



Environmental Impact Assessment Process in CAMBODIA

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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





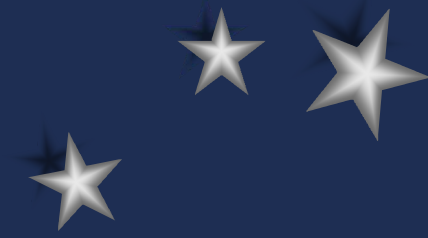
What is an Environmental Impact Assessment (EIA)?

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





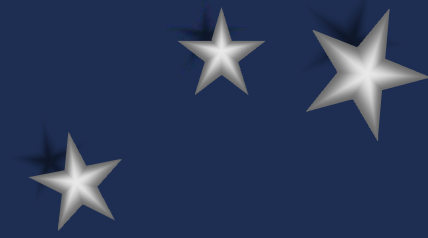
Objectives of an EIA

- 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
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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



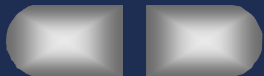
LEGISLATION on EIA (4/5)

- 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



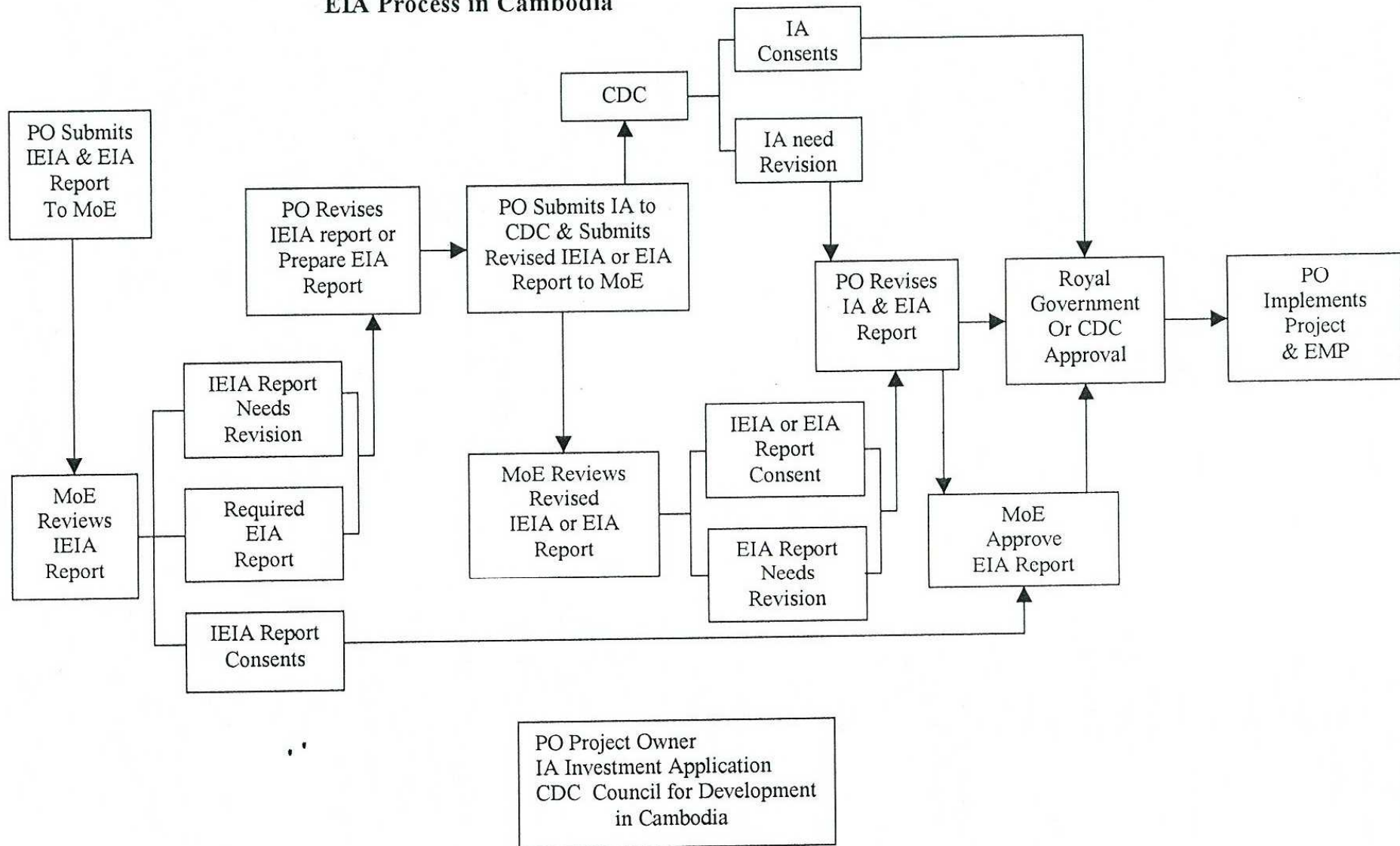
LEGISLATION on EIA (5/5)

- Chapter 6 : Condition for Approving the Projects
- Chapter 7 : Penalties
- Chapter 8 : Final Provisions



EIA Process in Cambodia

EIA Process in Cambodia



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)

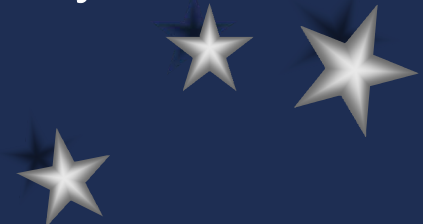
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- **Leather tanning, Garment and Textile**

- 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)

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

● Mining production other than metal

- | | |
|--|------------------------|
| – Cement industry | All sizes |
| – Oil refinery | All sizes |
| – Gas factory | All sizes |
| – Construction of oil and gas pipeline | > 2 Kilometers |
| – Oil & gas separation, storage facilities | > 1.000.000 liters |
| – Fuel station | > 20.000 liters |
| – Mining | All sizes |
| – Glass and bottle factory | All sizes |
| – Bricks, roofing tile manufacturing | > 150.000 pieces/month |
| – Flooring tile manufacturing | > 90.000 pieces/month |
| – Calcium carbide plants | All sizes |
| – Producing of construction materials | > 900 tons/month |
| – Cow oil and motor oil manufacturing | All sizes |
| – Petroleum study research | All sizes |



Projects that require IEE/EIA (6/10)

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

- **Metal industries**

- Mechanical industries All sizes
- Mechanical storage factory All sizes
- Mechanical and shipyard enterprise All sizes

- **Metal processing industries**

- Manufacturing of harms, barbed wires, nets > 300 tons/month
- Steel mill, Irons, Aluminum All sizes
- All kind of smelting All sizes



Projects that require IEE/EIA (7/10)

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

- 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)

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

● 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

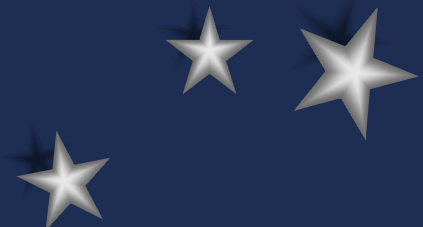


Projects that require IEE/EIA (10/10)

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● Infrastructure

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|----------------------------------|--|
| – Urbanization development | All sizes |
| – Industrial zones | All sizes |
| – Construction of bridge-roads | > 30 tons-weight |
| – Building | Height > 12m. or floor > 8.000m ² |
| – 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 m ³ |
| – Dumping site | > 200.000 people |



Thank You

