

平成19年2月8日

日本貿易保険

環境レビュー結果

- (1) 照会番号
06-027
- (2) プロジェクト名
LNG開発
- (3) 実施場所
インドネシア 西イリアンジャヤ州 ビンツニ湾地区
- (4) プロジェクト概要
天然ガスの炭鉱・開発及びLNGの製造・販売
- (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石油・ガス開発セクターに該当し、影響を及ぼしやすい特性及び影響を受けやすい地域を伴うため
- (7) 環境許認可
インドネシア国制度に基づき環境影響評価報告書が作成され、同国環境省より承認されている。
- (8) 汚染対策
大気質、水質、騒音の計画値は、何れも現地基準及び世銀基準を満たしている。
- (9) 自然環境面
プロジェクトサイトには、インドネシア国法令また国際条約に定める保護区は含まれない。
- (10) 社会配慮面
本プロジェクトの実施に伴う127世帯(654人)の住民移転については、移転に伴う補償等への適切な対応・配慮が実施されている。
- (11) その他・モニタリング
大気質、水質、廃棄物及び地域雇用状況等に関するモニタリングを行う予定となっている。

以 上

Questions

Q1. Please provide the address of the project site

Address of the project site : District Babo, Arandaya and Bintuni Bay Regency, Irian Jaya Barat, Indonesia

Q2. Please provide brief explanation of the project

Exploration and exploitation (development) of gas and production and sales of LNG

Q3. Will NEXI insurance be applied to a new project or an executing project? In case of executing project, please inform the presence of strong claims by local residents

- | | |
|--|---|
| <input checked="" type="checkbox"/> New Project | <input type="checkbox"/> Executing Project (with Claim) |
| <input type="checkbox"/> Executing Project (without Claim) | <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? 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 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 checked="" type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input type="checkbox"/> Others (Please specify) |

Date of Approval : October 25th, 2002

Name of Authorities : The State Minister of the Environment of the Republic of Indonesia

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 type="checkbox"/> Not required | <input checked="" type="checkbox"/> Others (Please specify) |

Name(s) of required permit(s) : Several Environmental permits other than EIA will be required to support Tangguh construction and operations. Some permits have been obtained, some are under process, and some permits will be processed later in line with project schedule. For example permits that have been obtained (Forestry Release Permit and Tree Cutting Permit (IPK)). Permits under process (Drilling Cuttings Re-Injection, Waste Incinerator and Desalination Effluent Discharge) and permits to be processed later produced water discharge permits etc.

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.) –indigenous population living in villages surrounding the project site, mangrove along the north shore is protected under Government of Indonesia regulations
- ☒ (2) Primeval forests, tropical natural forests
- ☒ (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)-mangrove
- ☒ (4) Habitats of endangered species of which protection is required under local laws and international agreements. –marine mammals including sousa dolphyn which is protected species
- ☐ (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 –indigeneous people –see (1)

Q9. Does the project involve following elements?

(Yes/ No)

If you answered "Yes", please describe the scale of applicable elements, 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: 127families)
- ☐ (2) Pumping of groundwater(Scale: ton/year)
- ☐ (3) Land reclamation and/or development (Scale: ha)
- ☒ (4) Deforestation (Scale: ha) * not yet known

Q10. Please reply to this question only in case that the project involves some of the above (1) to (4) elements.
In the country where the project is planned, are there any regulations on a scale of the elements asked in question 9? Yes

If the country has such regulation, please answer whether the project satisfies the regulation or not

- ☒ Regulation is applicable (☒ satisfied ☐ not satisfied) ☐ No regulation
- ☐ Others (Please specify)

Please reply to questions 11 and after

Q11. Will NEXI share in the project be equal or less than 5% of the total project cost, or the total amount of NEXI insurance equal or less than SDR 10 million?

(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-expansionary renovation project, acquisition of rights or interest without additional plant 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) Mines
- ☒ (2) Development of oil and gas
- ☐ (3) Pipeline
- ☐ (4) Steel industry (with large scale furnace)
- ☐ (5) Non-ferrous metal refining
- ☐ (6) Petrochemical (including manufacturing of raw materials and petrochemical complex)
- ☐ (7) Petroleum refining
- ☐ (8) Terminal of oil, gas and chemicals
- ☐ (9) Paper and pulp
- ☐ (10) Manufacturing and/or transportation of hazardous substances (specified by international agreement)
- ☐ (11) Thermal power plant
- ☐ (12) Hydro power plant, Dam or water reservoir
- ☐ (13) Power transmission and/or distribution lines (including large scale involuntary resettlement, large scale deforestation or submarine cable)
- ☐ (14) Road, railway or bridge
- ☐ (15) Airport
- ☐ (16) Port
- ☐ (17) Treatment of sewage and/or waste water that includes hazardous substances or executed at environmentally sensitive area
- ☐ (18) Waste material processing or treatment
- ☐ (19) Agriculture (large scale project and/or project including irrigation)
- ☐ (20) Forestry or tree planting
- ☐ (21) 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 property area 3,266 ha
- Area cleared for the development of LNG plants and its supporting facility : <800ha
- LNG Production Capacity: 7.6MMTPA (2 LNG trains)
- The EIA required for this project has been completed and approved by Indonesian Government on October 2002
- Two offshore platforms, two submarine pipelines (~20kms) to the LNG plant, and 15 gas production wells