

環境レビュー結果

- (1) 照会番号
13-044
- (2) プロジェクト名
火力発電所
- (3) 実施場所
サウジアラビア マッカ州
- (4) プロジェクト概要
火力発電所の建設
- (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火力発電セクターに該当し、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
現地国法に基づいて環境影響評価書が作成されており、サウジアラビア気象環境庁より環境許認可を取得している。
- (8) 汚染対策
大気質、水質、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る。
その他の汚染対策についても、適切な措置が講じられる。
- (9) 自然環境面
自然環境面への影響に対して、適切な措置が講じられる。

(10) 社会配慮面

社会面への影響に対して、適切な措置が講じられる。なお、本プロジェクトの実施に伴う非自発的住民移転は生じない。

(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）

プロジェクト実施者による、大気質、水質、騒音等のモニタリングが計画されており、モニタリング結果は定期的に環境当局等へ報告される予定である。

以上

Q1. Please provide the address of the project site.

Address of the project site: **Jeddah South Power Plant, Kingdom of Saudi Arabia (35km south of central Jeddah)**

Q2. Please provide brief explanation of the project.

Phase 1 construction of a 2,640 MW Heavy Fuel Oil fired thermal power plant with seawater intake, outfall and fuel unloading jetty.

Q3. Will JBIC loan 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.

☐ **New Project**

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.

☐ **Yes EIA is Required. Scoping Report completed and EIA baseline studies in progress**

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.

☐ **Others (Please specify: The Equator Principles compliant EIA for the Lenders and ECA's is currently being prepared)**

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

☐ **Not required**

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)?

(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)

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

Note: A desk study of satellite imagery has indicated that coral outcrops and sea-grass may be present off-shore, however this is yet to be confirmed by a specific marine ecology survey, which is to be undertaken shortly.

Q9. Does the project involve following characteristics?

(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.

- ☐ (2) Pumping of groundwater (Scale: **Data not available**)
- ☐ (3) Land reclamation, development and/or clearing (Scale: **1.2 million m² of land reclamation**)

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?

- ☐ Others (Please specify: **The EIA is a requirement of the Presidency of Meteorology and Environment (the KSA national environmental regulator) due to the categorisation of a Thermal Power Plants over 30MW as Category 3 projects requiring comprehensive environmental assessment. The above characteristics 1 – 4 do not specifically require an EIA to be undertaken for a project**)

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) - 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) 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)

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.

☐ **(11) Thermal power**

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.

The project area is approximately 2km*2km in area on land (terrestrial). The project will also require marine works including elements of offshore dredging and land reclamation in order to construct the seawater intake and outfall structures. A fuel-unloading jetty will also be constructed for the dedicated delivery of Heavy Fuel Oil to the plant.

The plant is anticipated to produce 2,640MW through supercritical steam boiler and turbine technology.

The EIA is a requirement of the Presidency of Meteorology and Environment (the KSA national environmental regulator) due to the categorisation of a Thermal Power Plants over 30MW as Category 3 projects requiring comprehensive environmental assessment).