



# Environmental Impact Assessment Process in CAMBODIA

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# BACKGROUND

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- 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
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# 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)

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- 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)

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- 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)

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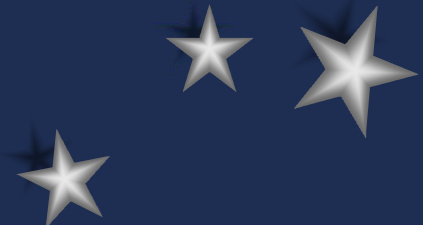
- Sub-decree on EIA Process (8 Chapters, 34 Articles, and an annex, Approved on 11 August 1999)
- Chapter 1 : General provisions
- Chapter 2 : Institutional Responsibilities



# LEGISLATION on EIA (4/5)

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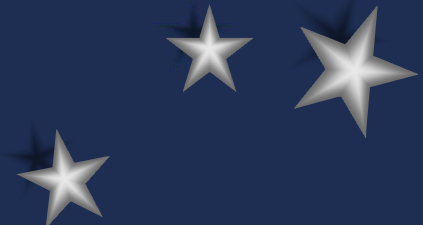
- Chapter 3 : EIA for the proposed projects
- Chapter 4 : EIA Examination Procedure for the Proposed Projects
- Chapter 5 : EIA Examination Procedure for the Existing Activities



# LEGISLATION on EIA (5/5)

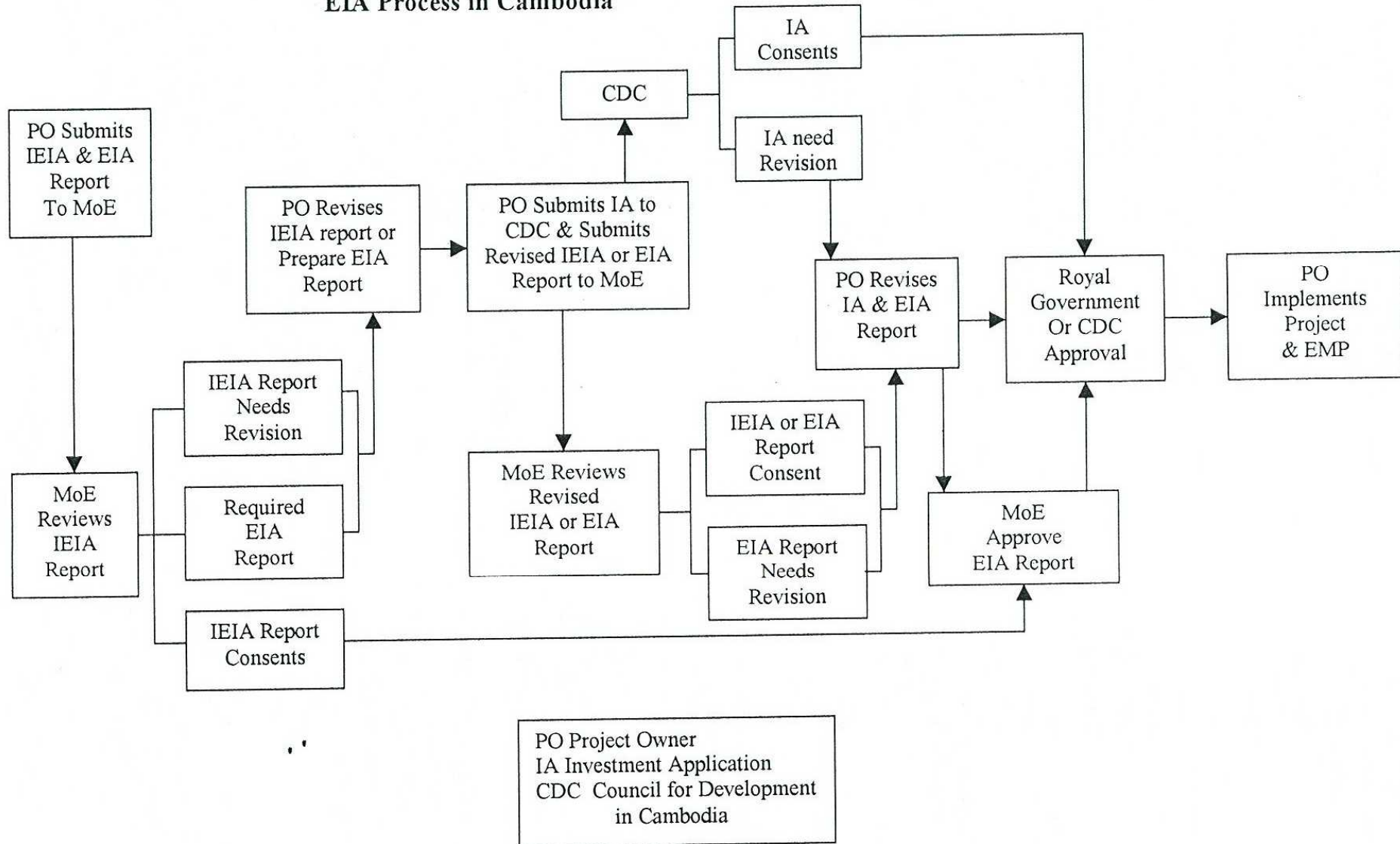
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- Chapter 6 : Condition for Approving the Projects
- Chapter 7 : Penalties
- Chapter 8 : Final Provisions



# EIA Process in Cambodia

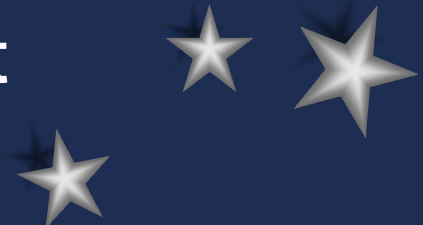
EIA Process in Cambodia



# General IEIA/IEE or EIA Guidelines (1/2)

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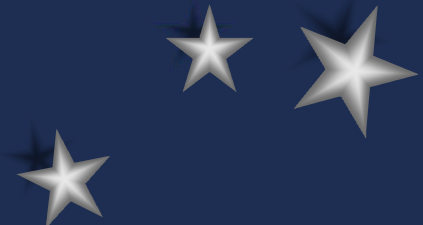
- Introduction
- Project Summary
- Purpose of the Project
- Project Description
- Description of the Existing Environmental Conditions
- Public Participation
- Environmental Impact Assessment



# General IEIA/IEE or EIA Guidelines (2/2)

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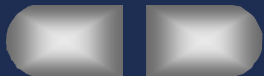
- Environmental Management Plan
- Conclusion and Suggestions
- References



# Roles Responsibility of MoE

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- 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

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- 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.



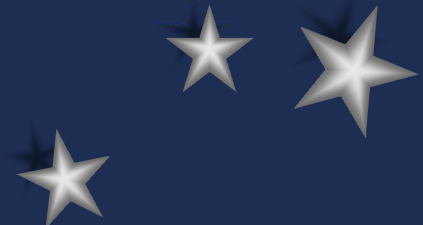
# Projects that require IEE/EIA (1/10)

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

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- **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)

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

## ● 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 m<sup>3</sup>/day
- Artificial wood > 1.000 m<sup>3</sup>/year
- Saw mill > 50.000 m<sup>3</sup>/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

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|--|------------------------|
| – 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

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## ● 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

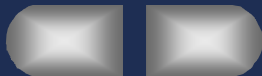


# Projects that require IEE/EIA (7/10)

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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)

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



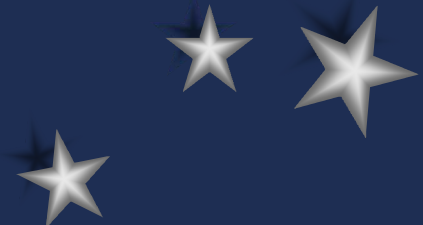
# Projects that require IEE/EIA (9/10)

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- **Tourism**

- Tourism areas > 50 ha
- Golf field > 18 holes

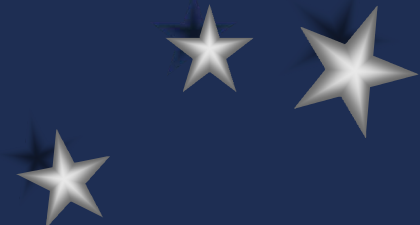


# Projects that require IEE/EIA (10/10)

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 > 8.000m<sup>2</sup>
- 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<sup>3</sup>
- Dumping site > 200.000 people



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# Thank You

