環境チェックレポート

- (1) プロジェクト名 天然ガス開発プロジェクト
- (2) 実施場所カタール ラス・ラファン工業地帯
- (3) プロジェクト概要 天然ガス田開発、ガス処理及びガス製品の販売
- (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影響を及ぼしやすいセクター(石油・ 天然ガス開発、パイプラインセクター)に該当し、影響を受けやすい地域 あるいはその近傍に立地するため。

(6) 環境許認可

当局からの必要な環境許認可を取得済。

(7) 汚染対策

大気質、水質、廃棄物及び騒音・振動への影響に対して、適切な措置が講 じられている旨、確認されている。

(8) 自然環境面

自然環境面への影響に対して、適切な措置が講じられている旨、確認されている。

(9) 社会配慮面

本件に伴う住民移転は発生せず、適切な措置が講じられている旨、確認されている。

(10) その他・モニタリング

大気質及び海洋生態系保護活動につきモニタリング予定。

Questions

Q1. Please provide the address of the project site.	
Address of the project site: Ras Laffan Indus	trial City, Plot W18, Qatar
Q2. Please provide brief explanation of the project.	
The objective of Barzan Project is to supply domedevelopment and industrial growth.	estic gas to meet the State of Qatar's energy needs to sustain its infrastructure
field condensate will be removed from the wet gas is refrigerated and processed to extract natural gas li-	I and exported to an onshore gas treatment plant. Onshore, produced water and in the onshore slug catcher. The gas will be treated to remove impurities and then quids (NGL), leaving residual methane gas for pipeline sales. The NGL will be propane, butane and condensate. Elemental sulfur will be extracted from sulfur gas in Sulfur Recovery Units (SRUs) and routed, in liquid form, to the Common
Q3. Will JBIC loan be applied to a new project of claims by stakeholders such as local residents, a operations, from environmental authorities.	r an executing project? In case of an executing project, please inform of strong as well as improvement guidance or cessation orders for construction work /
☑ New Project	☐ Executing Project (with Claim etc.)
Executing Project (without Claim etc.)	Others (Please specify)
Q4. In case of this project, is it necessary to execut country where the project is to be implemented? If	e Environmental Impact Assessment (EIA) based on the laws or regulations of the necessary, please inform the progress of EIA.
Required (completed)	Required (under execution or under planning)
☐ Not Required	☐ Others (Please specify)
Q5. In case that EIA is already completed, plear assessment system of the country where the project date and name of authorities of the approval.	se inform whether EIA report is already approved based on the environmental tis to be implemented or not. If EIA report is already approved, please provide the
Approved (without condition)	Approved (conditional)
☐ Under approval process	Others (Please specify)
Date of Approval: Name of Authorities:	

Q6. If environmental permu(s) other than EIA required permit(s)?	is required, please provide the n	iame of required permit(s)	. Have you obtained
☐ Obtained	Required, but not obtain	ined yet	•
Not required □	Others (Please specify)	
Name(s) of required permit(s):			
		*	
Q7. Will the loan be used for the undertaking to no relation with specific project, or Two Step L	hat cannot specify the project at oan that cannot specify the proj	this stage (e.g. export or ject at the time of loan agr	lease of machinery that has eement)?
No			
If you answered "Yes", it is not necessary to reply ou answered "No", please reply to the follow			
Q8. Are there any environmentally sensitive ar	ea shown below in and around	project site?	
Yes	7		
If you answered "Yes", please select applicable If you answered "No", please reply to question		following questions.	
 (1) National parks, protected areas de populations, heritage sites, etc.) (2) Primeval forests, tropical natural for sites (a) Ecologically important habitats (not sites (a) Habitats of endangered species of (b) Areas that have risks of large scales (c) Areas with special values from an (a) Habitats of minorities, indigenous value 	forests nangrove, tidal flats, etc.) which protection is required un e increase in soil salinity or soil	nder local laws and internaterosion	utional agreements,
Q9. Does the project involve following charac	teristics?		
No			·
If you answered "Yes", please describe the sca If you answered "No", please reply to question	the of applicable characteristics, as 11 and after,	and reply to the questions	s 10 and after.
(1) Involuntary resettlement (Number of a (2) Pumping of groundwater (Scale: m/y) (3) Land reclamation, development and/o (4) Deforestation (Scale: ha)	rear)		

	Q10. Under the environmental impact a characteristics from (1) -(4) above and t	assessment system of the cour heir scale serve as basis for ex-	itry where the pro- ecuting an EIA for	ject is to be implethe project?	emented, do t	he applicable
	☐ They do ☐ Others (please specify)	☐ They do not				
	Not applicable					
	QII. Will JBIC share in the project be of than SDR 10 million? (In the case of ad					equal or less
	No					
	If you answered "Yes", it is not necessa If you answered "No", please reply to qu		estions.			

	Q12. Does the project belong to either of normal conditions (e.g. maintenance interests without additional capital in	e of the existing facilities, no	e environment is d on-expansionary re	eemed immateria	l or is not anti , acquisition	cipated under of rights and
	No If you answered "Yes", it is not necessa If you answered "No", please reply to the		ons.			
,	Q13. Does the project belong to the foll Yes	owing sectors?				
	If you answered "Yes", please specify the If you answered "No", it is not necessar			nd after.		
_	□ (1) Mining □ (2) Oil and natural gas developm □ (3) Pipelines □ (4) Iron and steel (projects that in □ (5) Non-ferrous metals smelting and (6) Petrochemicals (manufacture and (7) Petroleum refining	clude large furnaces) and refining	mplexes)			
	(8) Oil, gas and chemical termina (9) Paper and pulp (10) Manufacture and transport of (11) Thermal power (12) Nuclear power (13) Hydropower, dams and rese	of toxic or poisonous substance	s regulated by inte	rnational treaties,	etc.	,
	☐ (14) Power transmission and distribution logging or submarine election [15] Roads, railways and bridges [16] Airports	ribution lines involving large-s trical cables	cale involuntary re	setflement, large-	scale	
	(17) Ports and harbors (18) Sewage and wastewater treavicinity	tment having sensitive charact	eristics or located i	n sensitive areas	or their	

(19) Waste management and disposal
(20) Agriculture involving large-scale land-clearing or irrigation
(21) Forestry
(22) Tourism (construction of hotels, etc.)
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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 total onplot project area is approximately 3,055,000 m². The area allocated to plants and buildings is approximately 1,744,000m².

The Barzan Project will provide for the following production capacity:

HP and MP Sales Gas: 2,130 MMscfd

Ethane: 90 MMscfd

- Ethane; 90 MM/Scid

 Propane: 1,548 MT/d

 Butane: 1,156 MT/d

 Plant Condensate: 9,315 Bbl/d

 Field Condensate: 39,795 Bbl/d

 Sulfur: 5,799 MT/d

Units:

MMscfd: Million standard cubic feet per day MT/d: Metric tonnes per day

Bbl/d: Barrels per day

Execution of an EIA is required by the State of Qatar Ministry of Environment for large scale projects such as the Barzan Project. Refer to the Ministry of Environment 2005 Executive By Law No.4 of Law 30 of 2002 that provides a list of categories of projects for which an EIA is required.