Environmental Impact Assessment Process in CAMBODIA

Prepared by: DUONG SAMKEAT
Environmental Impact Assessment Dept.
Ministry of Environment
BACKGROUND

- Department of Environmental Impact Assessment and Monitoring consists 5 offices:
  - 1. Project Review Office
  - 2. Monitoring Office
  - 3. Planning and Statistic Office
  - 4. Disputed Legislative and International Cooperation Office
  - 5. Administrative Office
What is an Environmental Impact Assessment (EIA)?

- EIA is a process for analyzing the potential environmental effects of a proposal project
- To maximize/ensure positive effects
- To minimize/prevent negative effects
Objectives of an EIA

- Environmental effects considered before decisions are made
- Promote sustainable development
- Prevent adverse environmental effects from the activities of the projects
- Provide opportunity for public participation in EIA Process
General Principles of EIA

An EIA will:
- Identify impacts
- Provide alternatives to the proposed project
- Communicate information to stakeholders
- Make recommendation
- Advise decision makers
LEGISLATION on EIA (1/5)

- Law on Environmental Protection and Natural Resource Management (11 Chapters, 27 Articles, Approved 24 December 1996)

- Chapter 3: Environmental Impact Assessment
LEGISLATION on EIA (2/5)

- In Article 6 and 7:
  - EIA shall be done on every private and public projects
  - EIA shall be reviewed and evaluated by MoE before being submitted to the RGC for decision
  - EIA process shall be determined by Sub-decree following a proposal of the MoE
LEGISLATION on EIA (3/5)

- Sub-decree on EIA Process (8 Chapters, 34 Articles, and an annex, Approved on 11 August 1999)

- Chapter 1 : General provisions

- Chapter 2 : Institutional Responsibilities
LEGISLATION on EIA (4/5)

- Chapter 3: EIA for the proposed projects
- Chapter 4: EIA Examination Procedure for the Proposed Projects
- Chapter 5: EIA Examination Procedure for the Existing Activities
LEGISLATION on EIA (5/5)

- Chapter 6: Condition for Approving the Projects
- Chapter 7: Penalties
- Chapter 8: Final Provisions
EIA Process in Cambodia

PO Submits IEIA & EIA Report To MoE

PO Revises IEIA report or Prepare EIA Report

IEIA Report Needs Revision

MoE Reviews IEIA or EIA Report

IEIA or EIA Report Consents

MoE Approve EIA Report

PO Project Owner
IA Investment Application
CDC Council for Development in Cambodia

CDC

IA Consents

IA need Revision

PO Revises IA & EIA Report

PO Submits IA to CDC & Submits Revised IEIA or EIA Report to MoE

PO Revises IA & EIA Report

Royal Government Or CDC Approval

PO Implements Project & EMP
General IEIA/IEE or EIA Guidelines (1/2)

- Introduction
- Project Summary
- Purpose of the Project
- Project Description
- Description of the Existing Environmental Conditions
- Public Participation
- Environmental Impact Assessment
General IEIA/IEE or EIA Guidelines (2/2)

- Environmental Management Plan
- Conclusion and Suggestions
- References
Roles Responsibility of MoE

- Normally, the Project’s Owner prepare IEE or EIA Reports
- Review and comment on IEE/EIA Reports by MoE collaborate with other line Ministries/Institutions
- Approve or reject a project
- Monitor project implementation
Roles of Stakeholders in EIA Process

- These people can include:
  - Other Gvt Agencies
  - Representatives from the local communities
  - NGOs
- Can provide important information about aspects of the project/environment
- Identify the most important issues.
Projects that require IEE/EIA (1/10)

Annex of Sub-decree No 72 ANRK.BK. Date 11, August 1999

- **Industry**
  - I. Foods, Drinks, Tobacco
  - II. Leather tanning, Garment and Textile
  - III. Wooden production
  - IV. Paper
  - V. Plastic, Rubber and Chemical
  - VI. Mining production other than metal
  - VII. Metal industries
  - VIII. Metal Processing Industrials
  - IX. Other Industries
Projects that require IEE/EIA (2/10)
Annex of Sub-decree No 72 ANRK.BK. Date 11, August 1999

- **Foods, Drink, Tobacco**
  - Food processing and caned > 500 tons/year
  - All fruits drinks manufacturing > 1.500 Liters/day
  - Fruit manufacturing > 500 tons/year
  - Orange juice manufacturing > All sizes
  - Wine manufacturing > All sizes
  - Alcohol and Beer brewery > All sizes
  - Water supply > 10,000 users
  - Tobacco manufacturing > 10,000 boxes/day
  - Tobacco leave processing > 350 tons/year
  - Sugar refinery > 3,000 tons/year
  - Rice mill and cereal grains > 3,000 tons/year
  - Fish, soy bean, chili, tomato sources > 500,000 liters/year
Projects that require IEE/EIA (3/10)
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- **Leather tanning, Garment and Textile**
  - Textile and dyeing factory > All sizes
  - Garment, Washing, Printing, dyeing > All sizes
  - Leather tanning and glue > All sizes
  - Sponge rubber factory > All sizes

- **Wooden production**
  - Plywood > 100,000 m³/day
  - Artificial wood > 1,000 m³/year
  - Saw mill > 50,000 m³/year
## Projects that require IEE/EIA (4/10)

### Annex of Sub-decree No 72 ANRK.BK. Date 11, August 1999

### Paper
- Paper factory: All sizes
- Pulp and paper processing: All sizes

### Plastic, Rubber and Chemical
- Plastic factory: > All sizes
- Tire factory: > 500 tons/year
- Rubber factory: > 1.000 tons/year
- Battery industry: All sizes
- Chemical production industries: All sizes
- Chemical fertilizer plants: > 10.000 tons/year
- Pesticide industry: All sizes
- Painting manufacturing: All sizes
- Fuel chemical: All sizes
- Liquid, powder, solid soaps manufacturing: All sizes
Projects that require IEE/EIA (5/10)
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- Mining production other than metal
  - Cement industry
  - Oil refinery
  - Gas factory
  - Construction of oil and gas pipeline > 2 Kilometers
  - Oil & gas separation, storage facilities > 1.000.000 liters
  - Fuel station > 20.000 liters
  - Mining
  - Glass and bottle factory
  - Bricks, roofing tile manufacturing > 150.000 pieces/month
  - Flooring tile manufacturing > 90.000 pieces/month
  - Calcium carbide plants
  - Producing of construction materials > 900 tons/month
  - Cow oil and motor oil manufacturing
  - Petroleum study research

All sizes
All sizes
All sizes
> 2 Kilometers
> 1.000.000 liters
> 20.000 liters
All sizes
All sizes
> 150.000 pieces/month
> 90.000 pieces/month
All sizes
All sizes
Projects that require IEE/EIA (6/10)
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- **Metal industries**
  - Mechanical industries
  - Mechanical storage factory
  - Mechanical and shipyard enterprise

- **Metal processing industries**
  - Manufacturing of harms, barbed wires, nets
  - Steel mill, Irons, Aluminum
  - All kind of smelting

All sizes

> 300 tons/month
Projects that require IEE/EIA (7/10)
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- **Other industries**
  - Waste processing, burning: All sizes
  - Waste water treatment plants: All sizes
  - Power Plants: > 5 MW
  - Hydropower: > 1 MW
  - Cotton manufacturing: > 15 tons/month
  - Animal’s food processing: > 10,000 tons/year
Projects that require IEE/EIA (8/10)
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Agriculture
- Concession forest > 10,000 ha
- Logging > 500 ha
- Land covered by forest > 500 ha
- Agriculture & agro-industrial land > 10,000 ha
- Flooded and coastal forests All sizes
- Irrigation systems > 5,000 ha
- Drainage systems > 5,000 ha
- Fishing ports All sizes
Projects that require IEE/EIA (9/10)
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- Tourism
  - Tourism areas > 50 ha
  - Golf field > 18 holes
Projects that require IEE/EIA (10/10)

Annex of Sub-decree No 72 ANRK.BK. Date 11, August 1999

- **Infrastructure**
  - Urbanization development: All sizes
  - Industrial zones: All sizes
  - Construction of bridge-roads: > 30 tons-weight
  - Building: Height > 12m. or floor > 8.000 m²
  - Restaurants: > 500 seats
  - Hotels: > 60 rooms
  - Hotel adjacent to coastal area: > 40 rooms
  - National road construction: > 100 kilometers
  - Railway construction: All sizes
  - Port construction: All sizes
  - Airport construction: All sizes
  - Dredging: > 50.000 m³
  - Dumping site: > 200.000 people
Thank You