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Full PDF PackageDownload Full PDF PackageThis PaperA short summary of this paper37 Full PDFs related to this paperDownloadPDF Pack File Size 27.78 MB Authors Anji Reddy Mareddy Number of Pages 632 Publisher Elsevier ISBN 9780128111390 Samples Environmental Impact Assessment: Theory and Practice describes the various pieces of knowledge necessary to speak the language of EIA and carry out EIAs focusing on a variety of environmental issues, including impacts on environmental components, like air, water, soils, land, noise and biological environments. Organized into 15 chapters, the book provides engineers with the tools and methods to conduct an effective assessment, including report preparations, design measures and relevant mitigation steps that can be taken to reduce or avoid negative effects. Case Studies are presented, providing guidance professionals can use to better understand, plan and prepare environmental impact assessments. Presents detailed methodologies for air pollution control, waste treatment schemes, phytoremediation, bioremediation, hazardous waste, green belt development and rainwater harvestingHighlights concepts and important definitions of EIA and the planning and management of EIA study Discusses the impacts on valued environmental components, like air, water, soils, land, noise, and biological and socioeconomic environments in a systematic manner 1. Environmental Policies 2. Conceptual Facets of EIA 3. EIA Study Planning and Management 4. Baseline Data and Environmental Setting 5. Impact Identification Methods 6. Impacts on Air Environment 7. Impacts on Water Environment 8. Impacts on Soils and Land Environment 9. Impacts on the Noise Environment 10. Impacts on the Biological Environment 11. Impacts on the Socioeconomic Environment 12. Mitigation and Impact Management 13. Technology in EIA 14. EIA Practice in India 15. Public Involvement in EIA Environmental risk assessment, Environmental impact analysis, Environmental economics, Building construction & materials, Environmental science, engineering & technology Environmental Impact Assessment by Dr N. S.Raman, Dr Y. R. M.Rao Book Summary: Environmental Impact Assessment (EIA) has been identified as a major tool to address need for sustainable development. EIA is a relatively new concept emerging as a consequence of worldwide environmental concern. The idea behind the EIA concept is simple; "To consider environmental factors in the decision-making process for socio-economic development efforts". EIA is a practical tool, providing environmental information for decision-making. The present book provides an exposure of the Environmental Impact Assessment (EIA) principles and procedures. Its focus is on the methodology of the EIA so that it becomes a viable application oriented exercise. Major dimensions of the environmental pollution like air quality, noise, water quality, soil and geology, aesthetics and socio-economic concerns are covered in this book. Measurement of environmental indicators and economists approaches of EIA are also described. Deliberately designed to be relevant, the authors focus on the common skills and generic aspects of EIA that underpin all impact assessment work! such as screening and scoping, impact identification, public involvement, prediction and monitoring, evaluation, and quality control. The methodology highlighted in the book can also be applied to several other environmental issues. The book includes report preparations, design measures and relevant mitigation steps that can be taken to reduce or avoid negative effects. Case Studies are presented, providing guidance to better understand, plan and prepare environmental impact assessments. The book is useful to graduate students of engineering and sciences and postgraduate students of engineering, economics, management and of other discipline who are part of project planning, implementation, operation and other related decision-making. Audience of the Book : This book Useful for Environmental Science Students. Table of Contents: 1. Prologue 2. Environmental Impact Assessment In Practice 3. Baseline Scenario 4. Stage Of Environmental Assessment 5. Projection Decision 6. Monitoring 7. Case Studies Bibliography



