ASIAN INSTITUTE OF TECHNOLOGY CENTER IN VIETNAM (AITVN)
Learning Center on Environmental and Social Sustainability (LC)

Course title : ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT IN POWER ENERGY PROJECTS
Time : 5 days, 9-13 April, 2018
Venue : AITVN, 45 Dinh Tien Hoang, District 1, Ho Chi Minh City

COURSE OBJECTIVE

The overall objective of the training course is to build capacity for environmental practitioners who are directly or indirectly involved in the preparation, implementation supervision and management of the Environmental and Social Impact Assessment/Environmental Management Plan (ESIA/EMP) in power energy projects. Specifically, the course aims to:

- Provide the knowledge and share the experiences on preparation, implementation and management of ESIA in power energy projects with focus on thermal power, hydro power and electricity transmission and distribution projects.
- Build the skills and capacity for staff on development of performance indicators and monitoring of ESIA implementation.
- Help the participants to recognize and establish the relationship with project stakeholders for ESIA implementation.

TARGET PARTICIPANTS

The training course is designed for:

1. Managers, Technical staff, Environment and Social staff, Project Coordinator and others of Power Energy Projects Management Units;
2. Environmental experts of power engineering consulting companies;
3. Environmental experts of related governmental agencies;

Minimum requirements for participants are basic knowledge about the EIA and reading some pre-materials before attending the training course.

TRAINING CONTENT

The 5-day training course will cover the following topics:

- WB's Project Cycle and Why Conduct ESIA?
- Principles of ESIA and Environmental and Social issues of power energy projects
- Government's and Donors' Requirements for ESIA
- Screening and Scoping of Industry-specific Environmental and Social Impacts in energy projects
- Impact analysis
- Evaluating impact significance focused on energy projects
- Cumulative impact assessment
- Mitigation and impact management in energy projects
- Environmental Monitoring Program

- Public involvement, consultation and disclosure in ESIA in energy projects
- Role of PMU and relationship with other stakeholders
- Quality control tools of ESIA

TRAINING METHODOLOGY

The training involves participatory learning approaches (PLA), application-oriented and interactive, emphasizing on group discussions and analysis of cases/case studies. The course instructors provide basic knowlege and develop problem solving approaches with participants using facilitation techniques. Participants are encouraged to raise their ideas and issues related to the course topics, then brain-storm or discuss with other participants and facilitators to develop potential solutions as well as draw upon lessons learned.

Good text books, literatures, studies and reliable sources of information about EIA/ESIA will be introduced.

TRAINING TEAM

The course is designed and delivered by leading Environmental and Energy Experts from the Asian Institute of Technology (AIT) and the U.S. Environmental Protection Agency.

Prof. Nguyen Thi Kim Oanh, Team Leader

Jeanne Geselbracht, Co-facilitator

Jeanne has been working as an EIS Reviewer, Environmental Scientist for the U.S. Environmental Protection Agency, Region 9, San Francisco since 1990. She has 25 years of experience reviewing EISs prepared pursuant to the National Environmental Policy Act, expertise in EIS review of hard rock mines, quarries, and coal mines, and broad experience reviewing programmatic land management EISs and project- specific EISs for most types of federal projects, as well as Environmental Impact Reports prepared pursuant to the California Environmental Quality Act.

Jeanne has delivered EPA's Principles of EIA Review course training in Guatemala and Costa Rica under our Central America-Dominican Republic Free Trade Agreement (CAFTA-DR) program, as well as in Guam and Palau under Region 9 Pacific Island programs. She has also conducted "Train the Trainer" in Guam and Costa Rica as a supplement to the Principles of EIA Review course.

She helped prepare for and facilitate the CAFTA-DR Mining Sector regional expert meetings in Guatemala, Nicaragua, and Dominican Republic, and helped edit drafts of the EIA Technical Review Guideline for Non-Metal and Metal Mining, which was informed by those meetings.

She has reviewed EIAs from Mexico, Ghana, Palau, Costa Rica, Guatemala, Nicaragua, and Dominican Republic.

Hanh Shaw, Co-facilitator

Hanh Shaw has been working for the U.S. Environmental Protection Agency, Region 10 at different positions for amost 15 years. She was the Project Manager Office, then Senior Permit Writer, and after that Project Leader of of Water & Watersheds, U.S.EPA.

Since May 2012 she has been the Program Manager of the Oil, Gas and Energy Sector, Alaska Operations Office, U.S.EPA.

Hanh has rich experience in organization and delivery of training courses. She organized multiple Oil & Gas Drilling 101 training sessions for state and federal employees in Seattle and Anchorage, 2010; provided National Environmental Policy Act (NEPA) training for Region 10 programs, including the Oil, Gas, and Energy Sector, 2007-2009; and conducted NEPA and environmental cross-cutting laws training for EPA and state agencies, 2009.

Julie Ann Smith, Energy Expert

Julie Ann Smith is an Electricity Policy Analyst with the U.S. Department of Energy's Office of Electricity Delivery and Energy Reliability, and has worked in the environmental policy, review and infrastructure permitting arena for nearly 20 years. Previously she served as acting NEPA Compliance Officer for DOE's nuclear waste management program, as well as an Environmental Protection Specialist in the DOE Office of NEPA Policy and Compliance and at the Federal Transit Administration. Julie represented DOE on the Rapid Response Team for Transmission (2013-2016), and currently acts as a NEPA project manager for DOE's Presidential permit program decision regarding international electric power transmission lines. Julie also provides internal training to DOE staff in environmental and cultural resource review process and methods for electric power systems infrastructure. Julie has her doctoral degree and M.A. in Political Science (Environmental Policy) and her Bachelor of Science in Environmental Chemistry.

KEY PROGRAM FEATURES

Times & dates **:** 5 days; Morning: 8:30 - 12:00 am; Afternoon: 1:30 - 17:00 pm.

Training venue **:** AITVN, HCM office, 45 Dinh Tien Hoang St., Dist. 1, Ho Chi Minh City

Tuition fee : Free

Logistic fee : $250 which includes training materials and related stationaries, refreshment and lunches. The air-ticket, transportation, accommodation and per diem are at participant's charge.

Registration **:** Before 04 March, 2018

Contact person **:** Please send your registration to Ms. Diep at: diep@aitcv.ac.vn or call her at: +84 936262684

COURSE SCHEDULE

Day	Time	Content
Day 1		
Mon	8:00-8:30	Registration and reception
	8:30-8:45	**Opening ceremony** - Welcome remarks - Introduction of the facilitating team and staff - Ground Rules
	8:45-9:15	**Participants' introductions**
	9:15-9:30	**Review of the Agenda, Modules and Materials** **Course Objectives and contents** - Q&A
	9:30-10:00	**Project Cycles of ADB and WB** - ESIA in a project cycle; - **Project cycles of the energy projects and ESIA concerns.**
	10:00-10:15	**Coffee break**
	10:15-11:00	**Principles of ESIA and Environmental and Social issues of power energy projects** Principles of ESIA - Nature and extent of environmental and social issues and impacts – subject matter - Types of energy projects (hydro power, thermal power, wind energy, geothermal, power substation, transmission and distribution projects) and environmental and social considerations of each type.
	11:00-12:00	**WB and ADB ESIA Requirements;** **IFC policy on environmental and social sustainability** **Vietnamese regulations on ESIA with focus on energy projects (2014)**
	12:00-13:30	- Lunch break
	13:30-14:30	**Group exercise 1** - Sharing experiences of PMUs/participants on how to handle all requirements from Donors and Government
	14:30-15:15	**Screening and Scoping of Industry-specific Environmental and Social Impacts in energy projects** - Screening procedure - Gaps and differences between government's and donor's screening procedures - Scoping: approaches and methods - Gaps and differences between government's and donor's scoping procedures
	15:15-15:30	**Coffee break**

	15:30-16:45	**Group exercise 2** - Group Exercise on screening and scoping in thermal power, hydropower and power transmission and distribution projects, wind and solar energy projects (25 min.) - Presentation of Group work results (30 min.) - Comments (5 min.)
	16:45-17:00	Wrap-up and evaluation of Day 1 Provide the reading materials for Day 2 (project description + baselines) for each case study.
Tue	8:30-8:45	Summary of Day 1 and Questions & Answers
	8:45-9:15	Discussion on: - the purpose and need of the project; and - the importance of understanding the environmental setting in the ESIA process
	9:15-10:00	**Impact analysis** - Impact identification - Methodologies for impact analysis and prediction - Environmental Health and Safety Guidelines (EHSG) for energy projects
	10:00-10:15	**Coffee break** **(Deliver the reading materials of impact analysis)**
	10:15-11:15	**Group exercise 3: Impact analysis for case studies** (in thermal power, hydropower and power transmission and distribution projects, wind and solar energy projects) - ESIA checklist review on 2 components on environmental baseline and impacts analysis - Use the Environmental and Social Management Framework (ESMP) checklist
	11:15-12:00	**Group presentations**
	12:30-13:30	**Lunch break**
	13:30-14:15	**Evaluating impact significance focused on energy projects** - Evaluation of impact significance including impact significance criteria - Methodologies
	14:15-15:00	**Group exercise 4** - Evaluation of Environmental impacts significance in case studies - Group presentations
	15:00-15:15	**Coffee break**
	15:15-16:00	**Social Impacts of energy projects** - What are social impacts? - Energy-specific social impacts in energy projects

		- Examples of industry-specific social impacts in energy projects and their assessment approaches
	16:00-16:45	**Group exercise 5** - Discussion on Social Impacts in the case studies
	16:45-17:00	**Wrap-up and evaluation of Day 2** **(deliver the reading materials on public consultation)**
Wed	8:30-8:45	Summary of Day 2 and Questions & Answers
	8:45-9:30	**Cumulative impact assessment in energy projects** - Introduction to cumulative impact assessment - Cumulative impacts in energy projects
	9:30-10:30	**Mitigation and impact management in energy projects** - Linkage between ESIA process and mitigation - Environmental Management Plan
	10:30-10:45	**Coffee break**
	10:45-12:00	**Group Exercise 6** Review and Critique an EMP of hydropower/thermal/transmission and distribution plants
	12:00-13:30	**Lunch break**
	13:30-14:15	**Public involvement, consultation and disclosure in ESIA** - Meaningful Public consultation of ESIA - Disclosure of Information - Issues and challenges - Case Study
	14:15-15:00	**Group Exercise 7** - Obtacles to participation and consultation Recommendation on solutions and approaches
	15:00-15:15	**Coffee break**
	15:15-16:30	**Quality controls in ESIA** - Planning (TORs development for ESIA) - ESIA preparation, EMP preparation - ESIA review - ESIA supervision - Monitoring the ESIA process in implementation through the EMP during construction, operation and maintenance phase or post ESIA. - Project documentation and information management (Communication and reporting system)
	16:30-17:00	**Brief introduction of the field visit** - Objectives and expectations - Requirements during and after the field trip - Grouping
Thu	8:00-17:00	Field visit to energy power projects

Fri	8:30-9:15	**Roles of PMUs and their relationship with Stakeholders** - Key factors in successfull ESIA and EMP; - Institutional arrangement to carry out EMP and Environmental Monitoring Plan - Institutional strengthening plan - Schedule and supervise the construction works - Approaches to manage and supervise the construction works
	9:15-10:00	**Group exercise 8** - Draw the road map for information flow and point out the risk and weakness - Draw the institutional arangement of PMU for project management and discuss about role of individuals, advantages and disadvantages.
	10:00-10:15	**Coffee break**
	10:15-12:00	Group work: Prepare a presentation on the fact findings, recommendations and lessons learned
	12:00-13:30	**Lunch break**
	13:30-14:30	Presentation of group's observations and findings from the field visits
	14:30-15:15	Experience sharing
	15:15-15:30	**Coffee break**
	15:30-16:15	Wrap-up
	16:15-16:45	Closing and certificate award