## 環境チェックレポート

(1) プロジェクト名

発電・造水プロジェクト

(2) 実施場所

バーレーン王国マナマ近郊

(3) プロジェクト概要

既存発電・造水プラントの買収、新規造水プラントの建設、操業を行うもの。

(4) カテゴリ分類

カテゴリ「B」

(5) カテゴリ分類の根拠

本プロジェクトは、環境ガイドラインに掲げる環境影響を及ぼしやすい セクター・特性及び影響を受けやすい地域に該当せず、環境への望まし くない影響は重大ではないと判断されるため。

(6) 環境許認可

本プロジェクトについては EIA(環境影響評価報告書)がバーレーン海 洋生物・環境・野生動物保護委員会に提出され、Environmental Permit が同委員会より発行されている。

(7) 汚染対策

大気質、水質の計画値は現地基準を満たしている旨、確認されている。

(8) 自然環境面

本件サイトは同国で指定している保護区には立地しておらず、また周辺に特に環境上留意すべき地域はない。また、本サイト内に希少種等は存在しないことが確認されている。

## (9) 社会配慮面

本サイトは既開発の工業地域内にあり、住民移転は発生しない。

(10) その他・モニタリング

本件では、大気質、水質につきモニタリングを行う予定。

以上

## **Questions**

Q1. Please provide the address of the project	site.	
Address of the project site: Al Hidd Pov	wer and Desalination Plant, Al Hidd, Bahrain	
with capacities of 965 megawatt electric (M)	xisting thermal power generation and seawater desc We) and 30 million imperial gallons per day) M O MIGD. The existing desalination plant uses mu	IIGD and the
Q3. Will JBIC loan be applied to a new proje inform the presence of strong claims by local re	ect or an executing project? In case of executing positions:	project, please
<ul> <li>□ New Project</li> <li>√ Executing Project (without Claim)</li> </ul>	<ul><li>☐ Executing Project (with Claim)</li><li>☐ Others (Please specify</li></ul>	)
Q4. In case of this project, is it necessary to laws or regulations? If necessary, please inform	execute Environmental Impact Assessment (EIA) m the progress of EIA.	based on the
√ Required (Completed) □ ] □ Not Required	Required (Under execution or under planning)  Others (Please specify	)
Q5. In case that EIA is already completed, ple environmental assessment system or not. If El of authorities of the approval.	ases inform whether EIA report is already approved IA report is already approved, please provide the d	l based on the late and name
<ul><li>☐ Approved (without condition)</li><li>☐ Under approval process</li></ul>	<ul><li>√ Approved (conditional)</li><li>□ Others (Please specify</li></ul>	)
Date of Approval:13 <u>December 200</u> Name of Authorities: <u>Public Commission</u> Wildlife, Kingdom of Bahrain	05 on for the Protection of Marine Resources, Envi	ironment and
Q6. If environmental permit(s) other than E Have you obtained required permit(s)?	EIA is required, please provide the name of requir	ed permit(s).
☐ Obtained  √ Not required	<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 of machinery that has no relation with specific prime of loan agreement)?	that cannot specify the project at this stage (e.g. exproject, or Two Step Loan that cannot specify the	project at the
( No)		

			d "Yes", it is not necessa d "No", please reply to t			ng questions.		
							•	
Q8.	Are	ther	e any environmentally se	nsitive are	a shown below	in and around	l project site?	<b>)</b> .
	(No	)					•	•
			d "Yes", <b>ple</b> ase select ap d "No", <b>plea</b> se reply to q			, and reply to	following qu	estions.
	<u> </u>	(2)	National parks, protect minorities or indigenous Primeval forests, tropics Ecologically important	s populatio al natural f	ns, heritage site orests	es, etc.)		wetlands, habitats of
			Habitats of endangered agreements.		_	-		ws and international
		(6) (7)	Areas that have risks of Desertification areas Areas with special value Habitats of minorities, areas with special social	es from arc	haeological, his	storical and/or	r cultural viev	
Q9.	Does	the	project involve followin	g elements	?			
	( <del>Yes</del> /				•			
If you	answ	erec	' l "Yes", please describe l "No", please reply to q			ments, and rep	ply to the que	estions 10 and after.
			oluntary resettlement	(Number	r of resettlers:	)		
			nping of groundwater	(Scale:		ton/year)		
			d reclamation and/or de orestation	velopment (Scale:	(Scale:	ha) ha)		
_	\ · /		or controls	(Scarc.		na)		
	count	ry w	reply to this question on there the project is plann try has such regulation, p	ed, are the	re any regulatio	ons on a scale	of the elemen	nts asked in question
	_		on is applicable ( sat	tisfied [	not satisfied)	□ N	o regulation	
Please	reply	to o	questions 11 and after.		•			
			IC share in the project b or less than SDR 10 mil		less than 5% o	of the total pro	oject cost, or	the total amount of
. (	( No)							
			"Yes", it is not necessar "No", please reply to qu			g questions.		

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 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
(5)	Pipeline
(6)	Steel industry (with large scale furnace)
(7)	No-ferrous metal refining
(8)	Petrochemical (including manufacturing of raw materials and petrochemical complex)
(9)	Terminal of oil, gas and chemicals
(10)	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
	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.)
(20)	Forestry or tree planting
(21)	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.

Approximate area 60 hectares for all three Phases.

Plant areas: present plant approximately 15 hectares power plant, 10 hectares water plant; proposed water plant approximately 20 hectares.

Capacities: existing plant 965 MWe power, 30 MIGD water; proposed extension 60 MIGD (no power).

Environmental Permit already issued for present plant of 965MWe power, 90MIGD water.