmental impact becomes even more important to ensure sustainable development. This also entails handling increasing volumes of waste water. Efficient wastewater management exploiting the capacity optimally requires a thorough understanding of the pollutions sources origin and substance. Hence pollution sources must be mapped and identified.
This book is designed to assist in the identification and implementation of a cost effective program for industrial pollution monitoring, control, and abatement within the context of institutional and financial constraints present in India. The book is a complete guide on industrial pollution control in important industries like Iron and Steel, Pulp and Paper, Food processing, Chemicals, Aluminium industry, Cement, Pharmaceuticals, Paint industry and many more. This book will be very resourceful to all its readers, students, entrepreneurs, technical institution, scientist, etc.

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