

 Early Warning System

IIC-12277-01

Radomiro Tomic Desalination Plant



Quick Facts

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|-------------------------------|------------------------------|
| Countries | Chile |
| Specific Location | Norte Grande |
| Financial Institutions | IDB Invest (IDB) |
| Status | Hold |
| Bank Risk Rating | A |
| Voting Date | 2018-08-21 |
| Borrower | CODELCO |
| Sectors | Mining, Water and Sanitation |
| Investment Type(s) | Loan |
| Project Cost (USD) | \$ 1,000.00 million |



Project Description

This project provides financing for the development, construction and operation of a seawater desalination plant, its associated marine intake and outfall structures, a water pumping system of approximately 160 km in length, and the associated electrical infrastructure.

According to Bank documents, the desalination plant, which will include pre-treatment, reverse osmosis and post-treatment associated works, will have a design flow rate of 1,956 liters per second. Desalinated water will be transported from this facility via an underground pipeline system of approximately 160 km in length and pumped through four pumping stations to an industrial water reservoir located on the grounds of the Radomiro Tomic Division, near the mine of the same name, where the water will be used.

The intended purpose of the maritime works is to capture seawater and discharge the brine derived from the desalination process. The seawater will be taken in via a system comprised of two towers (which include a sodium hypochlorite injection system and an anti-jellyfish air injection system), two pipelines, and the bilge, located on land, from which the seawater will be pumped to the desalination plant. The discharge structure will be comprised of a load chamber, the discharge pipes and a diffuser located at the end of the pipeline.



Investment Description

- IDB Invest (IDBI)



| Private Actor 1 | Private Actor 1 Role | Private Actor 1 Sector | Relation | Private Actor 2 | Private Actor 2 Role | Private Actor 2 Sector |
|-----------------|----------------------|------------------------|----------|---|----------------------|------------------------|
| - | - | - | - | British Columbia Investment Management Corp | Investor | - |
| - | - | - | - | Canada Pension Plan Investment Board | Investor | - |
| - | - | - | - | China Southern Power Grid Co Ltd | Investor | - |
| - | - | - | - | Corporación Nacional del Cobre de Chile (CODELCO) | Client | - |
| - | - | - | - | Marubeni Corporation | Investor | - |
| - | - | - | - | Public Sector Pension Investment Board | Investor | - |
| - | - | - | - | Techint Chile | Contractor | - |
| - | - | - | - | Techint SA de CV | Parent Company | - |
| - | - | - | - | Transelec SA | Contractor | - |



Contact Information

For inquiries and comments to IIC, contact:

IIC's Communications Group

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ACCOUNTABILITY MECHANISM OF IDB Invest

The Independent Consultation and Investigation Mechanism (MICI) is the independent complaint mechanism and fact-finding body for people who have been or are likely to be adversely affected by an Inter-American Development Bank (IDB) or Inter-American Investment Corporation (IIC)-funded project. If you submit a complaint to MICI, they may assist you in addressing the problems you raised through a dispute-resolution process with those implementing the project and/or through an investigation to assess whether the IDB or IIC is following its own policies for preventing or mitigating harm to people or the environment. You can submit a complaint by sending an email to MICI@iadb.org. You can learn more about the MICI and how to file a complaint at <http://www.iadb.org/en/mici/mici,1752.html> (in English) or <http://www.iadb.org/es/mici/mici,1752.html> (Spanish).



Bank Documents

- BHRRC Webpage of British Columbia Investment Management Corp
- eia_desaladora_rt_cap_00_resumen_ejecutivo.pdf
- eia_desaladora_rt_cap_01_descripcion_del_proyecto.pdf
- eia_desaladora_rt_cap_01_descripcion_del_proyecto.pdf
- eia_desaladora_rt_cap_02.10_medio_perceptual.pdf
- eia_desaladora_rt_cap_02.3_medio_fisico.pdf
- eia_desaladora_rt_cap_02.4_medio_biotico.pdf
- eia_desaladora_rt_cap_02.5_medio_marino.pdf
- eia_desaladora_rt_cap_02.6_medio_humano.pdf
- eia_desaladora_rt_cap_02.7_medio_construido.pdf
- eia_desaladora_rt_cap_02.8_uso_elementos_del_ambiente.pdf
- eia_desaladora_rt_cap_02.9_patrimonio_cultural.pdf
- eia_desaladora_rt_cap_02_linea_de_base.pdf
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- eia_desaladora_rt_cap_04.1_impacto_acustico_y_vibraciones.pdf
- eia_desaladora_rt_cap_04.2_impacto_vial.pdf
- eia_desaladora_rt_cap_04.3_impacto_paisajistico.pdf
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- eia_desaladora_rt_cap_14_fichas_tablas_y_cuadros_fiscalizacion.pdf
- http://cdn.iic.org/sites/default/files/disclosures/eia_desaladora_rt_cap_04.5_analisis_drenaje_0.pdf

Community Documents

- Community consultation protocol
- Infografía