## 環境チェックレポート

- (1) プロジェクト名LNG プラントの建設等
- (2) 実施場所 イエメン共和国 Marib 州及び Shabwa 州
- (3) プロジェクト概要LNG プラントの建設等
- (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大規模なガスターミナル及びパイプラ インに該当し、周辺に影響を受けやすい地域があるため。
- (6) 環境許認可 本件環境社会配慮に係る Environmental Social Impact Assessment が作成 され、2005 年 12 月、Environmental Protection Authority 及び Ministry of Water and Environment より承認済みである。
- (7) 汚染対策 大気質、水質及び騒音の計画値は、国際的な基準を満足する。
- (8) 自然環境面 LNGプラント建設地付近の海域に珊瑚礁が存在するが、珊瑚礁への影響を回 避するため、桟橋等海上設備の設置位置等につき適切な配慮がなされている。
- (9) 社会配慮面 本事業実施に伴う住民移転は発生しない。LNG プラント建設地付近の被影響 住民(漁業者)に対しては、漁業の各種補償策が実施されている。 LNG プラント建設地及びパイプラインルートに新たに遺跡が発見された場合、発掘 調査や記録等の対策を行なうことになっている。
- (10) その他・モニタリング 世界銀行基準に沿って作成された Environmental Social Management Plan に基づき、大気質・水質・騒音等についてモニタリングを実施する予定。

## Questions

Q1. Please provide the address of the project site	e.	
Balhaf, Gulf of Aden, Republic of Yemen		
	on months of the second of the	200,000 m3 - 1280 Mscf/d capacity
inform the presence of strong claims by local resid	ients.	
X New Project		Executing Project (with Claim) Others (Please specify )
☐ Executing Project (without Claim)		Others (Flease specify
Q4. In case of this project, is it necessary to enlaws or regulations? If necessary, please inform Required (Completed)  Not Required	the pro	Environmental Impact Assessment (EIA) based on the ogress of EIA.  Required (Under execution or under planning) Others (Please specify
Q5. In case that EIA is already completed, pleas environmental assessment system or not. If EIA of authorities of the approval.	ses info	orm whether EIA report is already approved based on the t is already approved, please provide the date and name
☐ Approved (without condition)		Approved (conditional)
☐ Under approval process	X	Others (Please specify )
Date of Approval :		
Name of Authorities :		
A working draft will be provided mid Novem January 2006	ber 20	005, a final draft for publication will be issued early
Q6. If environmental permit(s) other than ELA Have you obtained required permit(s)?	A is re	equired, please provide the name of required permit(s).
☐ Obtained	X	Required, but not obtained yet
☐ Not required		Others (Please specify )
Name(s) of required permit(s) :permit to dri	ill for v	water from the Ministry of Water,
Q7. Will the loan be used for the undertaking the of machinery that has no relation with specific pretime of loan agreement)?	hat car roject,	nnot specify the project at this stage (e.g. export or lease or Two Step Loan that cannot specify the project at the

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	u answered "Yes", please select applicable items by marking, and reply to following questions. u 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>
	<ul> <li>X (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> </ul>
	<ul> <li>□ (5) Areas that have risks of large scale increase in soil salinity or soil erosion</li> <li>□ (6) Desertification areas</li> <li>X (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 elements?
	(Yes / No)
If yo	u answered "Yes", please describe the scale of applicable elements, and reply to the questions 10 and after. u answered "No", please reply to questions 11 and after.
X X	(2) Pumping of groundwater (Scale: 292000 ton/year, during 2 years while building the pipeline)
Q10 In th 9?	Please reply to this question only in case that the project involves some of the above (1) to (4) elements. The country where the project is planned, are there any regulations on a scale of the elements asked in question. If the country has such regulation, please answer whether the project satisfies the regulation or not.
X	Regulation is applicable ( satisfied not satisfied) No regulation Others (Please specify: no regulation on quantity, but permits to be obtained from ministry of water)
Plea	se reply to questions 11 and after.
Q11 JBIO	Will JBIC share in the project be equal or less than 5% of the total project cost, or the total amount of Cloan equal or less than SDR 10 million?
	( <del>Yes</del> / No)
If yo	ou answered "Yes", it is not necessary to reply to the following questions. ou answered "No", please reply to questions 12 and after.
is	Does the project belong to either of the sectors that impact on the environment is deemed immaterial or not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary enovation project, acquisition of rights or interest without additional plant 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)	Hydro power plant, Dam or water reservoir
	(2)	Thermal power plant
	(3)	Mines
	(4)	Development of oil and gas
X	(5)	Pipeline
	(6)	Steel industry (with large scale furnace)
	(7)	No-ferrous metal refining
□ X		Petrochemical (including manufacturing of raw materials and petrochemical complex) Terminal of oil, gas and chemicals
		Petroleum refining
	(11)	Paper and pulp
	(12)	Manufacturing and/or transportation of hazardous substances (specified by international agreement)
	(13)	Road, railway or bride
	(14)	Airport
	(15)	Port
	(16)	Waste material processing or treatment
	(17)	Treatment of sewage and/or waste water that includes hazardous substances or executed at environmentally sensitive area
	(18)	Power transmission and/or distribution lines (including large scale involuntary resettlement, large scale deforestation or submarine cable)
	(19)	Tourism (Construction of hotel, etc.)
	10000000	Forestry or tree planting
		Agriculture (large scale project and/or project including irrigation)

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.

Pipeline: 320km Plant: 1km2

Fenced plant site at Balhaf: 10km2

Note A: The project also involves construction and operation of an approximately 200 km pipeline totransport natural gas that has been reserved for domestic use from the dedicated fields to Ma'bar, south of Sana'a ("spur line"). Construction of the spur line may not commence until the ESIA has been amended to the extent necessary to reflect the spur line (or a separate ESIA has been prepared for the spur line) and the independent environmental and social consultant confirms that the spur line complies in all material respects with YLNG's Environmental and Social Management Plan.