

Results of Environmental Review

- (1) Reference Number  
16-023
- (2) Project Name  
Thermal power plant
- (3) Project Site  
Binh Thuan, Vietnam
- (4) Project Outline  
Extension of a coal-fired thermal power plant
- (5) Category  
A
- (6) Reason of Categorization  
The project falls into the large-scale thermal power sector and has sensitive characteristics under the Environmental Guidelines.
- (7) Environmental Permission / Approval by the Environmental Authority  
The EIA (Environment Impact Assessment) report was made under environmental laws & regulations in Vietnam, and was approved by MONRE (Ministry of Natural Resources and Environment) in November 2015.
- (8) Pollution Prevention  
Appropriate measures are being taken regarding air quality, water quality, noise & vibrations, wastes and others.
- (9) Natural Environmental Considerations  
The construction site is located at a sufficient distance from the marine protected area and negative environmental impacts are not expected. Appropriate measures are being taken for other natural environment matters.

(10) Social Consideration

There is no cultural heritage near the premises. Programs for compensations and relocations were made and exercised for project-affected people. Appropriate measures are being taken for social consideration.

(11) Applied International Standards

World Bank Safeguard Policies

(12) Monitoring

The project proponent will conduct monitoring of air quality, water quality, wastes and others. The monitoring results will be reported to the environmental authorities.

(end)

## Questions

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

Address of the project site: Vinh Tan commune in Tuy Phong district, Binh Thuan province, Vietnam

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

Construction of 1 x 600MW coal fired power plant

**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 impact 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 conditions) | <input checked="" type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process        | <input type="checkbox"/> Others (Please specify )          |

Date of Approval : November 27, 2015

Name of Authorities : Ministry of Natural Resources and Environment (MONRE)

**Q6.** If environmental 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 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)?

(~~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 shown below in and around project site?

(~~Yes~~ / No)

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) Ecologically critical forests areas (including primeval forests and tropical natural forests)
- (3) Ecologically critical natural habitats (including 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 lifestyle (including areas used for cultural and/or spiritual purposes), or 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 questions 11 and after.

- (1) Involuntary resettlement and/or loss of means of livelihood  
(Number of affected people: 61 householders )
- (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) above and their scale serve as basis for executing an ESIA 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)

(~~Yes~~ / 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 impacts on the environment and the society 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)?

(Yes / 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 / ~~No~~)

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) 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.)

**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 ESIA is required on account of the large scale of the project in the country where the project is implemented.

Vinh Tan 4 Extension Thermal Power Plant Project with the capacity of 1 x 600MW will play an important role in providing stability to the power network in local and Southern area of Vietnam in addition to Vinh Tan 4 Thermal Power Plant Project with the capacity of 2 x 600MW.