

環境チェックレポート

(1) プロジェクト名  
銅鉱山プロジェクト

(2) 実施場所  
チリ共和国第Ⅱ州

(3) プロジェクト概要  
既存選鉱所のリハビリテーション及び海水淡水化プラントの建設（送電線含む）

(4) カテゴリ分類  
カテゴリ「A」

(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影響を及ぼしやすいセクター（送電線セクター）に該当するため。

(6) 環境許認可  
同国制度に基づき ESIA（環境社会影響評価報告書）及び DIA（環境影響宣言書）が作成され、それぞれ 2009 年 6 月及び 3 月に環境委員会（CONAMA）により付帯条件付きで承認を取得済である。

(7) 汚染対策  
大気質、水質、廃棄物、土壌汚染、騒音・振動、地盤沈下及び悪臭に対して、適切な措置が講じられる旨、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、適切な対策が講じられる旨、確認されている。

(9) 社会配慮面  
本プロジェクト実施に伴う新たな用地取得及び住民移転は発生しない。

(10) 適用国際基準  
世界銀行・セーフガードポリシー

(11) その他・モニタリング

上記の環境レビューを踏まえ、ESIA 報告書及び DIA の許認可に係る付帯条件の遵守状況についてモニタリングを実施する予定。

以 上



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 flats.)
- (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc.
- (5) Areas in danger of large-scale salt accumulation or soil erosion
- (6) Areas with a remarkable tendency towards desertification
- (7) Areas with unique archaeological, historical or cultural value
- (8) 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

If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after.

If you answered "No", please reply to the questions 11 and after.

- (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: )
- (2) Pumping of groundwater (Scale: m<sup>3</sup>/year)
- (3) Land reclamation, development and/or clearing (Scale: ha)
- (4) Deforestation (Scale: ha)

**Q10.** Under the environmental and social impact assessment system of the country where the project is to be implemented, do the applicable characteristics from (1) – (4) of the questions 9 above and their scale serve as basis for executing an ESIA for the project?

- They do
- They do not
- Others (Please specify )

**Q11** May the project involve significant social impacts?

No

If you answered "Yes", please describe the outline of the impacts, and reply to the questions 12 and after.

If you answered "No", please reply to the questions 12 and after.

- The likelihood of severe project-related human rights impacts ( )
- Others ( )

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

Yes

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?

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.

- (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) Cement plants (including a greenfield quarry)
- (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (12) Thermal power
- (13) Nuclear power
- (14) Hydropower, dams and reservoirs
- (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (16) Roads, railways and bridges
- (17) Airports
- (18) Ports and harbors
- (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (20) Waste management and disposal
- (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, please 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.

## Questions

**Q1.** Please provide the address of the project site.

Address of the project site: Chile, II Region, Antofagasta, de la Minería Av. #501.

**Q2.** Please provide brief explanation of the project.

The Escondida Water Supply (EWS) project was approved in July 2013 and consists of a new 2,500 litres per second sea water desalination facility. This project will provide an alternative, sustainable water supply to Escondida. The new facility is expected to be commissioned in CY2017 at a cost of US\$3.4 billion.

The commissioning of the EWS project is on schedule. In the short to medium term, completion of the EWS project will allow the use of three concentrators at Escondida to mitigate grade decline and support a strong recovery in production.

**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 (with Claim etc.)  
 Executing Project (without Claim etc.)  Others (Please specify )

**Q4.** 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.

- Required (completed)  Required (under execution or under planning)  
 Not Required  Others (Please specify )

**Q5.** 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.

- Approved (without condition)  Approved (conditional)  
 Under approval process  Others (Please specify )

Date of Approval : 12/06/2009. ( Environment Effect investigation "Desalinated Water Supply for Supplementary Minera Escondida " )

Name of Authorities : CONAMA

**Q6.** 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)?

- Obtained  Required, but not obtained yet  
 Not required  Others

Name(s) of required permit(s) : \_\_\_\_\_

**Q7.** Will the loan be used for the undertaking that cannot specify the project at this stage (e.g. export or lease of machinery that has no relation with specific project, or Two Step Loan that cannot specify the project at the time of loan agreement)?

No

If you answered "Yes", it is not necessary to reply to the following questions.  
If you answered "No", please reply to the following questions.

**Q8.** Are there any environmentally sensitive area(s) shown below in and around project site(s)?

No

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- (12) Thermal power
- (13) Nuclear power
- X (14) Hydropower, dams and reservoirs
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Water supply capacity                    2,500 litres per second in operational terms  
Transmission line:                        33km, 220kV