

Environmental Examination Report

(1) Project Name

Coal-fired Power Plant Project

(2) Project Site

Central Java, Republic of Indonesia

(3) Project Outline

Construction and operation of coal-fired power plant.

(4) Category Classification

A

(5) Reason for Classification

The project falls into the thermal power sector and has sensitive characteristics 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 August 2013 with some conditions by Environmental Agency of Central Java, Republic of Indonesia. The Project Company plans to properly act 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 including land acquisition.

(10) International Standard

IFC Performance Standard

(11) Others, Monitoring

Taking the above environmental review into consideration, JBIC will monitor compliance status with the conditions attached to the ESIA report, the Project Company's involvement with stakeholders and the implementation status of livelihood restoration program.

## Questions

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

Address of the project site : Ujung Negro/Karanggeneng, Batang district, Central Java, Indonesia

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

Construction of 2,000 MW (gross) coal fired power plant in the Central Java, Indonesia. After completion, it is selling electricity to state owned company, PT PLN (Persero) for 25 years

**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 type="checkbox"/> Required (completed ) | <input checked="" type="checkbox"/> Required ( <del>under execution or</del> 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 type="checkbox"/> Approved (without condition) | <input type="checkbox"/> Approved (conditional)  |
| <input type="checkbox"/> Under approval process       | <input checked="" type="checkbox"/> Others (Please specify : under preparation process ) |

Date of Approval : \_\_\_\_\_

Name of Authorities : \_\_\_\_\_

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

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?

Yes ✓

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: less than 10 houses) ✓
- (2) Pumping of groundwater (Scale: 65,000 m<sup>3</sup>/year) ✓
- (3) Land reclamation, development and/or clearing (Scale: approximately 450 ha) ✓
- (4) Deforestation (Scale: ha).

(\*\*) There are less than 10 houses at the beneath of the transmission lines. The residents may continue staying or decide to move after construction of the transmission line.

**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-expansionary 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 large-scale involuntary resettlement, large-scale logging or 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 total development area is approximately 450 ha inclusive of power plant area of 250 ha, lay down area: 80 ha, transmission line and switch yard: 110 ha, access road: 10 ha. Gross plant capacity is 2,000 MW (2 x 1,000 MW). It adopts the first ultra super critical technology in Indonesia. And it expects to generate approximately 14,000 GWh per year.