



*Training Course:  
Environmental Impact Assessment (EIA) and  
Environmental Safeguards for Power and  
Transmission Projects  
17 - 28 May 2026  
Cairo (Egypt)  
Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

## Training Course: Environmental Impact Assessment (EIA) and Environmental Safeguards for Power and Transmission Projects

Training Course code: SC236478 From: 17 - 28 May 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 6300 € Euro

### Introduction

Environmental Impact Assessment EIA is a critical planning and regulatory tool used globally to evaluate the potential environmental consequences of proposed projects before implementation. In power development projects—especially transmission lines—EIA plays a vital role in minimizing environmental and social impacts while ensuring compliance with international safeguard policies.

This 10-day intensive training program equips participants with comprehensive knowledge of EIA processes, environmental risk assessment, international safeguard frameworks including World Bank and IFC standards, and practical tools for monitoring and implementation. The program focuses on real-world applications in power and transmission projects, enabling participants to effectively prepare, review, and implement EIA studies in line with global best practices.

### Objectives

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

- Understand the full EIA process and its application in power and transmission projects
- Identify and assess environmental and social impacts related to energy infrastructure
- Apply advanced EIA methodologies and analytical tools
- Understand and apply international safeguard policies World Bank ESF, IFC Performance Standards
- Design effective mitigation, monitoring, and environmental management plans
- Conduct stakeholder engagement and public consultation processes
- Ensure compliance with environmental regulations and international standards
- Prepare professional and compliant EIA reports

### Target Audience

- Environmental Specialists and Officers
- Environmentalists working in energy and infrastructure projects
- Project Managers and Planners in power sector
- Engineers involved in transmission and infrastructure development
- Regulatory and Compliance Professionals
- Government Environmental Authorities
- Environmental and Social Consultants
- HSE Managers and Officers

### Outlines

#### Day 1: Introduction to EIA in Power Projects

- Overview of EIA concepts and objectives
- EIA in power development and transmission projects

- Link to sustainable development goals
- Key stages of the EIA process
- International best practices

## Day 2: Screening, Scoping, and ToR Development

- Screening of power and transmission projects
- Scoping techniques and impact identification
- Developing Terms of Reference ToR
- Identifying sensitive receptors ecological and social

## Day 3: Baseline Studies for Power Projects

- Environmental baseline air, water, soil, biodiversity
- Transmission line-specific baseline avian impacts, land use, EMF considerations
- Data collection methods and remote sensing
- Socioeconomic baseline

## Day 4: Impact Identification and Risk Assessment

- Impact identification tools matrices, checklists
- Impacts of transmission lines habitat fragmentation, visual impact
- Direct, indirect, and cumulative impacts
- Environmental risk assessment and significance evaluation

## Day 5: Impact Prediction and Analysis

- Air and noise modeling in power projects
- Ecological impact prediction
- Social and economic impact analysis
- Limitations and uncertainty

## Day 6: Mitigation Measures and Alternatives

- Mitigation hierarchy avoid, minimize, compensate
- Transmission line mitigation route selection, bird diverters
- Analysis of project alternatives
- Cost-benefit considerations

## Day 7: Environmental Management and Monitoring

- Environmental Management Plans EMP
- Monitoring frameworks and KPIs
- Implementation and reporting
- Emergency response considerations

## Day 8: International Safeguards and Legal Frameworks

- National environmental regulations
- World Bank Environmental and Social Framework ESF
- IFC Performance Standards PS1-PS6

- Environmental compliance and permitting
- Transboundary considerations

### Day 9: Stakeholder Engagement and Consultation

- Stakeholder identification and analysis
- Public consultation techniques
- Managing grievances and conflicts
- Communication strategies

### Day 10: EIA Reporting, Review, and Case Studies

- Preparing professional EIA reports
- Review and approval processes
- Case studies on power and transmission projects
- Group workshop and presentations
- Program wrap-up

## Registration form on the Training Course: Environmental Impact Assessment (EIA) and Environmental Safeguards for Power and Transmission Projects

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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- Please find enclosed a cheque made payable to Global Horizon
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