### 環境レビュー結果

- (1) 照会番号 10-056
- (2) プロジェクト名送電線施設
- (3) 実施場所 ベトナム ドンナイ省他
- (4) プロジェクト概要送変電施設の建設
- (5) カテゴリ分類 カテゴリ A
- (6) カテゴリ分類の根拠

本件は、環境ガイドラインに示される大規模な送変電・配電セクターに該当し、影響を及ぼしやすい特性を伴うため。

(7) 環境許認可

現地環境関係制度に基づき環境影響評価報告書が作成され、2010 年 2 月に現地環境当局 (環境森林省)から承認を受けている。南区間は EIA 手続き対象ではないが、プロジェクト実施者 により自主的に EIA レポートが作成され、その簡易版である Environmental Protection Commitment がディストリクト(省の下部行政地域)の人民委員会に提出され受理されている。

#### (8) 汚染対策

サイトは、極めて平坦な地域で標高差がほとんど無く、土壌流出による周辺水質への特段の影響は予見されない。

#### (9) 自然環境面

サイト及びその周辺には、当該国法令や国際条約等に定められた保護区は存在しない。サイトは農耕地や住居地域であり、未開発地域の開発ではなく、原生林、熱帯の自然林を含まず、森林破

壊は生じない。当該国の法律・国際条約等で保護が必要とされる貴重種の生息地および生態学的に重要な生息地を含まない。

### (10) 社会配慮面

本プロジェクトにより移転を含む社会経済的な影響を受ける住民や先住民族への配慮、影響を受ける文化遺産への配慮については、適切な対応計画が策定され措置が講じられている。

#### (11) その他(モニタリング等)

水質等に関するモニタリングの実施が計画されており、現地環境当局へ定期報告される。

以上

# Questions

Q1.	Please provide the address of the project site.						
	Address of the project site: Dong Nai and Binh Thuan province, South of Vietnam						
Q2.	Please provide brief explanation of the project	et.					
	transmission network in order to transmit the	e powe	N power center in Binh Thuan province to the national er generated by VINH TAN power center to national g demand in the South of Vietnam, especially from				
pleas	Will NEXI insurance be applied to a new pro- tion of strong claims by stakeholders station orders for construction work / operations,	uch as	r an executing project? In case of an executing project, s local residents, as well as improvement guidance or environmental authorities.				
	New Project Executing Project (without Claim etc.)		Executing Project (with Claim etc.) Others (Please specify )				
laws	In case of this project, is it necessary to ex or regulations of the country where the progress of EIA.	ecute ject is	Environmental Impact Assessment (EIA) based on the to be implemented? If necessary, please inform the				
	Required (Completed) Not Required		Required (Under execution or under planning) Others (Please specify )				
envi	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 )				
D:	ate of Approval: 29 May 2009ame of Authorities: Ministry of Natural Resour	rces ar	nd Environment				
<b>Q6.</b> Have	If environmental permit(s) other than EIA e you obtained required permit(s)?	is rec	quired, please provide the name of required permit(s).				
	☐ Obtained ☐ Not required		Required, but not obtained yet Others (Please specify )				
N	ame(s) of required permit(s):						
Q7. lease the t	Will the insurance be used for the undertake of machinery that has no relation with specifime of loan agreement)?	ing the	at cannot specify the project at this stage (e.g. export or ject, or Two Step Loan that cannot specify the project at				
	(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(s) shown below in and around project site(s)?
(Yes / 199)
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.
<ul> <li>(1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)</li> <li>(2) Primeval forests, tropical natural forests</li> </ul>
(2) Hindex tolesas, respect natural covers  (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?
(28 / 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: estimated 283 households to be resettled, 20% of which is involuntary resettlement at maximum)  (2) Pumping of groundwater (Scale: m³/year)
(3) Land reclamation, development 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)
(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 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)?

(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)	Manufacturing and transport of toxic or poisonous substances regulated by international treaties,
	etc.
(11)	Thermal power
(12)	Nuclear power
(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
(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 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 approximately 237km. Under national regulation, transmission lines of more than 100km will have to have an EIA approved by related authorities before starting construction work.

## **Ouestions**

Q1.	Please	provide the address of the project site.		
	Addres	s of the project site: Soc Trang and Ha	u Giai	ng province and Can Tho city, South of Vietnam
Q2.	Please	provide brief explanation of the projec	t.	
	transm	ission network in order to transmit the	e pov creasi	HU power center in Soc Trang province to the national ver generated by LONG PHU power center to national ing demand in the South of Vietnam, especially from liability between regional power centers and load area.
pleas	e inform	EXI insurance be applied to a new proj of strong claims by stakeholders su ers for construction work / operations,	ich as	an executing project? In case of an executing project, local residents, as well as improvement guidance or environmental authorities.
	⊠ Ne □ Exc	w Project cuting Project (without Claim etc.)		Executing Project (with Claim etc.) Others (Please specify )
laws	In case or regul ress of E	ations of the country where the proj	cute lect is	Environmental Impact Assessment (EIA) based on the to be implemented? If necessary, please inform the
		quired (Completed) t Required		Required (Under execution or under planning) Others (Please specify )
envir	onmenta	that EIA is already completed, please assessment system of the country wheed, please provide the date and name	ere th	m whether EIA report is already approved based on the le project is to be implemented or not. If EIA report is thorities of the approval.
	☐ Ap	proved (without condition) der approval process		Approved (conditional) Others (Please specify )
	ate of Ap ame of A	proval: uthorities:		
Q6. Have	If envi	ronmental permit(s) other than EIA ained required permit(s)?	is req	uired, please provide the name of required permit(s).
	☐ Ob ☑ No	tained trequired		Required, but not obtained yet Others (
as Pi	roject O	regulation, for transmission line less to wher will need to issue a written com of the Project)	han 1 mitm	00km, EIA report and permit are not required but NPT ent to protect the environment during the construction
Na	ame(s) o	frequired permit(s):		
Q7.	Will the of mach	ne insurance be used for the undertaking inery that has no relation with specific	ng tha c proj	at cannot specify the project at this stage (e.g. export or ect, or Two Step Loan that cannot specify the project at

the ti	me of loan agreement)?	
	(No)	
If you	u answered "Yes", it is not necessary to reply to the following que u answered "No", please reply to the following questions.	estions.
Q8.	Are there any environmentally sensitive area(s) shown below in	and around project site(s)?
	(Yes / <b>100</b> )	
If you	u answered "Yes", please select applicable items by marking, and u answered "No", please reply to questions 9 and after.	reply to following questions.
[	<ul> <li>(1) National parks, protected areas designated by governmentary minorities or indigenous populations, heritage sites, etc.)</li> <li>(2) Primeval forests, tropical natural forests</li> </ul>	nent (coastal areas, wetlands, habitats of
[	(2) Finite various states a corosis     (3) Ecologically important habitats (coral reefs, mangrove, tide (4) Habitats of endangered species of which protection is reagreements.	lal flats, etc.) equired under local laws and international
[	(5) Areas that have risks of large scale increase in soil salinity (6) Desertification areas	or soil erosion
[	(8) Habitats of minorities, indigenous populations, nomadic with special social value	and/or cultural viewpoints people with traditional life style, or areas
Q9.	Does the project involve following characteristics?	
	(No)	
after	u answered "Yes", please describe the scale of applicable charac	teristics, and reply to the questions 10 and
	u answered "No", please reply to questions 11 and after.	1242
٥	of which is involuntary resettlement at maximum)	nated 265 households to be resettled, 20%
֖֝֞֟֞֝֟֝֟֝֝֟֝֟֝֝֟֝֟֝֟֝֟֝ ֖֖֖֖֓	(2) Pumping of groundwater (Scale: (3) Land reclamation, development and/or clearing (Scale: (4) Deforestation (Scale:	m <sup>3</sup> /year ) ha) ha)
impl	. Under the environmental impact assessment system of temented do the applicable characteristics from (1) - (4) above a lA for the project?	the country where the project is to be and their scale serve as basis for executing
	☐ They do ☑ They do not ☐ Others (Please specify	)
total	. Will the value insured by NEXI in the export, loan or investm project cost, or equal or less than SDR 10 million? (In the case of the accumulated total amount)	nent project be equal or less than 5% of th of additional support for a past project, thi
	(Yes / 100)	
lf yo	ou answered "Yes", it is not necessary to reply to the following que answered "No", please reply to questions 12 and after.	estions.

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 project, acquisition of rights or interests without additional capital investment)?
(Yes / <b>10</b> )
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 / 14)
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   Pipelines   Iron and steel (projects that include large furnaces)   Non-ferrous metals smelting and refining   Petrochemicals (manufacture of raw materials; including complexes)   Petroleum refining   Oil, gas and chemical terminals   Paper and pulp   Manufacturing and transport of toxic or poisonous substances regulated by international treaties etc.   (11)   Thermal power   Nuclear power   Hydro power, dams and reservoirs   Power transmission and distribution lines involving large-scale involuntary resettlement large-scale logging or submarine electrical cables   Roads, railways and bridges   Airports   Ports and harbors   Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas of their vicinity   Waste management and disposal   Agriculture involving large-scale land clearing or irrigation   Forestry   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 executive 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 85km. Under national regulation, only transmission lines of more than 100km will have to have an EIA approved by related authorities before starting construction work.

# Questions

Q1.	Plea	ase provide the address of the project site		
	Add	ress of the project site: Binh Thuan provi	nce, S	South of Vietnam
Q2.	Plea	ase provide brief explanation of the projec	ct.	
	nat		r the i	ne power generated by VINH TAN power center to increasing demand in the South of Vietnam, improving network.
pleas	e inf		uch a	or an executing project? In case of an executing project s local residents, as well as improvement guidance or environmental authorities.
		New Project Executing Project (without Claim etc.)		Executing Project (with Claim etc.) Others (Please specify )
laws	or re			Environmental Impact Assessment (EIA) based on the to be implemented? If necessary, please inform the
[		Required (Completed) Not Required		Required (Under execution or under planning) Others (Please specify )
envir	onme		iere th	m whether EIA report is already approved based on the ne project is to be implemented or not. If EIA report is thorities of the approval.
[		Approved (without condition) Under approval process		Approved (conditional) Others (Please specify )
		Approval: f Authorities:		
		nvironmental permit(s) other than EIA obtained required permit(s)?	is req	uired, please provide the name of required permit(s).
		Obtained Not required		Required, but not obtained yet Others ( )
		required. The Project Owner just need n line with local requirements during con		commit to local government that environment will be ion period.)
Na	me(s	of required permit(s):		
	of m	the insurance be used for the undertakin achinery that has no relation with specific loan agreement)?	ng tha c proj	t cannot specify the project at this stage (e.g. export or ect, or Two Step Loan that cannot specify the project at

(No	
	wered "Yes", it is not necessary to reply to the following questions. wered "No", please reply to the following questions.
Q8. Are	there any environmentally sensitive area(s) shown below in and around project site(s)?
(Ye	
	wered "Yes", please select applicable items by marking, and reply to following questions. wered "No", please reply to questions 9 and after.
<u></u> (2	<ul> <li>National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)</li> <li>Primeval forests, tropical natural forests</li> <li>Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)</li> </ul>
	Habitats of endangered species of which protection is required under local laws and international agreements.
	Areas that have risks of large scale increase in soil salinity or soil erosion  Desertification areas
	Areas with special values from archaeological, historical and/or cultural viewpoints  Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value
Q9. Doe	s the project involve following characteristics?
(Yes	
after.	wered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and wered "No", please reply to questions 11 and after.
•	Involuntary resettlement (Number of resettlers: )
(2)	Pumping of groundwater (Scale: m³/year)  Land reclamation, development and/or clearing (Scale: ha)
	Deforestation (Scale: ha)
implement	der the environmental impact assessment system of the country where the project is to be ed, do the applicable characteristics from (1) – (4) above and their scale serve as basis for executing the project?
	They do
•	If the value insured by NEXI in the export, loan or investment project be equal or less than 5% of the

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)

(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 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)?

(Yes / 1881)

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 / 186)

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.

	[ (I)	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)	Manufacturing and transport of toxic or poisonous substances regulated by international treaties,
		etc.
	(11)	Thermal power
	(12)	Nuclear power
	(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
	(18)	Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or
_	ļ	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 project will locate in an area of 12.7 ha, providing a capacity of 450MVA in the first stage and to be expanded to 900MVA later. Under national regulation, no EIA is required for substation project, but just a commitment from Project Owner to protect the environment during construction and operation of the Project.

## Questions

Q1.	Ple	se provide the address of the project site.		
	Add	ress of the project site: Dong Nai provinc	e, Soi	uth of Vietnam
Q2.	Plea	ase provide brief explanation of the projec	:t.	
	pla of	n to national power network, supplying p	ower	ne power generated by NHON TRACH 2 thermal power at 110kV level for the increasing demand in the South approving the efficiency and reliability of the national
pleas	e inf		ich as	r an executing project? In case of an executing project slocal residents, as well as improvement guidance or environmental authorities.
,		New Project Executing Project (without Claim etc.)		Executing Project (with Claim etc.) Others (Please specify )
laws	or re			Environmental Impact Assessment (EIA) based on the to be implemented? If necessary, please inform the
		Required (Completed) Not Required		Required (Under execution or under planning) Others (Please specify )
envir	onme	ase that EIA is already completed, please ntal assessment system of the country wh proved, please provide the date and name	ere th	m whether EIA report is already approved based on the project is to be implemented or not. If EIA report is thorities of the approval.
		Approved (without condition) Under approval process		Approved (conditional) Others (Please specify )
		Approval:		
	•			
		nvironmental permit(s) other than EIA i obtained required permit(s)?	is r <b>eq</b>	uired, please provide the name of required permit(s).
[	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Obtained Not required		Required, but not obtained yet Others ()
				equired but NPT as Project Owner will need to issue a construction and operation of the Project)
Na	me(s	of required permit(s):		
	of m	the insurance be used for the undertaking achinery that has no relation with specific loan agreement)?	ng tha	t cannot specify the project at this stage (e.g. export or ect, or Two Step Loan that cannot specify the project at

(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(s) shown below in and around project site(s)?
(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.
<ul> <li>□ (1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)</li> <li>□ (2) Primeval forests, tropical natural forests</li> <li>□ (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)</li> <li>□ (4) Habitats of endangered species of which protection is required under local laws and international agreements.</li> <li>□ (5) Areas that have risks of large scale increase in soil salinity or soil erosion</li> <li>□ (6) Desertification areas</li> <li>□ (7) Areas with special values from archaeological, historical and/or cultural viewpoints</li> <li>□ (8) Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value</li> </ul>
Q9. Does the project involve following characteristics?
(Yes / 1882)
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: m³/year) ☐ (3) Land reclamation, development 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
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)
(Yes/關鍵)
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)?

(Yes / 編章)

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 / 199)

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) (2) (3)	)	Mining Oil and natural gas development Pipelines
H	(4		Iron and steel (projects that include large furnaces)
Ħ	(5		Non-ferrous metals smelting and refining
Ħ	(6		Petrochemicals (manufacture of raw materials; including complexes)
Ħ	(7		Petroleum refining
Ħ	(8		Oil, gas and chemical terminals
П	(9		Paper and pulp
	- 1 .	<b>b</b> )	Manufacturing and transport of toxic or poisonous substances regulated by international treaties,
	•	ļ ·	etc.
	(1	1)	Thermal power
	(1	2)	Nuclear power
	(1	3)	Hydro power, dams and reservoirs
	(1	4)	Power transmission and distribution lines involving large-scale involuntary resettlement,
	·		large-scale logging or submarine electrical cables
	(1	5)	Roads, railways and bridges
		6)	Airports
	(1	7)	Ports and harbors
	(1	8)	Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or
			their vicinity
	(1	9)	Waste management and disposal
	(2	(0)	Agriculture involving large-scale land clearing or irrigation
	(2	(1)	Forestry
	(2	(2)	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 locate in an area of 3ha, providing a capacity of 250MVA in the first stage and to be expanded to 500MVA later. Under national regulation, no EIA is required for substation project, but just a commitment from Project Owner to protect the environment during construction and operation of the Project.