

Environmental considerations

Contents

- What are environments?
- Why environmental considerations?
- Where?
- Criteria for environmental considerations
- Need EIA?

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What are environments? (1/1)

- Social environment
 - Ethnic minorities
 - Land utilization
 - Water utilization
- Natural environment
 - Ecosystem (protected areas)
 - Species

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Why environmental considerations? (1/3)

- Development may cause significant negative impacts on social and natural environments.
↓
- These impacts should be avoided and mitigated as much as possible.

Why environmental considerations? (2/3)

- Through environmental considerations,

Valuable resources can be saved.

1. Human resources
2. Natural resources
3. Financial resources
4. Time

Why environmental considerations? (3/3)

- Considerations on other alternatives

1. Other sources of power generation
2. Import of electricity from other countries
3. Best mix of power sources
4. Public awareness

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Where? (1/4)

- Affected areas

1. Site
2. Upstream
3. Downstream

Where? (2/4)



Site

- Impairment of navigation
- Effects on scenic value
- Effects on migration of fish species

Where? (3/4)



Upstream

- Resettlement
- Effects on important ecosystems
- Effects on watershed

Where? (4/4)



Downstream

- Land utilization and water utilization
- Effects on important ecosystems
- Effects on sedimentation balance

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Criteria for environmental considerations (1/3)

- Guidelines

1. Japan International Cooperation Agency
2. Asian Development Bank
3. Japan Bank for International Cooperation
4. World Bank

Criteria for environmental considerations (2/3)

- Social environment

1. Villages
2. Historical and cultural heritages

Criteria for environmental considerations (3/3)

- Natural environment

1. Existing protected areas
2. Proposed protected areas
3. Important ecosystems such as wetlands
4. Critical habitats of endangered fauna and flora

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Need EIA?

- YES!

Based on the environmental considerations by this project, an EIA (Environmental Impact Assessment) at each site will be conducted.



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Session V

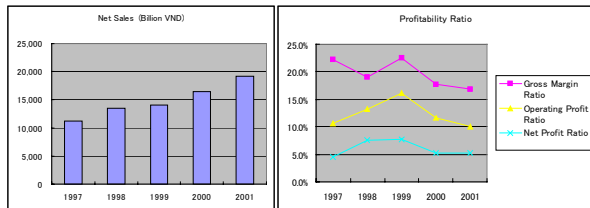
Financial study

Approach for financial study

- Major financial statistics of EVN
 - Profitability
 - Financial stability
 - Cash flow activities

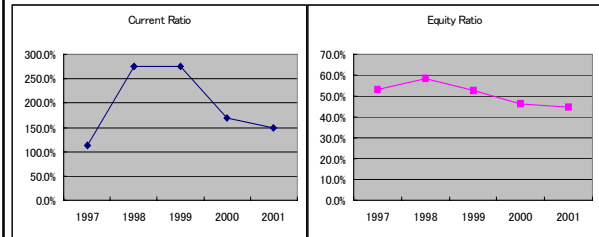
Major financial statistics

- Past Profitability : Generally stable



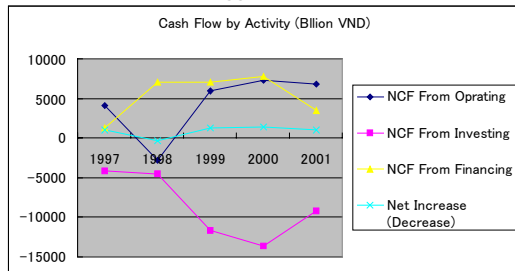
Major financial statistics

- Past financial stability : Generally stable



Major financial statistics

- Past cash flow : Aggressive investment



Approach for financial study

- Major financial statistics of EVN
 - Profitability
 - Financial stability
 - Cash flow activities

Approach for financial study

■ Needs of the financial Study

- Financial characteristics of EVN
- Financial feasibility
 - ✓ By Project
 - ✓ EVN as a whole

Approach for financial study

■ Study items

- Financial situation of EVN
- Financial impact of the master plan
- Fund raising methods
- Financial analysis on the projects

Study items No.1

■ Financial situation of EVN

- Past financial performance
- The financial prospects of EVN
 - ✓ Profitability,
 - ✓ Financial stability,
 - ✓ Cash flow

Study items No.2

■ Financial impact of the master plan

- Financial simulation
- Comparison with EVN's financial plan

Study items No.3

■ Fund raising methods

- EVN's self finance capability
- Discussion with financial institutions

Study items No.4

■ Financial analysis of projects

- Financial evaluation of the project to be selected
- Preparing the suitable financing plan

添付資料 10-3-1

第 2 回ワークショップ議事次第

AGENDA FOR THE 2nd WORKSHOP
ON THE MASTER PLAN STUDY ON PUMPED STORAGE POWER PROJECT
AND OPTIMIZATION FOR PEAKING POWER GENERATION

Venue: Fuji A, 2nd floor, Hotel NIKKO HANOI
7 August, Thursday

<i>Time</i>	<i>Content/Activity</i>	<i>Person</i>
8:45 ÷ 9:00	Register for participants	
9:00 ÷ 9:05	- Introducing participants	Sonla PMB
9:05 ÷ 9:15	- Welcome address by EVN - Welcome address by JICA Study Team	Mr. Lam Du Son, Vice General Director of EVN Mr. Masayuki ITO
9:15 ÷ 10:15	- Preliminary optimization study on peaking power generation	Mr. Yasuhiro YOKOSAWA Mr. Masaharu YOGO
10:15 ÷ 10:30	Tea break	
10:30 ÷ 11:00	- Power sources development scenarios	Mr. Yasuhiro YOKOSAWA
11:00 ÷ 11:30	Q & A	Study Team members
11:30 ÷ 13:00	Lunch (at the hotel)	Participants
13:00 ÷ 14:00	- Feasibility of peaking power <ul style="list-style-type: none"> • Project finding process of PSPP • Study on existing power facilities 	Mr. Hitoshi FURUKOSHI
14:00 ÷ 14:15	Tea break	
14:15 ÷ 15:00	- Environmental considerations	Mr. Shunji USUI
15:00 ÷ 15:30	Q & A	Study Team members
15:30 ÷ 15:45	- Next Steps	Mr. Masayuki ITO
15:45 ÷ 16:00	- Closing remarks	Mr. Luu The Bieu,

Hay
