

環境チェックレポート

(1) プロジェクト名  
風力発電プロジェクト

(2) 実施場所  
エジプト・アラブ共和国紅海県

(3) プロジェクト概要  
風力発電所の建設・操業

(4) カテゴリ分類  
カテゴリ B

(5) カテゴリ分類の根拠  
本事業は、環境ガイドラインに掲げる影響を受けやすい地域またはその近傍に立地するものの、環境への望ましくない影響は重大でないと判断されるため。

(6) 環境許認可  
同国制度に基づき ESIA 報告書が作成され、2017年6月8日に同国環境省より付帯条件付で承認を取得済である。

(7) 汚染対策  
水質、及び騒音・振動の計画値は現地基準及び国際基準を満たす計画である。

(8) 自然環境面  
春季及び秋季に鳥類がプロジェクトサイト上を飛行する可能性があるが、当該期間中の昼間の操業を停止するとともに、その他の期間も運転中にレーダーで渡り鳥を感知した場合は随時運転を停止する計画である。

(9) 社会配慮面  
本プロジェクトにおいて用地取得及び住民移転は発生しない。

(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、環境許認可に係る付帯条件の遵守状況（渡り鳥のモニタリングを含む。）、関連する許認可の取得状況についてモニタリングを実施する予定である。

以 上

## Questions

**Q1.** Please provide the address of the project site.

Address of the project site: approximately 20 km southwest of the municipality of Ras Ghareb in the Red Sea Governorate

**Q2.** Please provide brief explanation of the project.

- Successful bidders will be selected throughout an international competitive bidding process.
- Successful bidder will establish a project company, which shall design, finance, build, own, operate and maintain a 250MW wind power plant.
- The project company will sell the electricity energy generated from a 250MW wind power plant to EETC under 20 years power purchase agreement.

**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 and Social Impact Assessment (ESIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of ESIA.

- |  |  |
|--|--|
| <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 ESIA is already completed, please inform whether ESIA report is already approved based on the environmental and social impact assessment system of the country where the project is to be implemented or not. If ESIA report is already approved, please provide the date and name of authorities of the approval.

- |  |   |
|--|---|
| <input type="checkbox"/> Approved (without conditions) | <input type="checkbox"/> Approved (conditional)   |
| <input type="checkbox"/> Under approval process        | <input type="checkbox"/> Others (Please specify ) |

Date of Approval : \_\_\_\_\_

Name of Authorities : \_\_\_\_\_

**Q6.** If environmental permit(s) other than ESIA 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) Ecologically critical forests areas (including primeval forests and tropical natural forests)
- (3) Ecologically critical natural habitats (including 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 lifestyle (including areas used for cultural and/or spiritual purposes), 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 and/or loss of means of livelihood (Number of affected people: \_\_\_\_\_ )
- (2) Pumping of groundwater (Scale: \_\_\_\_\_ m<sup>3</sup>/year)
- (3) Land reclamation, development and/or clearing (Scale: \_\_\_\_\_ ha)
- (4) Deforestation (Scale: \_\_\_\_\_ ha)

**Q10.** Under the environmental and social 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 ESIA 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 impacts on the environment and the society is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansive 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) Cement plants (including a greenfield quarry)
- (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (12) Thermal power
- (13) Nuclear power
- (14) Hydropower, dams and reservoirs
- (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (16) Roads, railways and bridges
- (17) Airports
- (18) Ports and harbors
- (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (20) Waste management and disposal
- (21) Agriculture involving large-scale land-clearing or irrigation
- (22) Forestry
- (23) 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 ESIA is required on account of the large scale of the project in the country where the project is implemented.

- The site selected for this Project of 250MW wind power plant is an area of approximately 37 km<sup>2</sup> located on the Gulf of Suez. The site is typically desert landscape, where the altitude above sea level varies 100m and 250m.
- The major components of the Project will include;
  - Wind turbine generators (WTG);
  - Foundations;
  - Electrical infrastructure including turbine transformers with all necessary switchgear and auxiliary equipment;
  - Medium voltage cabling, substation and electrical interconnection;
  - SCADA system;
  - Wind measurement system, including a permanent meteorological mast;
  - Ancillary equipment and support facilities such as control room and storage facilities with fencing, administration and social building;
  - Infrastructure such as access roads to the Project, internal roads, lighting system, site safety measures, aircraft warning system, bird monitoring system, etc.