

環境チェックレポート

- (1) プロジェクト名
高圧直流海底送電プロジェクト
- (2) 実施場所
アラブ首長国連邦／アブダビ首長国
- (3) プロジェクト概要
高圧直流海底送電システムの建設、所有及び運営
- (4) カテゴリ分類
カテゴリ「A」
- (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及ぼしやすいセクター（海底送電セクター）に該当し、影響を受けやすい地域あるいはその近傍に立地するため。
- (6) 環境許認可
アブダビ環境庁ガイドラインに基づき、EIAが作成され、2022年7月にアブダビ環境庁より許認可を取得済である。
- (7) 汚染対策
大気質、水質、廃棄物及び騒音に対して、適切な措置が講じられている旨、確認されている。
- (8) 自然環境面
自然環境面への影響に対して、適切な対策が講じられている旨、確認されている。
- (9) 社会配慮面
本事業では非自発的住民移転は発生しない。その他社会配慮面への影響に対して、適切な対策が講じられる旨、確認されている。
- (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、建設中・操業中の環境社会管理計画の策定・実施状況等につきモニタリングを行う予定である。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Two (2) Transmission systems will be located between Mirfa and an offshore Zakum Artificial Island (Zakum Cluster), and between Shuweihat and an offshore Das island (Das Cluster) in Abu Dhabi, United Arab Emirates

Q2. Please provide brief explanation of the project.

A sub-sea HVDC transmission line project which includes development, financing, design, engineering, procurement, construction, permitting, testing, commissioning, insurance, ownership, operation, maintenance and transfer of two independent sub-sea HVDC systems, with a total capacity of 3,200 MW (2x600MW for Das Cluster, 2x1,000MW for Zakum Cluster).

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 Executing Project (with Claim etc.)
 Executing Project (without Claim etc.) 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.

- Required (completed) Required (under execution or under planning)
 Not Required Others (Please specify)

Progress: Under execution of Marine Modeling.

Q5. In case that ESIA is already completed, please inform whether ESIA report is already approved based on the environmental and social 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.

- Approved (without condition) Approved (conditional)
 Under approval process Others (Please specify)

Date of Approval : _____

Name of Authorities : _____

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

- Obtained Required, but not obtained yet
 Not required Others (Please specify)

Name(s) of required permit(s) : Approval of the ESIA will be required by the Abu Dhabi regulator, the Environment Agency Abu Dhabi. The EAD will provide an approval of the ESIA only and further studies will be required thereafter to obtain a No Objection Certificate (NOC) (which can also be referred to as an Environmental License).

Following the approval of the ESIA, before construction activities can start, a Construction Environmental Management Plan (CEMP) will need to be submitted to and approved by the EAD. Once the CEMP is approved, the EAD will issue a No Objection Certificate (NOC) which will allow construction activities to start. The NOC is considered to be the "Environmental License" as per UAE Federal Law.

Lastly, an operational permit will be required. This may require additional studies to be submitted such as an Operational Environmental Management Plan (OEMP), although this is determined on a case by case basis and may or may not apply to this project. Confirmation on this final point would be sought with the EAD as part of the ESIA process.

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(s) shown below in and around project site(s)?

(Yes / No)

If you answered "Yes", please select applicable items by marking, and reply to the following questions.
If you answered "No", please reply to the questions 9 and after.

- (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments)
- (2) Forests with important ecological value (including primary forests and natural forests in tropical areas)
- (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.)
- (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc.
- (5) Areas in danger of large-scale salt accumulation or soil erosion
- (6) Areas with a remarkable tendency towards desertification
- (7) Areas with unique archaeological, historical or cultural value
- (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other 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 the questions 11 and after.

- (1) Involuntary resettlement and/or loss of means of livelihood
(Number of affected people: _____)
- (2) Pumping of groundwater (Scale: _____ m³/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) of the questions 9 above and their scale serve as basis for executing an ESIA for the project?

- They do They do not
 Others (Please specify)

Q11 May the project involve significant social impacts?

(Yes / No)

If you answered "Yes", please describe the outline of the impacts, and reply to the questions 12 and after.
 If you answered "No", please reply to the questions 12 and after.

- The likelihood of severe project-related human rights impacts ()
 Others ()

Q12. 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 the questions 13 and after.

Q13. Does the project belong to either of the sectors that impact on the environment and society is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?

(Yes / No)

If you answered "Yes", it is not necessary to reply to the following questions.
 If you answered "No", please reply to the questions 14 and after.

Q14. Does the project belong to the following sectors?

(Yes / No)

If you answered "Yes", please specify the sector by marking, and reply to the questions 15 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.)

Q15. 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.

Total transmission capacity: 3,200MW (2x600MW for Das Cluster, 2x1,000MW for Zakum Cluster)

Total area of Converter Stations: Approx. 24 ha

The ESIA process is under planning to obtain Environmental Permit by Environment Agency of Abu Dhabi.