

環境レビュー結果

- (1) 照会番号
13-059
- (2) プロジェクト名
化学樹脂工場建設
- (3) 実施場所
サウジアラビア ジュベール地区
- (4) プロジェクト概要
化学樹脂工場の建設
- (5) カテゴリ分類
カテゴリ B
- (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化学セクターに該当するが、環境への負の影響が重大でないと判断されるため。
- (7) 環境許認可
サウジアラビア王立委員会が、ジュベール工業地区内のプロジェクトを管轄している。EIA(環境影響評価書)の承認はないが、許認可申請書類を王立委員会に提出し、工事環境許可を得ることが必要とされる。事業者は、2014 年 12 月に工事環境許可を得る見込みである。
- (8) 汚染対策
大気、水質、騒音は、現地国基準及び国際基準を満たすことが見込まれている。汚染を防止するための適切な手段が取られていると判断される。
- (9) 自然環境面
本プロジェクトは既存の工業団地内で実施される。敷地の近隣に自然保護区や貴重種の生息地域は存在しない。

(10) 社会配慮面

本プロジェクトは既存の工業団地内で実施される。住民移転は発生せず、敷地の近隣に文化遺産は存在しない。

(11) 適用国際基準

World Bank Safeguard Policies

(12) その他（モニタリング等）

大気、水質、騒音に関するモニタリングが実施され、環境当局に提出される予定である。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Al-Jubail, the Kingdom of Saudi Arabia

Q2. Please provide brief explanation of the project.

MMA/PMMA plant project

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.

- | | |
|---|--|
| <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) |

EIA report will be prepared and submitted to Royal Commission during detail engineering (EPC Phase)

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 .) |
- Will be prepared during EPC phase

Date of Approval : During Detail Engineering (EPC Phase)

Name of Authorities : Royal Commission

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 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-expansionary 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.

Area of plants

MMA/PMMA plants: Approximately 130,000 m²

Annual production capacity

MMA 250,000 metric tons

PMMA 40,000 metric tons

EIA report to be prepared by RC approved Third Party and report to be submitted for the approval of Royal Commission for such scale of project.