



# ENVIRONMENTAL IMPACT ASSESSMENT METHODOLOGIES

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## KEY SELLING POINTS

- ◆ Caters to the needs of both postgraduate students studying Environmental Science/Engineering as special subject and practising EIA consultants and Environmental Managers in Industrial Regulatory Bodies.

## BOOK INFORMATION

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This book is structured into two parts. In the first part the first nine chapters deal with various components of EIA methodologies like identification, prediction and assessment of direct and indirect environmental impacts, while in chapter 10 environmental audit procedures are discussed.

In part two, guidelines for the preparation of EIA for various types of developmental projects are given so that it will be useful as a ready reference for practising Environmental Scientists and Engineers

**Contents:** Fundamental approach for Environmental Impact Assessment; EIA Methodologies; Assessment of Impacts on Developmental Activities and Land Use; Environmental Impact Assessment on Surface Water Environment; Prediction and Assessment of Impacts on Biological Environment; Prediction and Assessment of Impacts on air Environment; Prediction and Assessment of Impacts on Noise on the Environment; Assessment of Socio-Economic Impacts; Preparation of EIA for Some Typical Developmental Activity; Environmental Audit.

Environmental assessment (EA) is the assessment of the environmental consequences (positive negative) of a plan, policy, program, or actual projects prior to the decision to move forward with the proposed action. In this context, the term "environmental impact assessment" (EIA) is usually used when applied to actual projects by individuals or companies and the term "strategic environmental assessment" (SEA) applies to policies, plans and programmes most often proposed by organs of state. It is a tool Chapter 3: Impact Assessment Methodology. 3.2.1 Screening and Scoping. Screening is the first step in the assessment process.Â Determining receptor environmental sensitivity requires an understanding of the biophysical environment. The sections below set out the methodology for both environmental and socio-economic impact assessment. 3.2.5 Environmental Impacts. 3.2.5.1 Method for Determining Event Magnitude.