

環境チェックレポート

- (1) プロジェクト名
洋上風力発電プロジェクト
- (2) 実施場所
英国／スコットランド Moray 沖
- (3) プロジェクト概要
洋上風力発電所の建設・所有・操業
- (4) カテゴリ分類
カテゴリ A
- (5) 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ため。
- (6) 環境許認可
現地国法制度に基づき ESIA 報告書が作成され、洋上風力発電所及び海域送変電施設につき、2014年3月及び同年9月にスコットランド海洋局より付帯条件付きで承認を取得済みである。なお、現地国法制度上、陸域送変電施設に関する ESIA 報告書の作成は必須ではないものの、当該 ESIA 報告書に含まれている。
- (7) 汚染対策
洋上風力発電所及び海域送変電施設に関し、建設時における騒音、化学物質の流出等について適切に対応する計画である旨、確認されている。
また、操業時における大気汚染物質や排水は発生せず、洋上風力発電所から発生する騒音・振動が陸域に影響を及ぼすことはない旨、確認されている。
陸域送変電施設に関し、建設時における騒音、廃棄物等について適切に対応する計画である旨、確認されている。また、操業時における大気汚染物質は発生せず、化学燃料や使用済油等の汚染物質に係る流出防止等、適切な対策が講じられる計画である旨、確認されている。

(8) 自然環境面

洋上風力発電所及び海域送変電施設に関し、プロジェクトサイトは保護区に該当しないが、プロジェクトサイト及びその周辺に現地国内法で保護対象となっている底生生物、魚介類、海生哺乳類及び鳥類等が生息又は生息している可能性があるところ、生息妨害等の影響を最小化するための適切な対策が講じられる計画である旨、確認されている。

陸域送変電施設に関し、プロジェクトサイトは保護区に該当しないが、プロジェクトサイト及びその周辺地域に現地国内法で保護対象となっている哺乳類、鳥類等の生息が確認されているところ、生息妨害等の影響を最小化するための適切な対策が講じられる計画である旨、確認されている。

(9) 社会配慮面

漁業者との協議の中で、本プロジェクトによる漁場の喪失またはアクセス制限により、本プロジェクトサイト周辺での競争が激化する可能性があるとの懸念が示されたところ、これら対応として、事業者は建設中については必要に応じて金銭補償を実施予定であり、今後も漁業関係者との継続的な協議が実施される予定。

送電線敷設ルート及び変電所は、住居や建物を避けており、本プロジェクト実施に伴う非自発的住民移転は発生しない旨、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結果を踏まえ、ESIA 報告書許認可に係る付帯条件の遵守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: Smith Bank, Outer Moray Firth, Scotland, UK

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 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 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 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.

- | | |
|--|---|
| <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 &_

Name of Authorities : The Scottish Ministers (3 x Section 36 Consents) 19 March 2014,
Aberdeenshire Council (Planning Permission in Principle) 26 September 2014
Aberdeenshire Council (Section 42 Consent) 18 June 2015,
Marine Scotland (Marine Licences x 3 for the Wind Farms) dated 3 September 2014
Marine Scotland (2 x Marine Licences) for the offshore transmission infrastructure
dated 25 September 2014 and 14 September 2017.

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)?

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

Name(s) of required permit(s) : A European Protected Species Licence will be required in respect of the offshore construction works to authorise the disturbance of European Protected Species in terms of the Conservation (Natural Habitats &c.) Regulations 1994 and the Offshore Marine Conservation (Natural Habitats &c.) Regulations 2007.

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

Yes

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?

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?

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.

Others

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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)

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-expansive renovation project, and acquisition of rights and interests without additional capital investment)?

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

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.

The project is located in the outer Moray Firth in Scotland and 22 km off the coast. It covers an area of 295 km². A total installed capacity of the project is 950MW consisting of 100 wind turbines of 9.5 MW capacity. EIA is taken into account in the assessment of the consent applications and these consents have been approved as the above Q5.