2014 年 10 月 24 日 独立行政法人 日本貿易保険

環境レビュー結果

- (1) 照会番号
 13-068
- (2) プロジェクト名送変電施設建設
- (3) 実施場所 ベトナム カントー市、チャビン省、ソクチャン省他
- (4) プロジェクト概要送電線敷設、変電所建設
- (5) カテゴリ分類カテゴリ A
- (6) カテゴリ分類の根拠環境ガイドラインに示される送配電セクターに該当するため。
- (7) 環境許認可 ベトナムの環境関係制度に基づき、送電線と変電所についての環境影響 評価報告書が作成された。2014年1月までに、すべてが、天然資源環境 省ないしソクチャン省天然資源環境局から承認を得た。
- (8) 汚染対策 大気、水質、騒音は、現地国基準及び国際基準を満たすことが見込まれ ている。汚染を防止するための適切な手段が取られていると判断される。
- (9) 自然環境面 送電線は、水田や果樹園として開墾された地域を通過し、原生林、自然 保護区、貴重種の生息地域は含まれていない。鉄塔建設による土木工事 が地形に与える影響は最小限と判断される。
- (10) 社会配慮面 送電線の通過地域に、文化遺産や史跡は含まれない。住居のそばを送電 線が通過する世帯全ては、自家農地内で移動して家屋を建替えられるた

め、遠隔地への移転は発生しない。地方政府や人民委員会によって、農業や家屋建替えへの金銭補償計画が策定されている。

- (11) 適用国際基準 World Bank Safeguard Policies
- (12) その他(モニタリング等) 大気、水質、騒音に関するモニタリングが実施され、環境当局に提出される予定である。

以上

Q1. Please provide the address of the project site.

Address of the project site: Tra Vinh, Vinh Long, Ben Tre, and Tien Giang Provinces, South Vietnam

Q2. Please provide brief explanation of the project.

The aim of the Project is to tranfer power of Duyen Hai Power plant to National electrical network in order to (1) reinforce capability of electrical supply for Ho Chi Minh City and other neighbour provinces and (2) combine with neighbour 500kV - 220kV T/Ls to establish a reliable and consisten network for current demand of additional charge in this area

Q3. Will NEXI insurance 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.

New Project Executing Project (without Claim etc.) Executing Project (with Claim etc.) 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.



Required (Completed) Not Required Required (Under execution or under planning) 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.

☐ Approved (without condition)☑ Under approval process	Approved (conditional) Others (Please specify)
Date of Approval:		

Q6. If environmental permit(s) other than EIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

	Obtained	Required, but not obtained yet	
\boxtimes	Not required	Others (Please specify)

Name(s) of required permit(s):

Q7. Will the insurance 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)

(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) 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.
- \Box (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: estim	ated 882 households (3,640 persons) to be
	resettled))	
(2)	Pumping of groundwater	(Scale:	m ³ /year)
(3)	Land reclamation, developm	ent and/or clearing (Scale:	ha)
(4)	Deforestation	(Scale:	ha)

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 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)

(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 or interests without additional capital investment)?

(No)

(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
- Oil and natural gas development (2)
-] (3) Pipelines
- (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- Petrochemicals (manufacture of raw materials; including complexes) (6)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals
- (9) Paper and pulp
- (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- Thermal power
- (11)(12) Nuclear power
- \Box (13) Hydro power, 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
- Ports and harbors (17)
- Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or (18) their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land clearing or irrigation
- (21) Forestry
- (22) Tourism (Construction of hotel, 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, pleased 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 length of this transmission line project is about 113.3 km. Under national regulation, this project must have an EIA approved by related authorities before starting construction work.

Q1. Please provide the address of the project site.

Address of the project site: Soc Trang, Hau Giang Provinces and Can Tho City, South Vietnam

Q2. Please provide brief explanation of the project.

The aim of the Project is to tranfer power of Long Phu No.1 Thernal plant to National electrical network in order to (1) reinforce capability of electrical supply for Soc Trang, Hau Giang Provinces, Can Tho City and other neighbour provinces and (2) combine with neighbour 500kV - 220kV T/Ls to establish a reliable and consisten network for current demand of additional charge in this area

Q3. Will NEXI insurance 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.

New Project Executing Project (without Claim etc.) Executing Project (with Claim etc.) 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.



Required (Completed) Not Required Required (Under execution or under planning) 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.

Approved (without condition)Under approval process	Approved (conditional)Others (Please specify)
Date of Approval:		

Q6. If environmental permit(s) other than EIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

	Obtained	Required, but not obtained yet	
\boxtimes	Not required	Others (Please specify)

Name(s) of required permit(s):

Q7. Will the insurance 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)

(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) 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?

(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	(Number of resettlers:)
(2)	Pumping of groundwater	(Scale:	m ³ /year)
(3)	Land reclamation, developm	ent and/or clearing (Scale:	ha)
(4)	Deforestation	(Scale:	ha)

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 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)

(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 or interests without additional capital investment)?

(No)

(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
- Oil and natural gas development (2)
-] (3) Pipelines
- (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- Petrochemicals (manufacture of raw materials; including complexes) (6)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals
- (9) Paper and pulp
- (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11)(12) Thermal power
- Nuclear power
- \Box (13) Hydro power, 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
- Ports and harbors (17)
- Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or (18) their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land clearing or irrigation
- (21) Forestry
- (22) Tourism (Construction of hotel, 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, pleased 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 length of this transmission line project is about 75.3 km. Under national regulation, this project must have an EIA approved by related authorities before starting construction work.

Q1. Please provide the address of the project site.

Address of the project site: Soc Trang Province, South Vietnam

Q2. Please provide brief explanation of the project.

The aim of the Project is to transfer power of Long Phu No.1 Thernal plant to National electrical network in order to (1) reinforce capability of electrical supply for Soc Trang, Hau Giang Provinces, Can Tho City and other neighbour provinces and (2) combine with neighbour 500kV - 220kV T/Ls to establish a reliable and consisten network for current demand of additional charge in this area

Q3. Will NEXI insurance 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.

New Project Executing Project (without Claim etc.) Executing Project (with Claim etc.) 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.



Required (Completed) Not Required Required (Under execution or under planning) 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.

Approved (without condition)Under approval process	Approved (conditional)Others (Please specify)
Date of Approval:		

Q6. If environmental permit(s) other than EIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

	Obtained	Required, but not obtained yet	
\boxtimes	Not required	Others (Please specify)

Name(s) of required permit(s):

Q7. Will the insurance 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)

(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) 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:)
(2)	Pumping of groundwater	(Scale:	m ³ /year)
(3)	Land reclamation, developme	ent and/or clearing (Scale: 3.3	ha)
(4)	Deforestation	(Scale:	ha)

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 sp	ecify	

Q11. 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)

(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 or interests without additional capital investment)?

(No)

(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
- Oil and natural gas development (2)
-] (3) Pipelines
- (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- Petrochemicals (manufacture of raw materials; including complexes) (6)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals
- (9) Paper and pulp
- (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- Thermal power
- (11)(12) Nuclear power
- \Box (13) Hydro power, 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
- Ports and harbors (17)
- Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or (18) their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land clearing or irrigation
- (21) Forestry
- (22) Tourism (Construction of hotel, 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, pleased 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 length of this transmission line project is about 34.6 km. Under national regulation, this project must have an EIA approved by related authorities before starting construction work.

Q1. Please provide the address of the project site.

Address of the project site: Can Tho City, South Vietnam

Q2. Please provide brief explanation of the project.

The aim of the Project is to (1) enhancing reliability and safety in power supply; (2) decreasing loss of capacity and electrical energy in the system and (3) improve quality of power.

Q3. Will NEXI insurance 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.

\boxtimes	

 New Project
 Executing

 Executing Project (without Claim etc.)
 Others (P

Executing Project (with Claim etc.) 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.

\boxtimes	Required (Completed)	Required (Under execution or under planning)	
	Not Required	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.

	Approved (without condition) Under approval process	Approved (conditional) Others (Please specify)
Data a	£ A		

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)?

	Obtained		Required, but not obtained yet
\boxtimes	Not required		Others (No permits required. The Project Owner
just needs	s to commit to local authorities that environ	nmen	t will be protected in line with local requirements
during co	nstruction)		

Name(s) of required permit(s):

Q7. Will the insurance 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)

(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) 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?

(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	(Number of resettlers:)
(2)	Pumping of groundwater	(Scale:	m ³ /year)
(3)	Land reclamation, developm	ha)	
(4)	Deforestation	(Scale:	ha)

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 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)

(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 or interests without additional capital investment)?

(No)

(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
- Oil and natural gas development (2)
-] (3) Pipelines
- \neg (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- Petrochemicals (manufacture of raw materials; including complexes) (6)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals
- (9) Paper and pulp
- (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11)(12) Thermal power
- Nuclear power
- \Box (13) Hydro power, 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
- Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or (18) their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land clearing or irrigation
- (21) Forestry
- \Box (22) Tourism (Construction of hotel, 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, pleased 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 project will be located in an area of 3.2 ha, providing a capacity of 250MVA in the first stage and will be expanded later. Under national regulation, no EIA is required for substation project, but just a commitment from Project Owner to protect environment during construction an operation of the project.