Environmental Examination Report

(1) Project Name

Producing and marketing of refined products and petrochemical products

(2) Project Site

Rabigh, Kingdom of Saudi Arabia

(3) Project Outline

Upgrade of an existing refinery, construction of new petrochemical plants, and producing and marketing of refined products and petrochemical products

(4) Category Classification

Category A

(5) Reason for Classification

The Project is classified as a sensitive sector (Petrochemical, Petroleum refining, and Thermal power generation sector), includes sensitive characteristics and is located in or near sensitive areas under the Guidelines.

(6) Environmental Permits and Approvals

EIA report for the project was approved by Ministry of Petroleum and Mineral Resources (MinPet) on 9 August, 2011 with the condition (the mitigation plan of air emission) attached. Such condition was approved by MinPet on 27 March, 2013.

(7) Pollution Mitigation Measures

Such items as air quality, water quality, waste, noise and vibration are properly managed in accordance with local standards and IFC Performance standards, and the waste will be treated properly.

(8) Natural Environment

The project site and the nearby side do not encompass the protected area and the habitats of nationally protected species.

- (9) Social Environment

 The project does not involve new land acquisition or resettlement.
- (10) International Standard IFC Performance standards
- (1 1) Others, Monitoring
 Monitoring will be conducted with regard to air emission.

Questions

Q1. Please provide the address of the project	site.		
Address of the project site: P.O. Box 66	66, Rabigi	n 21911, Saudi Arabia	
Q2. Please provide brief explanation of the p Expansion of existing ethane cracker and consutilities & infrastructures	roject. struction o	of a new aromatics complex, other proce	ss facilities and
Q3. Will JBIC loan be applied to a new proplease inform of strong claims by stakeholde cessation orders for construction work / operation	ers such a	is local residents, as well as improveme	ecuting project, ent guidance or
☐ 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 laws or regulations of the country where the progress of EIA.	execute project is	Environmental Impact Assessment (EIAs to be implemented? If necessary, ple	a) based on the ase inform the
☐ Required (completed) ☐ Not Required	B R	equired (under-execution-or under plamin Others (Please specify	ng-revision) 、
Q5. In case that EIA is already completed, plenvironmental assessment system of the countralready approved, please provide the date and management of the countralready approved.	y where t	he project is to be implemented or not.	ed based on the If EIA report is
☐ Approved (without condition)☐ Under approval process		Approved (conditional) Others (Please specify)
Date of Approval: <u>August 9, 2011</u> Name of Authorities: <u>Ministry of Petroleum</u>	n & Mine	ral Resources	
Q6. If environmental permit(s) other than I have you obtained required permit(s)?	EIA is re	quired, please provide the name of requ	ired permit(s).
☐ Obtained ■ Not required		Required, but not obtained yet Others (Please specify	· •
Name(s) of required permit(s):			
Q7. Will the loan be used for the undertaking of machinery that has no relation with specific time of loan agreement)?	g that can project, o	not specify the project at this stage (e.g. or Two Step Loan that cannot specify the	export or lease project at the
(¥es / No)			
If you answered "Yes", it is not necessary to rep	oly to the	following questions.	

. If you answered "No", please reply to the following questions.

			- ·
Q8,	Ar	e the	re any environmentally sensitive area shown below in and around project site?
	(Y	es/	No)
If yo If yo	u an u an	swere	ed "Yes", please select applicable items by marking, and reply to following questions. ed "No", please reply to questions 9 and after.
		(1)	National parks, protected areas designated by government (coastal areas, wetlands, habitats ominorities or indigenous populations, heritage sites, etc.)
		(2)	Primeval forests, tropical natural forests
	7	(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
			Desertification areas
		(8)	Areas with special values from archaeological, historical and/or cultural viewpoints Habitats of minorities, indigenous populations, nomadic people with traditional life style, of areas with special social value
Q9.	Doe	s the	project involve following characteristics?
	(Yes	/ - }\€	· · · · · · · · · · · · · · · · · · ·
aritor.			d "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and "No", please reply to questions 11 and after.
	(2) (3)	Pun Land	oluntary resettlement (Number of resettlers:) nping of groundwater (Scale: m³/year) d reclamation, development and/or clearing (Scale: 7.3million m² (730 ha)) forestation (Scale: ha)
Q10. impler an El/	шсін	ca, a	the environmental impact assessment system of the country where the project is to be o the applicable characteristics from $(1) - (4)$ above and their scale serve as basis for executing roject?
	The		■ They do not
	Oth ,	ers (I	Please specify)
Q11. IBIC I	UALL	cdag	IC share in the project be equal or less than 5% of the total project cost, or the total amount of or less than SDR 10 million? (In the case of additional support for a past project, this shall be total amount)
(Yes	=/ No	o)
f you f you	ansv ansv	ered ered	"Yes", it is not necessary to reply to the following questions. "No", please reply to questions 12 and after.

y, and the same and the same area.

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 and 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
月	(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.
		Thermal power
	(12)	Nuclear power
\square .	(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
4	(19)	Waste management and disposal
	(20)	Agriculture involving large-scale land-clearing or irrigation
\square		Forestry
П	(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.

R2 land area: about 3.6 million m2 (including 3rd party projects area) In addition, contractors' camp site: about 3.7 million m2

Volume of petrochemical end products: About 3 million ton per annual Power generation capacity: 240MW

