

Results of Environmental Review

- (1) Reference Number
17-011
- (2) Project Name
Geothermal power plant
- (3) Project Site
South Sumatra, Indonesia
- (4) Project Outline
Construction of geothermal power plants
- (5) Category
A
- (6) Reason of Categorization
The project has sensitive characteristics and sensitive areas under the Environmental Guidelines.
- (7) Environmental Permission / Approval by the Environmental Authority
The Environment and Social Impact Assessment (ESIA) was made under environmental laws and regulations in Indonesia and approved by Ministry of Environment and Forestry in March 2017.
- (8) Pollution Prevention
Appropriate measures are being taken regarding air quality, water quality noise and odor.
- (9) Natural Environmental Considerations
There is a protected forest in the project site, however development of geothermal power is permitted by the laws and regulations in Indonesia. Proper measures are taken to maintain the natural environment and biodiversity.
- (10) Social Considerations
Appropriate measures, such as compensation and support program are being taken

for the project-affected people. No involuntary relocation is required. There is no cultural heritage near the premises.

(11) Applied International Standards

IFC Performance Standards

(12) Monitoring

The monitoring results will be reported to the environmental authorities by the project sponsors in accordance with local regulations.

(end)

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 peoples 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: 652 ton /hr)
- (3) Land reclamation, development and/or clearing (Scale: land clearing of 9.51 non-protection forest and 104.8ha protection forest area)
- (4) Deforestation (Scale: included in the 104.8ha of protection forest area)

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 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 the value insured by NEXI in the export, loan or investment project be equal or less than 5% of the total project cost, or 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) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- (12) Thermal power
- (13) Nuclear power
- (14) Hydro power, 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 hotel, 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 EISA is required on account of the large scale of the project in the country where the project is implemented.

Project Area	114.3ha (92% of the site is a protected forest area / 8% of the site is an area of other use)
Production Capacity	92MW (gross)

The project companies is now under process of acquiring ESIA (AMDAL) and permits which are required to develop, construct and operate the geothermal power plant.