#### Japan Bank for International Cooperation

#### Environmental Examination Report

### (1) Project Name

Gas-fired Combined Cycle Power Plant Project

#### (2) Project Site

Hamriyah, Emirate of Sharjah, the United Arab Emirates

### (3) Project Outline

The project consists of the construction and operation of power generation plant.

# (4) Category Classification

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#### (5) Reason for Classification

The project falls into the sensitive sector (thermal power sector) under the Environmental Guidelines.

#### (6) Environmental Permits and Approvals

The Environmental and Social Impact Assessment (ESIA) on this project was prepared in compliance with the United Arab Emirates laws and regulations and approved on November 1<sup>st</sup>, 2018 with some conditions.

#### (7) Pollution Mitigation Measures

It is confirmed that air quality and water quality will meet the local and international standards. It is confirmed that waste control, noise and vibration control will be properly managed.

#### (8) Natural Environment

It is confirmed that appropriate measures for the protection of the natural environment are being undertaken..

### (9) Social Environment

There are no local people who are socially or economically affected by the project.

#### (10) International Standard

IFC Performance Standards

## (11) Others, Monitoring

Taking the above environmental review into consideration, JBIC will monitor the project's compliance with the conditions attached to the ESIA report.

# Questions

Q1. Please provide the address of the project site.				
Address of the project site: Al Hamriyah site in the Emirates of Sharjah (	approximately 50km north-east of the city of Dubai)			
<b>Q2.</b> Please provide brief explanation of the project Development of IPP having a net power generation	t. <u>capacity of approximately 1,800MW</u>			
Q3. Will JBIC loan be applied to a new project or an executing project? In case of an executing project, please inform of strong claims by stakeholders such as local residents, as well as improvement guidance or cessation orders for construction work / operations, from environmental authorities.				
■ New Project □ Executing Project (without Claim etc.)	<ul><li>☐ Executing Project (with Claim etc.)</li><li>☐ Others (Please specify</li></ul>	)		
<b>Q4.</b> In case of this project, is it necessary to execute Environmental and Social Impact Assessment (ESIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of ESIA.				
<ul><li>☐ Required (completed )</li><li>☐ Not Required</li></ul>	<ul><li>■ Required (under execution or under planning)</li><li>□ Others (Please specify</li></ul>	)		
<b>Q5.</b> In case that ESIA is already completed, please inform whether ESIA report is already approved based on the environmental and social assessment system of the country where the project is to be implemented or not. If ESIA report is already approved, please provide the date and name of authorities of the approval.				
<ul><li>□ Approved (without condition)</li><li>□ Under approval process</li></ul>	<ul><li>□ Approved (conditional)</li><li>■ Others (Plan to get approval</li></ul>	)		
Date of Approval:Name of Authorities:				
<b>Q6.</b> If environmental and social permit(s) other than ESIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?				
<ul><li>☐ Obtained</li><li>■ Not required</li></ul>	<ul><li>☐ Required, but not obtained yet</li><li>☐ Others (Please specify</li></ul>	)		
Name(s) of required permit(s):				
Q7. Will the loan be used for the undertaking the of machinery that has no relation with specific protime of loan agreement)?	at cannot specify the project at this stage (e.g. export o ject, or Two Step Loan that cannot specify the project	r lease at the		
(No)				
If you answered "Yes", it is not necessary to reply If you answered "No", please reply to the following	o the following questions. questions.			

Q8.	Are there any environmentally sensitive area(s) shown below in and around project site(s)?			
	(No)			
If you answered "Yes", please select applicable items by marking, and reply to the following questions. If you answered "No", please reply to the questions 9 and after.				
	□ (1)	National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments)		
	□ (2)	Forests with important ecological value (including primary forests and natural forests in tropical areas)		
	□ (3)	Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal		
	□ (4)	flats.) Habitats of rare species requiring protection under domestic legislation, international treaties,		
	☐ (5) ☐ (6) ☐ (7) ☐ (8)	etc.  Areas in danger of large-scale salt accumulation or soil erosion  Areas with a remarkable tendency towards desertification  Areas with unique archaeological, historical or cultural value  Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value		
Q9. Does the project involve following characteristics?  (No)				
after		ed "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and d "No", please reply to the questions 11 and after.		
	(1) In	voluntary resettlement and/or loss of means of livelihood		
	(2) Pu	(Number of affected people: )  Imping of groundwater (Scale: m³/year)		
	(3) La	and reclamation, development and/or clearing (Scale: ha) eforestation (Scale: ha)		
Q10.	emented,	r the environmental and social impact assessment system of the country where the project is to be do the applicable characteristics from $(1) - (4)$ of the questions 9 above and their scale serve as uting an ESIA for the project?		
	They of Others	They do not (Please specify )		
Q11	May	the project involve significant social impacts?		
	(No)			
If yo	ou answere ou answere	ed "Yes", please describe the outline of the impacts, and reply to the questions 12 and after.		
	The lil	kelihood of severe project-related human rights impacts ( )		

Q12. Will JBIC share in the project be equal or less than 5% of the total project cost, or the total amount of JBIC loan equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount)
(No)
If you answered "Yes", it is not necessary to reply to the following questions. If you answered "No", please reply to the questions 13 and after.
Q13. Does the project belong to either of the sectors that impact on the environment and society is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?
(No)
If you answered "Yes", it is not necessary to reply to the following questions. If you answered "No", please reply to the questions 14 and after.
Q14. Does the project belong to the following sectors?
(Yes)
If you answered "Yes", please specify the sector by marking, and reply to the questions 15 and after. If you answered "No", it is not necessary to reply to the following questions.
<ul> <li>□ (1) Mining</li> <li>□ (2) Oil and natural gas development</li> <li>□ (3) Pipelines</li> <li>□ (4) Iron and steel (projects that include large furnaces)</li> <li>□ (5) Non-ferrous metals smelting and refining</li> <li>□ (6) Petrochemicals (manufacture of raw materials; including complexes)</li> <li>□ (7) Petroleum refining</li> <li>□ (8) Oil, gas and chemical terminals</li> <li>□ (9) Paper and pulp</li> <li>□ (10) Cement plants (including a greenfield quarry)</li> <li>□ (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.</li> <li>□ (12) Thermal power</li> <li>□ (13) Nuclear power</li> <li>□ (14) Hydropower, dams and reservoirs</li> <li>□ (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables</li> <li>□ (16) Roads, railways and bridges</li> <li>□ (17) Airports</li> <li>□ (18) Ports and harbors</li> <li>□ (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity</li> <li>□ (20) Waste management and disposal</li> </ul>
(21) Agriculture involving large-scale land-clearing or irrigation (22) Forestry (23) Tourism (construction of hotels, etc.)

Q15. 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 ESIA

is required on account of the large scale of the project in the country where the project is implemented.

The Site for the Project has an area of  $92,400 \text{ m}^2$ . The Power Capacity of the Project will be approximately 1,800 MW. EIA permit application is required by the Environmental and Protected Area Authority (EPAA).