

環境チェックレポート

(1) プロジェクト名

石炭火力発電プロジェクト

(2) 実施場所

インドネシア共和国／中部ジャワ州

(3) プロジェクト概要

石炭火力発電所を建設・操業するもの。

(4) カテゴリ分類

カテゴリ「A」

(5) カテゴリ分類の根拠

本事業は、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（火力発電セクター）に該当し、影響を及ぼしやすい特性を持ち、影響を及ぼし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

インドネシア共和国制度に基づき、ESIA（環境社会影響アセスメント報告書）が作成され、2013年8月に同国中部ジャワ州環境局により付帯条件付きで許認可を取得済である。事業会社は付帯条件について適切に対応する予定である。

(7) 汚染対策

大気質、水質、廃棄物及び騒音・振動等について、適切な措置が講じられている旨、確認されている。

(8) 自然環境面

自然環境面への影響に対して、適切な措置が講じられている旨、確認されている。

(9) 社会配慮面

本プロジェクトによる用地取得等により社会経済的な影響を受ける住民等への配慮について、対応計画が策定され、適切な措置が講じられている旨、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に係る付帯条件の遵守状況、事業者によるステークホルダーへの関与に関する状況及び生計回復計画の実施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 : Ujung Negoro/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-expansive 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.