

ENVIRONMENTAL IMPACT ASSESSMENT TECHNIQUES

“Assess, Mitigate, and Manage Environmental Impacts for Sustainable Development”

Schedule

Date	Venue	Fees (Face-to-Face)
13 - 14 May 2026	Doha, Qatar	USD 1995 per delegate

► Available delivery methods: Face-to-Face & Online Training

Introduction

Environmental Impact Assessment (EIA) is a critical process for identifying, predicting, and evaluating the environmental effects of development projects before they are implemented. Effective EIA practices help organizations comply with regulatory requirements, minimize environmental risks, and promote sustainable development. This intensive 2-day training provides participants with practical knowledge of EIA principles, methodologies, and best practices used in civil construction and infrastructure projects.

Participants will gain hands-on understanding of EIA techniques, impact prediction methods, mitigation planning, and environmental management measures. The program emphasizes real-world applications and regulatory compliance, enabling professionals to conduct effective environmental assessments and support environmentally responsible project decisions.

Objectives

By the end of this course, participants will be able to:

- Understand the principles and legal framework of Environmental Impact Assessment
- Identify and evaluate potential environmental impacts of construction projects
- Apply qualitative and quantitative EIA techniques
- Develop effective mitigation and environmental management plans
- Prepare and review EIA reports in line with regulatory requirements
- Integrate environmental considerations into project planning and decision-making

Why Attend

- Gain practical skills in conducting and reviewing EIAs
- Improve compliance with environmental laws and regulations
- Reduce environmental risks and project delays
- Enhance sustainability and environmental stewardship in projects
- Learn from real-world case studies and best practices

Target Audience

This program is designed for:

- Environmental engineers and environmental officers
- Civil and construction engineers
- Project managers and site managers
- Environmental consultants and planners
- Professionals involved in infrastructure, construction, and development projects

Individual Benefits

Key competencies that will be developed include:

- Knowledge of EIA principles, processes, and methodologies
- Skills in impact identification, prediction, and evaluation
- Ability to design mitigation and monitoring measures
- Competence in preparing and reviewing EIA documentation
- Improved understanding of environmental regulations and compliance
- Enhanced professional capability in sustainable project development

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved environmental compliance and reduced regulatory risks
- Effective identification and mitigation of environmental impacts
- Enhanced sustainability performance of construction projects
- Reduced project delays due to environmental issues
- Strengthened organizational reputation and environmental responsibility
- Integration of environmental management into project planning processes

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Overview of EIA principles, legal frameworks, and best practices
- Case Studies – Real-world EIA examples from construction and infrastructure projects
- Workshops – Hands-on exercises in impact identification and mitigation planning
- Peer Exchange – Group discussions on environmental challenges and solutions
- Tools – Templates for EIA checklists, impact matrices, and mitigation plans

Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Environmental Impact Assessment

Module 1: Introduction to EIA (07:30 – 09:30)

- Purpose and importance of Environmental Impact Assessment
- EIA process, stages, and stakeholders
- Regulatory frameworks and approval processes

Module 2: Impact Identification and Prediction Techniques (09:45 – 11:15)

- Screening and scoping methods
- Impact identification tools (checklists, matrices, networks)
- Impact prediction and evaluation methods

Module 3: Environmental Baseline Studies and Risk Assessment (11:30 – 01:00)

- Collecting and analyzing baseline environmental data
- Assessing environmental risks and sensitivities
- Significance evaluation of impacts

Day 2: Mitigation, Reporting, and Monitoring

Module 4: Mitigation Measures and Environmental Management Plans (07:30 – 09:30)

- Designing mitigation and control measures
- Environmental Management and Monitoring Plans (EMMP)
- Roles and responsibilities during project execution

Module 5: EIA Reporting and Review (09:45 – 11:15)

- Structure and content of EIA reports
- Review procedures and public consultation
- Common challenges and best practices

Module 6: Case Studies and Practical Workshop (11:30 – 01:00)

- Analysis of real EIA case studies
- Group exercise on preparing an EIA outline
- Lessons learned and action planning

Certification

Participants will receive a Certificate of Completion in Environmental Impact Assessment Techniques, validating their expertise in EIA principles, impact assessment methodologies, and environmental management practices for sustainable construction and development projects.

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TEL:

+601116373203

EMAIL:

info@mawaevents.net

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