

2013 年 8 月 20 日
独立行政法人 日本貿易保険

環境レビュー結果

- (1) 照会番号
1 1 - 0 2 6
- (2) プロジェクト名
水力発電所建設プロジェクト
- (3) 実施場所
ベトナム ゲーアン省
- (4) プロジェクト概要
水力発電所建設プロジェクト
- (5) カテゴリ分類
カテゴリ A
- (6) カテゴリ分類の根拠
本プロジェクトは、環境ガイドラインに示される大規模な水力発電、ダム、貯水地セクターに該当し、影響を受けやすい地域（少数民族の生活区域）を伴うため。
- (7) 環境許認可
現地国環境関係制度に基づき環境影響評価報告書が作成され、ゲーアン省人民委員会に提出され、2010 年 11 月に同人民委員会より許認可を取得済である。
- (8) 汚染対策
本プロジェクトは、貯水池の水質悪化防止のために、湛水前に貯水池内にある樹木等の伐採を行う計画であり、また、特に水質汚染の要因となるような活動も行われないため、プロジェクトにより表流水の水質が悪化することはない。
- (9) 自然環境面
プロジェクトサイト内の自然林は、政府から地元住民が利用できるよう解放された森林である。また、緩衝地帯をはさみ周辺にある最も近い保護区からの距離が 15km 以

上あり、これら保護区への影響は予見されない。更に、下流域への放水量はゲーアン省により管理され、また、乾季で発電所が操業していない場合でも適切な維持流量を放水する計画であることから、重大な影響は予見されない。

(10) 社会配慮面

プロジェクト実施者は、少数民族を含めた地元住民に対して適切に情報提供を継続的に行う計画である。また、人民委員会が被影響住民に対して説明を行い、少数民族の移転及び補償に係る法律に則り、被影響住民である少数民族の要望に配慮した補償計画書が人民委員会により作成されている。

(11) 適用国際基準

世界銀行セーフガードポリシー

(12) その他（モニタリング等）

下流域への放水に関する情報が地元住民に周知されるシステムが構築される。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Chi Khe Village, Con Cuong District, Nghe An Province, Vietnam.

Q2. Please provide brief explanation of the project.

The Chi Khe hydropower plant project is being developed on the downstream of Ca river, Con Cuong district, Nghe An province, 18km away from Khe Bo Hydropower plant towards upstream and 9km away from Con Cuong town towards downstream. Ca river is a big river of Vietnam. As planned, along Ca river there will be Ban Ve HPP and Khe Bo HPP. Chi Khe HPP will be the last Hydropower plant along main line of Ca river. The total capacity of the project will be 41MW and approximately 191.3 million KWh of electricity per annum will be generated. The project will be connected to the Vietnamese national power grid.

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: November 11th 2010

Name of Authorities: Nghe An People's Committee

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 ☐)

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)?

Q13. Does the project belong to the following sectors?

(Yes/ No)

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.

Total land area for the project: [623.96] 10^4 m^2
Includes: Reservoir: [589.46] 10^4 m^2
Transformers: [1.580] m^2
Power house: [2.223.36] m^2
Other use area: [34.12] 10^4 m^2
Average power output: [191.29] million KWh.
Total capacity: [41] MW
Number of unit: [02] unit ([21.50] MW/unit)
Transmission line: [03] km.