

平成 25 年 2 月 18 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
12-025
- (2) プロジェクト名
火力発電所
- (3) 実施場所
ヨルダン国アンマン郊外
- (4) プロジェクト概要
火力発電所の建設・操業
- (5) カテゴリ分類
カテゴリ A
- (6) カテゴリ分類の根拠
本件は、環境ガイドラインに示される大規模な火力発電セクターに該当するため。
- (7) 環境許認可
現地国の関係制度に基づいて環境影響評価報告書が作成され、現地環境当局から承認を取得している。
- (8) 汚染対策
大気質、水質、廃棄物、騒音について、現地国基準を満たすよう適切な対策が講じられている。その他の汚染対策についても、適切に措置が講じられている。
- (9) 自然環境面
本プロジェクトサイト内及び近隣域には、現地国法令等で指定される保護区は存在せず、生態学的に重要な生息地や貴重種の生息地は含まれていない。
- (10) 社会配慮面
本プロジェクトサイトで住民移転は発生しない。サイト周辺に文化遺産が存在するが、プロジェクト実施に伴う影響は予見されない。

(11) 適用国際基準

IFCパフォーマンススタンダード。

(12) その他（モニタリング等）

事業者による大気質、水質、騒音等に関するモニタリングの実施が計画されている。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Al-Manakher, approximately 30kms east of Amman, Jordan

Q2. Please provide brief explanation of the project.

The project is to build, own and operate a power plant consisting of 38 dual fuel diesel engine units of 18V50DF manufactured by Wartisla. The plant will be operated using heavy fuel oil (HFO) as primary and distillate fuel oil as backup. The project may also be operated on natural gas when this becomes available. The capacity of the plant will be 572MW. A project company to be established for the project will enter into a power purchase agreement with the National Electric Power Company and sell the entire electricity output to NEPCO over 25 years.

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 type="checkbox"/> Required (Completed) | <input checked="" 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 type="checkbox"/> Approved (without condition) | <input type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input checked="" type="checkbox"/> Others (Please specify: under preparation _____) |

Date of Approval: _____
Name of Authorities: _____

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

Name(s) of required permit(s): Approval by the Department of Antiquities (obtained 3/23/2012)

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)?

(Yes ☒ 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)

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:)
- ☐ (2) Pumping of groundwater (Scale: m³/year)
- ☒ (3) Land reclamation, development and/or clearing (Scale: 24ha)
- ☐ (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)

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-expansory renovation project, acquisition of rights or interests without additional capital investment)?

(Yes ☒ 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)

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 area: Approximately 240,000 square meters

Production capacity: 572MW

Execution of EIA: Environmental Impact Assessment Regulations (No. 37, 2005) require that all industrial projects conduct an EIA study.