

## 環境チェックレポート

### ( 1 ) プロジェクト名

オランダ王国洋上風力発電プロジェクト

### ( 2 ) 実施場所

オランダ王国 / ノルドバイク市沖合約 23km の洋上

### ( 3 ) プロジェクト概要

洋上風力発電所の建設・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（送変電・配電セクター）に該当し、同ガイドラインに掲げる影響を受けやすい地域あるいはその近傍に立地する。また、総プロジェクトコストに占める本行支援割合が 5% 超、かつ支援額が 10 百万 SDR 相当円超であり、環境影響が軽微もしくは悪化が予見されないとはいえないプロジェクトであること。

### ( 6 ) 環境許認可

本プロジェクトの環境社会影響評価報告書（以下、「ESIA」）は、当初 2009 年 12 月 18 日に承認されたものの、発電所の仕様及び同国法の変更により 2012 年 11 月 20 日に許認可が追加取得された。

### ( 7 ) 汚染対策

水質及び廃棄物について現地基準に沿った適切な対策計画を策定・実施している。

### ( 8 ) 自然環境面

< 洋上部分 >

本プロジェクトサイト周辺には鳥類等の保護区が存在するが、プロジェクトサイトより 20km 以上離れている。また、プロジェクトサイト周辺では複数の保護種が確認されているが、当該エリアにおける生息は限定的である。

プロジェクトサイト周辺は、ウミドリ及び渡り鳥が飛来するが、多くの種が広

域に生息しており、かつプロジェクトサイトより沿岸を飛行する種が多いため、バード・ストライクの影響は限定的である。

< 陸上部分 >

陸上ケーブルが、重要な生態系に指定されている 3 箇所の保護区を通過する。また、当該保護区及び保護区外において保護種が確認されているが、影響緩和策が実施される計画。

#### ( 9 ) 社会配慮面

本プロジェクトにおいて、非自発的住民移転は生じない。社会面への影響に対し、適切な措置が講じられている旨、確認されている。

#### ( 10 ) 適用国際基準

I F C 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、ESIA 付帯条件の遵守状況、国家土地利用計画( 陸上ケーブル ) に係る変更申請、文化遺産条例に基づく工事実施申請及び環境モニタリング計画の承認状況等についてモニタリングを実施する予定。

以 上

## Questions

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

Address of the project site: block Q10 in the North Sea, about 23 km off the coast at Noordwijk

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

Construction and operation of an offshore wind farm

**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 checked="" type="checkbox"/> Required (completed) | <input type="checkbox"/> Required (under execution or under planning) |
| <input type="checkbox"/> Not Required                    | <input type="checkbox"/> Others (Please specify )                     |

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

Date of Approval : Wbr Permit - WSV 2009-1229 (18 December, 2009); Water Act permit - WSV/2012-1325 (20 November, 2012)

Name of Authorities : Rijkswaterstaat, dienst Noordzee on behalf of Secretary of State for Traffic and Public Works/ Minister of Infrastructure and Environment

**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 checked="" type="checkbox"/> Obtained | <input type="checkbox"/> Required, but not obtained yet |
| <input type="checkbox"/> Not required        | <input type="checkbox"/> Others (Please specify )       |

Name(s) of required permit(s) : Flora and Fauna act exemptions (One for onshore cable and one for exploitation of the wind farm. These have been obtained.)

**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

**Q9.** Does the project involve following characteristics?

(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: \_\_\_\_\_ m<sup>3</sup>/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)

(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)?

(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.

- (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 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.

The project is situated about 23 km off the coast of the central North Sea coastal zone of the Netherlands, close to Noordwijk. Total gross capacity of the project is 129 MW, consisting of 43 turbines of 3 MW capacity, an Offshore High Voltage station and offshore (23km / 150kV) and onshore cables(8km / 150kV). The execution of EIA and exemptions of the Flora and Fauna Act were required for this project.