

Environmental Examination Report

1. Project Name  
Offshore wind power project
2. Project Site  
Moray Firth, Scotland, United Kingdom
3. Project Outline  
Construction, possession, and operation of the offshore wind power plant
4. Category Classification  
Category A
5. Reason for Classification
  - (a) The project belongs to the sensitive sector (transmission, transformation and distribution of electricity).
  - (b) The project is located in or near sensitive areas under the Guidelines.
6. Environmental Permits and Approvals  
The Environmental and Social Impact Assessment (ESIA) report on the project (both for offshore generation infrastructure and offshore transmission infrastructure) was prepared in compliance with the local laws and regulations, and approved with conditions by Marine Scotland in March and September 2014 respectively. Although preparation of ESIA regarding onshore transmission infrastructure is not required according to the local laws and regulations, such information is included in the ESIA report on the project.
7. Pollution Mitigation Measures  
Regarding the offshore generation infrastructure and offshore transmission infrastructure, it is confirmed that appropriate measures will be taken to mitigate the noise and chemical leakage and others during construction. It is confirmed that no emission of air pollutants or waste water is projected during the operation of the project, and that noise and vibration from the offshore generation infrastructure will not affect the land area.

Regarding the onshore transmission infrastructure, it is confirmed that appropriate measures will be taken to mitigate the noise and debris during construction. It is confirmed that no air pollutants would be emitted, and appropriate measures would be taken to mitigate leakage of chemical fuel or waste oil during the operation of the project.

#### 8. Natural Environment

It is confirmed that the project site of offshore generation infrastructure and offshore transmission infrastructure is not located within the protected area. The project will take appropriate measures to mitigate impact to benthic species, aquatic species, marine mammals and bird species designated as protected species under the local law that might be living in the project site and surrounding area.

It is confirmed that the project site of onshore transmission infrastructure is not located within the protected area. The project will take appropriate measures to mitigate impact to mammals and bird species designated as protected species under the local law that are known to be living in the project site and surrounding area.

#### 9. Social Environment

It is confirmed that the project will compensate for a negative impact on fisheries due to lost or restricted access to the fishing site during construction period, and the project will continue to have discussion with the local fishermen's associations.

It is confirmed that the onshore transmission and substation infrastructure is routed to avoid residential houses and buildings, and there will be no relocation of residents in relation to the project.

#### 10. International Standard

IFC Performance Standard

#### 11. Others, Monitoring

JBIC will monitor the project to ensure compliance of the conditions attached to the ESIA report.

## 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: \_\_\_\_\_ 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) 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

( )

**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 km<sup>2</sup>. 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.