

Environmental Examination Report

(1) Project Name

Gas-fired Combined Cycle Power Plant Project

(2) Project Site

Republic of Indonesia, West Java Province

(3) Project Outline

Construction, possession and operation of gas-fired combined cycle power plant and floating storage regasification unit.

(4) Category Classification

A

(5) Reason for Classification

The project belongs to sensitive sector (thermal power and power transmission and distribution lines) and is located in or near sensitive areas under the Environmental Guidelines.

(6) Environmental Permits and Approvals

The Environmental and Social Impact Assessment (ESIA) on this project was prepared in compliance with the Indonesian laws and regulations and approved in June 2018 with some conditions by Ministry of Environment and Forestry, Republic of Indonesia. The project proponent plans to act properly on the conditions.

(7) Pollution Mitigation Measures

It is confirmed that preserving air quality, water quality conservation, waste control, noise and vibration control are properly managed.

(8) Natural Environment

It is confirmed that the appropriate measures for the protection of natural environment are properly managed.

(9) Social Environment

It is confirmed that appropriate plans have been made and appropriate measures have been taken for local people who are affected by the project.

(1 0) International Standard

IFC Performance Standards

(1 1) Others, Monitoring

Taking the above environmental review into consideration, JBIC will monitor compliance status with the conditions attached to the ESIA report.

Questions

Q1. Please provide the address of the project site.

Address of the project site: Cilamaya, Karawang Regency, West Java

Q2. Please provide brief explanation of the project.

A IPP project for building, owning, operating and transfer the gas combined cycle power plant with the capacity of total 1,760MW, gas facilities to sell electricity to PT. PLN Persero ("PLN"). The project company will procure a Floating Storage and Regasification Unit ("FSRU") via a separate project company which will enter into shipbuilding contract with a shipbuilder, operate and own the FSRU.

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

The name of environmental and social impact assessment for power project in Indonesia is Analisis Mengenai Dampak Lingkungan ("AMDAL") and now the "Integrated AMDAL" which includes the element of power plant, transmission line/substation, gas facilities and FSRU for the project is in progress.

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 type="checkbox"/> Approved (without condition) | <input type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input checked="" type="checkbox"/> Others (Under preparation of AMDAL report) |

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)?

- | | |
|---------------------------------------|--|
| <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) : Environmental Permit to be issued by Ministry of Environment and Forestry to be released after AMDAL Approval

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 for site clearing: around 30ha for the power plant site, and around 20ha for the transmission line towers footing and the substation in total)
- (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.

Project Area for power plant	Around 30 ha
Production Capacity	1,760 MW as contract capacity under PPA

The Integrated AMDAL process is now on-going to obtain Environmental permit to be issued by Ministry of Environment and Forestry which is required for the project.