

環境チェックレポート

(1) プロジェクト名

ガス焚複合火力発電プロジェクト

(2) 実施場所

タイ王国 ナコン シタマラート県

(3) プロジェクト概要

ガス焚複合火力発電所の建設・運営を行うもの

(4) カテゴリ分類

カテゴリ「A」

(5) 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掲げる影響を及ぼしやすいセクター（火力発電セクター）に該当するため。

(6) 環境許認可

タイ王国制度に基づき、EIA（環境アセスメント報告書）が作成され、同国天然資源環境省天然資源環境政策企画室より、今後の適切なモニタリングの実施等付帯条件付で承認されている。

(7) 汚染対策

大気質、水質及び騒音・振動の計画値は、現地基準を満たす計画となっている。また、廃棄物に関しては適切な措置が講じられる旨確認されている。

(8) 自然環境面

本プロジェクトサイトに保護区は存在しない。

(9) 社会配慮面

本プロジェクトにより移転を含む社会経済的な影響を受ける住民は存在しない。

(10) 適用国際基準

IFC パフォーマンススタンダード

(11) その他・モニタリング

上述の環境レビューを踏まえ、大気質 (NO₂ の環境値、NO_x の排出値) 及び生態系に関する当局からの指摘等の有無についてモニタリングを行う。

以 上

Q7. Will the loan 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 shown below in and around project site?

(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: _____ 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 JBIC share in the project be equal or less than 5% of the total project cost, or the total amount of JBIC loan 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 and 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) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11) Thermal power
- (12) Nuclear power
- (13) Hydropower, 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 hotels, 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 Information can be described as in the following.**

Project Area	~ 216 Acres
Area of Plants and Buildings	~ 12 Acres
Production Capacity	~ 970 MW gross
Amount of Power Generation	~ 8,497 GWh (max, based on gross capacity)

- ✓ **EIA Study is required for thermal power plant project of more than 10 MW.**