

Environmental Examination Report

- ( 1 ) Project Name  
Wind Power Plant Project
- ( 2 ) Project Site  
Gaziantep, Republic of Turkey
- ( 3 ) Project Outline  
Construction and Operation of Wind Power Plant
- ( 4 ) Category Classification  
Category B
- ( 5 ) Reason for Classification  
Though this project is located in or around a sensitive area under the Environmental Guidelines, it is likely to have no significant adverse impact on the environment.
- ( 6 ) Environmental Permits and Approvals  
Although this project is out of scope of ESIA approval under the laws and regulations of Republic of Turkey, the sub-borrower voluntarily prepared ESIA report.
- ( 7 ) Pollution Mitigation Measures  
Pollution of air quality, water quality, soil contamination are not generated from this project.  
Appropriate measures will be taken to mitigate the impacts on waste, noise and vibration.
- ( 8 ) Natural Environment  
There are no legally designated sanctuaries in and around the project site. Appropriate measures for the ecosystem preservation will be taken.
- ( 9 ) Social Environment  
Appropriate measures for land acquisition have been taken based on

the laws and regulations of Republic of Turkey after the consultation with landowners.

( 1 0 ) International Standard

World Bank-Safe Guard Policy

( 1 1 ) Others, Monitoring

Taking the above environmental review into consideration, JBIC will monitor following items:

- Completion of birds' ecosystem survey and mitigation measures
- Impacts on birds pointed out by the national/local authority in/around the project site

## Questions

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

Address of the project site : Gaziantep city, Turkey

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

The subject of the project is generating electricity by using wind power turbine technology. The project plans to develop and construct a 63.00 MW<sub>e</sub> licenced power supply (65.55 MW<sub>e</sub> installed capacity) wind power plant in Gaziantep city within the selected area for this purpose.

**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: \_\_\_\_\_ )

**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) : \_\_\_\_\_

**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.)

*(The calculated ground cover habitat loss due to turbines and switchyard is less than %0.01 of the surface of the KBA (Key Biodiversity Area). And it is considered that the impact can be managed via the BAP (Biodiversity Action Plan) . (reference: AECOM report Nov '16 under section 5.8.3))*

- (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

*\* AECOM report at Table 5-2 Impact Assessment Summary Table (pg. 109), under the section “Biological Resources And Habitat Alteration - Operation Phase”, shows environmental impact’s magnitude and it’s mitigation measures.*

**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: \_\_\_\_\_ m<sup>3</sup>/year)
- (3) Land reclamation, development and/or clearing (Scale: 22 ha (due to road construction))
- (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-expansory 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.

