



**CHILEAN NATIONAL COPPER CORPORATION**

**PROJECT MANAGEMENT AND SERVICES DEPARTMENT,  
PROJECT VICEPRESIDENCY**

**EXECUTIVE SUMMARY**

**PUBLIC PLANNING PREQUALIFICATION**

**SUPPLY: VERTICAL PUMPS RAFT WITH FLOATING PLATFORMS AND VERTICAL  
PUMPS WITH TURBINE PUMPING PS-2.**

**PROJECT VIII PHASE TALABRE DAM.  
PROJECT VICEPRESIDENCY.**

**MARCH 2017**

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## **EXECUTIVE SUMMARY**

### **1. GENERAL DATA**

The Chilean National Copper Corporation, Codelco Chile, through the Acquisitions Department of the Project Vice-presidency, is opening a prequalification process of suppliers for the future acquisition of the goods "VERTICAL PUMPS ON RAFT WITH FLOATING PLATFORMS" and "VERTICAL PUMPS TURBINE PUMPING TYPE PS-2".

### **2. DATA OF THE REQUIREMENT**

The Talabre Dam property of the Chilean National Copper Corporation (Codelco), Northern District (DN) tailings deposits, and currently receives tailings from the Chuquicamata (DCH) divisions and Hales Minister (DMH).

The dam is currently operating on its VII Stage, which is reaching its maximum storage capacity. For this reason, through the Vice Presidency of Projects (VP), the Talabre Dam Expansion Project VIII Stage, period 2018, Chuquicamata Division (DCH) is being developed.

The characteristics of the supplies include:

### **VERTICAL PUMPS ON RAFTS**

Item N°	Description	TAG	Point Op.	UoM	Total Qty
<b>North Mobile Station</b>					
001	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03527-BVT-001	138 24,7	l/s mca	1
002	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03527-BVT-002	138 24,7	l/s mca	1
003	<b>Vertical Pump Engine</b> Vertical pump engine 03527-BVT-001, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03527-BVT-001-M1	60	HP	1
004	<b>Vertical Pump Engine</b> Vertical pump engine 03527-BVT-002, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03527-BVT-002-M1	60	HP	1
<b>South Mobile Station</b>					
005	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-001	138 23,1	l/s mca	1
006	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-002	138 23,1	l/s mca	1

Item N°	Description	TAG	Point Op.	UoM	Total Qty
007	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-003	138 23,1	l/s mca	1
008	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-004	138 23,1	l/s mca	1
009	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-005	138 23,1	l/s mca	1
010	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03521-BVT-006	138 23,1	l/s mca	1
011	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-001, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-001-M1	60	HP	1
012	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-002, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-002-M1	60	HP	1
013	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-003, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-003-M1	60	HP	1
014	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-004, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-004-M1	60	HP	1
015	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-005, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-005-M1	60	HP	1
016	<b>Vertical Pump Engine</b> Vertical pump engine 03521-BVT-006, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03521-BVT-006-M1	60	HP	1
<b>Main Mobile Station</b>					
017	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-001	138 24,6	l/s mca	1
018	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-002	138 24,6	l/s mca	1
019	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-003	138 24,6	l/s mca	1
020	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-004	138 24,6	l/s mca	1

Item N°	Description	TAG	Point Op.	UoM	Total Qty
021	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-005	138 24,6	l/s mca	1
022	<b>Pumping equipment for water recovered from the dam</b> Vertical Pump set up on rafts, recovered water service (RW) from dam with low solid content (<5%), suction and download rating ASME 150, with soft starter and start/stop control by level, includes rafts.	03528-BVT-006	138 24,6	l/s mca	1
023	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-001, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-001-M1	60	HP	1
024	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-002, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-002-M1	60	HP	1
025	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-003, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-003-M1	60	HP	1
026	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-004, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-004-M1	60	HP	1
027	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-005, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-005-M1	60	HP	1
028	<b>Vertical Pump Engine</b> Vertical pump engine 03528-BVT-006, set speed, for control with soft starter, voltage 460V, 3F, frequency 50Hz	03528-BVT-006-M1	60	HP	1
029	Spare parts for the set up	-	-	lot	
030	Spare parts for the first year of operation	-	-	lot	
031	Factory testing	-	-	lot	
032	Supplier blueprints and documents	-	-	lot	
033	Packaging and preparation for the transport to the project site	-	-	lot	
034	Operations and maintenance staff training	-	-	lot	
035	Assistance regarding mechanic aspects, commissioning and set up	-	-	lot	
036	Transport to the project site located approximately at 12 km south west from Chuquicamata	-	-	lot	

### **FLOATING PLATFORMS**

Item N°	Description	TAG	(AxBxL) cm	UoM	Total Qty
<b>North Mobile Station (03527)</b>					
001	<b>Floating Platforms</b> Docks assembled to access the vertical PUMPS set up on raft located in a clear water lagoon, recovered water service (RW) from a dam with a low content of solids (<5%)		40x50x50	m <sup>2</sup>	370
002	Railings		-	ml	90
003	Guiding support for the hose		-	un	308
<b>South Mobile Station (03521)</b>					
004	<b>Floating Platforms</b> Docks assembled to access the vertical PUMPS set up on raft located in a clear water lagoon, recovered water service (RW) from a dam with a low content of solids (<5%)		40x50x50	m <sup>2</sup>	490

Item N°	Description	TAG	(AxBxL) cm	UoM	Total Qty
005	Railings		-	ml	110
006	Guiding support for the hose		-	un	426
<b>Main Mobile Station (03528)</b>					
007	<b>Floating Platforms</b> Docks assembled to access the vertical PUMPS set up on raft located in a clear water lagoon, recovered water service (RW) from a dam with a low content of solids (<5%)		40x50x50	m <sup>2</sup>	370
008	Railings		-	ml	60
009	Guiding support for the hose		-	un	252
<b>Mobile Station Services</b>					
010	Factory testing		-	Lot	1
011	Special tools		-	Lot	1
012	Supplier blueprints and documents		-	Lot	1
013	Installation, operation and maintenance handbook		-	Lot	1
014	Packaging and preparation for the transport to the project site		-	Lot	1
015	Transport to the project site located approximately at 12 km south west from Chuquicamata		-	Lot	1

## **TURBINE TYPE VERTICAL PUMPS FOR PS-2**

Item N°	Description	Amount	TAG	Point of Op.	UoM
<b>Station PS-2</b>					
001	<b>Pumping equipment for water recovered from the dam PS-2 Station</b> Vertical centrifugal pump bilge turbine type, recovered water service (RW) of dam with low solids content (<5%), suction and discharge rating ANSI 150, with VDF and start / stop control by level	1 Un	03524-BVT-201	230 151	l/s mca
002	<b>Pumping equipment for water recovered from the dam PS-2 Station</b> Vertical centrifugal pump bilge turbine type, recovered water service (RW) of dam with low solids content (<5%), suction and discharge rating ANSI 150, with VDF and start / stop control by level	1 Un	03524-BVT-202	230 151	l/s mca
003	<b>Pumping equipment for water recovered from the dam PS-2 Station</b> Vertical centrifugal pump bilge turbine type, recovered water service (RW) of dam with low solids content (<5%), suction and discharge rating ANSI 150, with VDF and start / stop control by level	1 Un	03524-BVT-203	230 151	l/s mca
004	<b>Pumping equipment for water recovered from the dam PS-2 Station</b> Vertical centrifugal pump bilge turbine type, recovered water service (RW) of dam with low solids content (<5%), suction and discharge rating ANSI 150, with VDF and start / stop control by level	1 Un	03524-BVT-204	230 151	l/s mca
005	<b>Centrifuge pump engine for vertical Station PS-2</b> Vertical Pump Engine 03524-BVT-201, variable speed VDF, voltage 2460V, 3F, frequency 50Hz	1 Un	03524-BVT-201-M1	700	HP
006	<b>Centrifuge pump engine for vertical Station PS-2</b> Vertical Pump Engine 03524-BVT-202, variable speed VDF, voltage 2460V, 3F, frequency 50Hz	1 Un	03524-BVT-202-M1	700	HP
007	<b>Centrifuge pump engine for vertical Station PS-2</b> Vertical Pump Engine 03524-BVT-203, variable speed VDF, voltage 2460V, 3F, frequency 50Hz	1 Un	03524-BVT-203-M1	700	HP

Item N°	Description	Amount	TAG	Point of Op.	UoM
008	<b>Centrifuge pump engine for vertical Station PS-2</b> Vertical Pump Engine 03524-BVT-204, variable speed VDF, voltage 2460V, 3F, frequency 50Hz	1 Un	03524-BVT-204-M1	700	HP
029	Spare parts for the set up	-	-	lot	
030	Spare parts for the first year of operation	-	-	lot	
031	Factory testing	-	-	lot	
032	Supplier blueprints and documents	-	-	lot	
033	Packaging and preparation for the transport to the project site	-	-	lot	
034	Operations and maintenance staff training	-	-	lot	
035	Assistance regarding mechanic aspects, commissioning and set up	-	-	lot	
036	Transport to the project site located approximately at 12 km south west from Chuquicamata	-	-	lot	

The scope of the purchase order will include:

- 2.1. Engineering (E: Engineering)
  - Detail engineering of the supplies
  - Detail engineering of the system
  - Integration engineering
  - Link engineering
  - Trials FAT / SAT /pre-assemble at the manufacturing site
- 2.2. Acquisitions (P: Procurement)
  - Manufacturing/purchase of the supplies
- 2.3. On site survey services (S: survey)
  - Set up survey services
  - Get go survey services
  - Training service
  - Operation trials

### 3. DEADLINE

The required date of the goods in the field are those presented in the following table, for which the supplier must take the necessary actions that allow the delivery to comply with said date.

Supply	Delivery deadline
North Mobile Station + Platforms	31 Aug. 2018
South Mobile Station + Platforms	31 Oct. 2018
Pumping station PS-2	30 Nov. 2018
Main Mobile Station + Platforms	31 Dec. 2018

#### 4. PREQUALIFICATION OF THE TENDER

The present public prequalification of bidders will be carried out taking into consideration the commercial, financial and technical requirements established by the Corporation, for which participants accept that they will be disqualified, if the company does not meet any of the minimum requirements indicated. Only the companies that approve the prequalification process in all its aspects can continue onto the next stage.

Are allowed to participate in the prequalification process:

- Partnerships or promised consortiums, with working capital and declared assets.
- Companies with the financial capacity to pay the necessary working capital until receiving the payment for the products (30 calendar days, once the asset has been received by the client).
- Companies with financial capacity to guarantee: "Faithful Compliance" and "Quality and Functioning" or other guarantees that are estimated.

To initiate their participation, and in order for them to be evaluated in this instance, the proponent must complete and submit the General Antecedents (ANT) forms that are detailed below:

- i. Identification of the proponent ANT01, A-B
- ii. Commercial planning ANT02, A-F
- iii. Financial prequalification ANT03, A-C
- iv. Technical prequalification ANT04
- v. Sworn Statements ANT05

In the event that a bidder is not prequalified, he will be informed by email to the address he has indicated as contact when initiating his participation in the prequalification process.

**Note: For the bidders that have prior prequalification of CODELCO's Business Intelligence Office, points 4.1 and 4.2 will not be required.**

##### 4.1 COMMERCIAL PREQUALIFICATION

The proponents must submit the following information:

- i. Commercial bulletin, no older than 30 days (ANT-02A)
- ii. Fiscal debt certificate (ANT-02B)
- iii. List of pending trials (ANT-02C)
- iv. Labor Inspection Certificate (ANT-02D)
- v. List of purchase orders being executed (ANT-02E)
- vi. List of purchase order already executed (ANT-02F)

In order to accept the commercial prequalification, the proponents cannot register:

- i. Debt in the Commercial Bulletin
- ii. Fiscal debt
- iii. Pending labor or social security obligations



## 4.2 FINANCIAL PREQUALIFICATION

Bidders must submit their Audited Financial Statements for the last three (3) years signed by the Legal Representative of the company. Additionally, they must complete with the information of their respective Financial Statements the Excel file called ANT, sheets ANT-03 B and C, in which some financial indexes are calculated automatically. To approve the prequalification of the financial aspects, the bidders must comply with the minimum established in the following indexes or parameters:

- |      |  |                             |
|------|--|-----------------------------|
| i.   | Equity debt index for the last years (E) | $E \leq 2.4$                |
| ii.  | Profit for the last tax years (U)        | $U > 0$                     |
| iii. | Work equity in the last years (CT)       | $CT > 0.15$ amount business |
| iv.  | Equity from last year (P)                | $P > 0.85$ amount business  |

## 4.3 PREQUALIFICATION OF THE TECHNICAL REQUIREMENTS

The proponents must complete the information indicated in the Excel file ANT, sheet ANT 04 and present the following supporting documentation: The Company or the Brand that it represents must have the following certifications:

- i. Certification in Quality and Manufacturing Process ISO 9001 - 2008 and / or equivalent.
- ii. Vertical pumping equipment such as platforms must be designed, manufactured and tested complying with the specifications, data sheets and the minimum applicable requirements indicated in the latest editions of the Chilean and international standards associated with the required supply, according to its applicability.
- iii. The Supplier must have proven experience, in the last ten (10) years, in the manufacture and / or sale of pumping equipment, for mining and / or industrial operations at geographical heights above 2,500 masl, demonstrating manufacturing capacity and / or integration.
- iv. For the supply of Floating Platforms, the Supplier must have proven experience in similar service conditions (not exclusive).
- v. Warranty for product failure of at least 18 months of operation or 24 months after leaving the factory, whichever occurs first. In case of failures during commissioning or any stage of installation of the equipment that is the responsibility of the supplier, it must deliver a repair service that allows to maintain the continuity of the commissioning of the goods, while managing the replacement of the failed equipment for a new one.
- vi. Supply of vendor equipment: trained personnel for the supervision of assembly of equipment and that includes the conditions required by the factory for equipment guarantees.
- vii. After sales services: Qualified technical assistance and experience to support the assembly and installation of equipment in the field, technical assistance for putting field equipment into operation, field training services, maintenance services and equipment repairs in ground.

To approve the prequalification of the technical aspects, the proponents must comply with the requirements previously indicated.

## 5. PARTICIPATION IN FUTURE TENDER PROCESS

This prequalification will enable the supplier to participate in a bidding process that the Vice Presidency of Projects will develop in the short term. Those national or foreign companies that meet the following requirements will be called to participate:

- Comply with all the aspects indicated in point 4 of this document.
- Know and comply with all the requirements that, for the delivery of the supply subject matter of the tender, establish the legal provisions in force.
- Comply with the Chilean regulations regarding health, safety and the environment.
- Have no valid sanction in Codelco.

In addition, CODELCO will demand compliance with its rules and internal regulations, which will be delivered to prequalified companies at the time of being invited to a specific bidding process.

## 6. PUBLIC PLANNING SCHEDULE

The schedule of the process will be as follows:

Activity	Place	Starting Date	End Date	Time
Publish the call for prequalification	Codelco Website	27/03/18	27/03/18	During the day
Communicate the intention to participate	Via email <a href="mailto:precalificacion.Pcaren@codelco.cl">precalificacion.Pcaren@codelco.cl</a>	27/03/18	02/04/18	23:59 hrs
Publish on SRM the prequalification process to companies who confirm their participation.	Purchase website N°1700001800	03/04/18	03/04/18	During the day
Submission of prequalification information	Purchase website N°1700001800	03/04/18	10/04/18	23:59 hrs
Results of the prequalification	Via email to the address provided by the proponent		Until 10/05/18	

## 7. CODELCO PURCHASE ORDER AND REGIC

To participate in this prequalification process they must be registered on:

- i. Registration of REGIC Suppliers.

To register with REGIC, companies must enter:

<https://www.regic.cl/registracioncodelco/>

In case of questions or doubts about the registration and use of REGIC, the company must communicate between Monday to Friday between 09:00 and 18:30 h, directly through the website [www.achilles.com/chile](http://www.achilles.com/chile), at mail: [chile@achilles.com](mailto:chile@achilles.com) or by phone (+562) 2585 9600.

Once the registration process has begun in REGIC, the company must request its confirmation mail of participation in this prequalification, a provisional registration for 30 days for the platform of the CODELCO Purchasing Portal.

- ii. CODELCO Shopping Portal.

In case of questions or doubts about the access and use of the Purchasing Portal, the company must communicate between Monday and Friday between 8:30 and 7:00 p.m., directly to: [portalcompras@codelco.cl](mailto:portalcompras@codelco.cl) or to the telephone (+562 2818 5765).

## 8. CONFIRMATION OF THE PARTICIPATION INTENT

To confirm your participation, the company must send an email to:

[precalificacion.Pcaren@codelco.cl](mailto:precalificacion.Pcaren@codelco.cl), attaching:

- i. Copy of this Summary of the Prequalification process, signed by your Legal Representative, as a sign of acceptance of the terms and conditions set out in this document.
- ii. The following complete information table:

<b>Company RUT</b>	
<b>Name</b>	
<b>Address</b>	
<b>Commune</b>	
<b>City</b>	
<b>Country</b>	
<b>Phone number</b>	
<b>Contact name</b>	
<b>Position of the contact</b>	
<b>Contact email</b>	
<b>Contact phone</b>	

## PARTICIPATION INTENT

Santiago, dd of mmm, 2018

Sirs Projects Vicepresidency CODELCO Ref.:  
Prequalification Process N° SRM 1700001800

Dear Sirs,

I Hereby \_\_\_\_\_,  
RUT: \_\_\_\_\_ - as the legal representative of the company, Name \_\_\_\_\_  
RUT \_\_\_\_\_ -

**confirm that the company I represent will participate in the prequalification process mentioned in the reference.**

Additionally I declare to know and accept the following:

- That this prequalification does not guarantee in any way the awarding of a purchase or service.
- That all the information provided for CODELCO to evaluate this prequalification is true, therefore, otherwise CODELCO may take the measures that
- empower your internal regulations and the law.
- That the email address indicated on the form ANT01-A is the one that our company has set aside for this purpose. We promise, therefore, to inform in a timely manner the National Copper Corporation of Chile, any change that occurs in this, being our responsibility to update this information when necessary.
- That the only means of communication with CODELCO for:
  - Inform our intention to participate, is the mail: [precalificacion.Pcaren@odelco.cl](mailto:precalificacion.Pcaren@odelco.cl)
  - Submit all the information requested in this prequalification, it is the Codelco Purchasing Portal, with the process identified with the number: SRM 1700001800.

In addition, we confirm to CODELCO, that all the expenses that we have incurred as a result of this prequalification process are of our exclusive charge.

\_\_\_\_\_  
Name of the company:

RUT:

\_\_\_\_\_  
Name of the legal representative: