環境チェックレポート

- (1) プロジェクト名硫酸製造プラント新設プロジェクト
- (2) 実施場所 トルクメニスタン/トルクメナバード市
- (3) プロジェクト概要 硫酸製造プラントの建設
- (4) カテゴリ分類カテゴリB

(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セクター(石油・ガス・化学物質ターミナル)のうち大規模なものに該当せず、環境への望ましくない影響は重大でないと判断され、かつ影響を及ぼしやすい特性を持たず、影響を受けやすい地域またはその近傍に立地しないため。

(6) 環境許認可

本プロジェクトの環境影響評価報告書(以下、「EIA報告書」)は、同国制度に基づき同国環境管理局(以下、「当局」)より2012年12月10日に付帯条件付で承認されている。

(7) 汚染対策

水質、廃棄物、騒音・振動の計画値は現地基準に沿った適切な対策計画を策定・実施している。大気質については、SOx 排出値は現地基準を満たす計画であり、環境値については現地基準を超過するものの、世銀基準を概ね満たす計画である。

(8) 自然環境面

サイト内及び周辺に保護区及び貴重動植物の生息域、文化遺産は存在せず、 本プロジェクト実施に伴う景観への悪影響も予見されていない。

(9) 社会配慮面

本プロジェクトにおいては、新たな用地取得及び自発的住民移転は存在して

いない。また労働環境についても、事業者は同国の労働環境に係る法令を遵守する計画である。

(10)適用国際基準世銀セーフガードポリシー

(11) その他・モニタリング 大気質及び騒音に関するモニタリングを実施する予定。

以上

Questions

	ddress of the project site : Turkmenaba		
Q2. P	lease provide brief explanation of the project	et.	
Enginee Plant	ering and Procurement of Equipment and	Mate	rials with Construction for 500,000 T/Y Sulfuric
please i		uch a	n executing project? In case of an executing pr s local residents, as well as improvement guidan environmental authorities.
	New Project Executing Project (without Claim etc.)		Executing Project (with Claim etc.) Others (Please specify
laws or			Environmental Impact Assessment (EIA) based of to be implemented? If necessary, please inform
	Required (completed) □ Not Required		Required (under execution or <u>under planning</u>) Others ()
environ		nere t	he project is to be implemented or not. If EIA rep
environ	mental assessment system of the country w	nere t	he project is to be implemented or not. If EIA rep
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	\Box (1)	National parks protect	ed areas designated by governi	ment (coastal areas, we	tlands habits
		minorities or indigenou	s populations, heritage sites, etc		manas, naon
		Primeval forests, tropic Ecologically important	al natural forests habitats (coral reefs, mangrove,	tidal flats, etc.)	
	· /	Habitats of endangered	species of which protection is r		s and internat
	☐ (5)	agreements. Areas that have risks of	f large scale increase in soil salir	nity or soil erosion	
	\square (6)	Desertification areas			
		•	es from archaeological, historica indigenous populations, noma il value	=	
Q9.	Does the	project involve followir	ng characteristics?		
	(No)				
	(No)	1.277 10 1 1 1			
	u answered	d "Yes", please describe	e the scale of applicable charact	eristics, and reply to the	e questions 1
If you after.	u answered	d "Yes", please describe		eristics, and reply to the	e questions 1
If you after.	u answered u answered			eristics, and reply to the	e questions 1
If you after. If you	u answered u answered (1) Inv (2) Pu	d "No", please reply to q roluntary resettlement inping of groundwater	questions 11 and after. (Number of resettlers: (Scale:) m³/year)	e questions 1
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is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary

renovation project, acquisition of rights and interests without additional capital investment)?

(No))
If you answ	e
If you answ	e

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)

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)	Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
	(11)	Thermal power
	(12)	Nuclear power
	(13)	Hydropower, 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
Ц	, ,	Waste management and disposal
	(20)	Agriculture involving large-scale land-clearing or irrigation
		Forestry
	(22)	Tourism (construction of hotels, 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.

Project Area: 5.72 ha (520m x 110m) Area of plants and buildings: ditto

Production Capacity: 500,000 T/Y Sulfuric Acid

Storage Capacity: 20,000 ton

Amount of power generation: 13.5MW