

環境レビュー結果

- (1) 照会番号
13-076
- (2) プロジェクト名
水力発電所建設
- (3) 実施場所
ベトナム ハザン省
- (4) プロジェクト概要
水力発電所建設
- (5) カテゴリ分類
カテゴリ A
- (6) カテゴリ分類の根拠
環境ガイドラインに示される大規模な水力発電・ダム・貯水池セクターに該当するため。
- (7) 環境許認可
ベトナムの環境関係制度に基づき、環境影響評価報告書が作成され、2012 年 8 月に天然資源環境省から承認を得た。
- (8) 汚染対策
貯水地に流入した水は、平均 1 日で入れ換わる。流入時及び放流時、貯水池の水質への影響は最小限と予想される。建設期間中の汚染対策も適切に講じられ、表層水に特段の問題は予見されない。
- (9) 自然環境面
サイト周辺には、原生林、自然保護区、貴重種の生息地域は含まれていない。貯水地への土砂流入を防止するため、周辺地域の植林も計画されている。土砂の堆積や水質汚染が周辺環境に与える影響は最小限と見られる。

(10) 社会配慮面

本プロジェクトで必要とされる非自発的住民移転は 6 世帯である。地方政府や人民委員会が、移転計画の説明し、家屋移築や農業に関する金銭補償を実施している。適切な社会配慮が実施されている。

(11) 適用国際基準

World Bank Safeguard Policies

(12) その他（モニタリング等）

大気、水質、騒音に関するモニタリングが実施され、環境当局に提出される予定である。

以上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Bac Me District, Ha Giang province, Vietnam

Q2. Please provide brief explanation of the project.

The project is located on Gam river with installed capacity of 45MW (2 * 22.5MW). This hydropower project is regulating reservoir type and water will be retained in regulating pond daily basis. . Main items of project include Dam, Spillway, Intake gate and Powerhouse. Total construction schedule is 3.5 years from commencement date.

Q3. Will NEXI insurance be applied to a new project or an executing project? In case of an executing project, please inform of strong claims by stakeholders such as local residents, as well as improvement guidance or cessation orders for construction work / operations, from environmental authorities.

- | | |
|---|--|
| <input checked="" type="checkbox"/> New Project | <input type="checkbox"/> Executing Project (with Claim etc.) |
| <input type="checkbox"/> Executing Project (without Claim etc.) | <input type="checkbox"/> Others (Please specify) |

Q4. In case of this project, is it necessary to execute Environmental Impact Assessment (EIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of EIA.

- | | |
|--|---|
| <input checked="" type="checkbox"/> Required (Completed) | <input type="checkbox"/> Required (Under execution or under planning) |
| <input type="checkbox"/> Not Required | <input type="checkbox"/> Others (Please specify) |

Q5. In case that EIA is already completed, please inform whether EIA report is already approved based on the environmental assessment system of the country where the project is to be implemented or not. If EIA report is already approved, please provide the date and name of authorities of the approval.

- | | |
|--|---|
| <input checked="" type="checkbox"/> Approved (without condition) | <input type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input type="checkbox"/> Others (Please specify) |

Date of Approval: 07th August 2012

Name of Authorities: Ministry of Natural Resource and Environment (MONRE)

Q6. If environmental permit(s) other than EIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

- | | |
|--|---|
| <input type="checkbox"/> Obtained | <input type="checkbox"/> Required, but not obtained yet |
| <input checked="" type="checkbox"/> Not required | <input type="checkbox"/> Others (Please specify) |

Name(s) of required permit(s): _____

Q7. Will the insurance be used for the undertaking that cannot specify the project at this stage (e.g. export or lease of machinery that has no relation with specific project, or Two Step Loan that cannot specify the project at the time of loan agreement)?

(Yes / No: No)

If you answered "Yes", it is not necessary to reply to the following questions.

If you answered "No", please reply to the following questions.

Q8. Are there any environmentally sensitive area(s) shown below in and around project site(s)?

(Yes / No: No)

If you answered “Yes”, please select applicable items by marking, and reply to following questions.

If you answered “No”, please reply to questions 9 and after.

- ☐ (1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)
- ☐ (2) Primeval forests, tropical natural forests
- ☐ (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)
- ☐ (4) Habitats of endangered species of which protection is required under local laws and international agreements.
- ☐ (5) Areas that have risks of large scale increase in soil salinity or soil erosion
- ☐ (6) Desertification areas
- ☐ (7) Areas with special values from archaeological, historical and/or cultural viewpoints
- ☐ (8) Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value

Q9. Does the project involve following characteristics?

(Yes / No: Yes)

If you answered “Yes”, please describe the scale of applicable characteristics, and reply to the questions 10 and after.

If you answered “No”, please reply to questions 11 and after.

- ☒ (1) Involuntary resettlement (Number of resettlers: 6 households)
- ☐ (2) Pumping of groundwater (Scale: m³/year)
- ☐ (3) Land reclamation, development and/or clearing (Scale: ha)
- ☐ (4) Deforestation (Scale: ha)

Q10. Under the environmental impact assessment system of the country where the project is to be implemented, do the applicable characteristics from (1) – (4) above and their scale serve as basis for executing an EIA for the project?

- ☐ They do ☐ They do not
- ☐ Others (Please specify)

Q11. Will the value insured by NEXI in the export, loan or investment project be equal or less than 5% of the total project cost, or equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount)

(Yes / No: No)

If you answered “Yes”, it is not necessary to reply to the following questions.

If you answered “No”, please reply to questions 12 and after.

Q12. Does the project belong to either of the sectors that impact on the environment is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary renovation project, acquisition of rights or interests without additional capital investment)?

(Yes / No: No)

If you answered “Yes”, it is not necessary to reply to following questions.

If you answered “No”, please reply to the questions 13 and after.

Q13. Does the project belong to the following sectors?

(Yes / No: Yes)

If you answered “Yes”, please specify the sector by marking, and reply to questions 14 and after.

If you answered “No”, it is not necessary to reply to the following questions.

- ☐ (1) Mining
- ☐ (2) Oil and natural gas development
- ☐ (3) Pipelines
- ☐ (4) Iron and steel (projects that include large furnaces)
- ☐ (5) Non-ferrous metals smelting and refining
- ☐ (6) Petrochemicals (manufacture of raw materials; including complexes)
- ☐ (7) Petroleum refining
- ☐ (8) Oil, gas and chemical terminals
- ☐ (9) Paper and pulp
- ☐ (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- ☐ (11) Thermal power
- ☐ (12) Nuclear power
- ☒ (13) Hydro power, dams and reservoirs
- ☐ (14) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- ☐ (15) Roads, railways and bridges
- ☐ (16) Airports
- ☐ (17) Ports and harbors
- ☐ (18) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- ☐ (19) Waste management and disposal
- ☐ (20) Agriculture involving large-scale land clearing or irrigation
- ☐ (21) Forestry
- ☐ (22) Tourism (Construction of hotel, etc.)

Q14. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, please explain whether an execution of EIA is required on account of the large scale of the project in the country where the project is implemented.

Project location: Phu Nam and Yen Phong commune, Bac Me district, Ha Giang Province

Installed capacity: $2 * 22.5 \text{ MW} = 45.0 \text{ MW}$

Annual energy output: 190.4 GWh

Land occupation area for main construction: 20.2 ha

- Effective capacity of reservoir: 3,379,000m³

- Dam's height (highest point): 36m