

# EXPRESSION OF INTEREST

## Mt Holland Lithium Project

### PROJECT OVERVIEW:

The Covalent Lithium Project is a 50-50 joint venture between Wesfarmers Limited and Sociedad Química y Minera de Chile S.A (SQM) currently under construction and encompasses the development of the mine, concentrator, and refinery (Project).

The mine and concentrator, located in Western Australia, approximately 500 km East of Perth will produce lithium containing spodumene concentrate. The concentrator will be transported to the refinery (located in Kwinana, Western Australia) for conversion to high-purity lithium hydroxide monohydrate (Refinery).

Covalent Lithium (Company) is the manager of the joint venture and is responsible for the development and operation of the Project.

Further details - [www.covalentlithium.com](http://www.covalentlithium.com)

### PACKAGE TITLE:

Supply and/or Delivery of Chemical Reagents for mineral processing in the production of Lithium

### PACKAGE REFERENCE:

CON-183 Supply of Reagents

### PACKAGE DESCRIPTION:

Covalent Lithium invites expressions of interest (EOI) from potential and/or experienced vendors for the supply of chemical reagents, included, but not limited to collectors, frothers, flocculants and dispersant used in the production of Lithium.

This EOI is only a preliminary step to understand and identify whether there are potential suppliers in the market that are interested in and capable of satisfying the procurement needs.

Suitably qualified vendors may be invited to a formal request for quotation process.

### SUPPLIER REQUIREMENTS:

Manufacturer/supplier capability (preferable but not required to have in-country representation or local agent)

Globally well known, reputable company in the field of mineral processing and its associated fields of manufacturing, R&D, application and technical support;

Well known expertise in the reagent or chemical supply.

Wide range of products and flexibility to offer product that is most suited for the Company specific ore types and processes.

Extensive technical support capability, laboratory test work, R&D to offer the best suited product(s).

**Supplier/local agent capability**, if applicable:

- Extensive experience in import, transport, storage and safe handling of chemicals/hazardous substances, and proven

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history of continuous improvement of safety in the associated fields;

- Supply chain solution (transport, storage, recycle);
- Financial capability to support supply chain;

### SPECIFIC SCOPE REQUIREMENTS:

#### Scope description:

- To identify and select optimum reagent(s) to supply products for laboratory or plant trial with the aim to provide continuous supply for the Concentrator and/or Refinery;
- The proposed product must meet with the Company and Western Australia HSE requirements and must be compatible with the other reagents to improve recovery and concentrate quality;
- Alternative cheaper or more efficient products should be proposed as they become available.

Supplier must provide following:

- Pricing quote based on pricing template to be attached to this EOI.
- Valid chemical permit copy which includes requested products for quantity at least over XXX metric tons for each product;
- Manufacturer details (capability, major clients, SDS, Certificate of Analysis and Certificate of Origin, QA/QC process);
- Supplier previous experience in chemicals supply and import.
- Supplier must ensure packaging and delivery process in accordance with international standards and local requirements.

Experienced and interested suppliers are invited to submit their EOI and must provide/attach, as minimum, the following documents/information:

#### Mandatory documents:

- Brief introduction of company
- Technical experience related to scope of supply defined above
- Product Information
- Ownership/ shareholder information such as Company charter
- Executive team structure/ introduction
- Organization structure & Total manpower
- List of clients, case studies on results of similar products

### FORECAST AWARD DATE:

Refer to Reagent Requirements and the indicative date when the product is first required. All contract and freight documentation will be required to be negotiated and completed several months prior to procurement.

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**PACKAGE SPECIFIC CRITERIA:** Prior experience in reliable supply of product in quantity and quality.

Ability to comply with relevant regulatory and legislative requirements. Previous experience in remote locations is advantageous.

**Important notice:**

- The Company is only seeking Expression of Interest from potential suppliers and makes no representation or promise in relation to procuring work from a supplier or suppliers.
- The Company reserves the right to refuse any document(s) which is incomplete or submitted after the specified date & time.
- The Company will not accept any EOIs stored in internet storage or in any other webpages and links.
- The Company will not be responsible for any costs associated with preparing and submitting an Expression of Interest to the Company.
- There will be no Questions and Answers provided during the EOI process.

**EXPRESSION OF INTEREST:**

Contractors/Suppliers are invited to express an interest in this scope of work by registering on the ICN Gateway online platform.

Please ensure:

- The Company Profile on ICN Gateway is complete, up-to-date and accurate
- Interest is registered as Full-Scope or Partial-Scope Contractor/Supplier (where applicable)
- Responses to the generic pre-qualification criteria (questions) via the ICN Gateway, is provided.

**EOI COMMENCEMENT DATE:** Friday, 15 July 2022

**EOI CLOSING DATE:** Friday, 29 July 2022

**CONTACT:** Industry Capability Network of Western Australia (08 9365 7556)

**DISCLAIMER:** This EOI forms part of a multi-stage procurement process. Covalent Lithium does not guarantee that it will contract with or proceed to the next stage in the procurement process with any responding party to this Expression of Interest. The details provided in this EOI are also general in nature. Should your submission be of interest to Covalent Lithium, at the relevant time Covalent Lithium will provide a full description of the required Scope of Works to the parties that it invites to tender.



**Expression of Interest**  
Supply/and or Delivery of Regents (Chemicals and Raw Materials)  
For Covalent Lithium Project

Supplier Name: \_\_\_\_\_

ABN: \_\_\_\_\_

**CONCENTRATOR REQUIREMENTS**

| Item No. | Type  | Chemical/Substance Requirement | Application used on Site                                       | Unit of Measure (UOM)   | Delivered state | Est. Annual consumption/ steady state | Anticipated Packaging | Date product first required | Supplier Current Pricing | Supplier Historical Pricing last 3 yrs. 2021/2020/2019 | Supplier Freight Pricing |
|----------|---|--------------------------------|--|---|-----------------|---------------------------------------|-----------------------|-----------------------------|--------------------------|--|--------------------------|
| 1.       | <ul style="list-style-type: none"> <li>• Collector</li> <li>• Frother</li> <li>• Flocculant</li> <li>• Dispersant</li> <li>• Other</li> </ul> | DMS Media                      | Ferosilicon (FeSi) 270 Consumed                                | DMS, Ball Mill  | Tonnes          | Solid                                 | 621                   | 1T bags                     | Mid Mar 2023             |  |                          |
| 2.       |   | Depressant                     | Sodium Lignosulphate (Na2O10S2)                                | Ball Mill, Conditioning Tank (Flotation Area)                               | Tonnes          | Solid                                 | 937                   | 600kg bags                  | Mid Mar 2023             |  |                          |
| 3.       |   | pH modifier                    | Sodium Carbonate (Soda Ash) (Na <sub>2</sub> CO <sub>3</sub> ) | Flotation area for the Mill, PH Adjust Tank                                 | Tonnes          | Solid                                 | 2430                  | 30t/65t bulk delivery       | Mid Mar 2023             |  |                          |
| 4.       |   | Solid Settling Agent           | Flocculant   | Concentrate Thickener, Slimes Thickener                                     | Tonnes          | Solid                                 | 43                    | 600kg bulk bags             | Mid Mar 2023             |  |                          |
| 5.       |   | Solid Settling Agent           | Flocculant   | Tails Thickener   | Tonnes          | Solid                                 | 36                    | 600kg bulk bags             | Feb/Mar 2023             |  |                          |
| 6.       |   | Collector                      | Collector – Oleic Acid Emulsion +Diesel Component              | Rougher, Scavenger, Cleaner, Hydrfloat                                      | Tonnes          | Liquid                                | 3169                  | IBCs/Isotainer              | Jan/Feb 2023             |  |                          |
| 7.       |   | Depressant                     | Ethylenediaminetetraacetic acid (EDTA) (C10H16N2O8) R1         | Condition tank, Cleaner 3   | Tonnes          | Solids                                | 95                    | 1 m3 IBC                    | Mid Mar 2023             |  |                          |
| 8.       |   | Dispersant                     | Sodium Silicate (Na <sub>2</sub> SiO <sub>3</sub> )            | Cleaner 3   | Tonnes          | Liquid                                | 186                   | IBC                         | Mid Mar 2023             |  |                          |
| 9.       |   | Solid Settling Agent           | Coagulant  | Tails thickener   | Tonnes          | Liquid                                | 3632                  | Isotainer                   | Mid Mar 2023             |  |                          |
| 10.      |   | pH modifier                    | Caustic (NaOH) 30% strength                                    | Collector and EDTA make up  | Volumes         | Liquid                                | 2234                  | TBA                         | Jan/Feb 2023             |  |                          |
| 11.      |   | Collector Additive             | Diesel (as a Reagent)  | Collector make up   | Volume          | Liquid                                | TBA                   | TBA                         | Jan/Feb 2023             |  |                          |
| 12.      |   | Frother                        | Frother (H57)  | Flotation Cells, Rougher, Scavenger, Cleaner 1, Hydrofloat (g/t float feed) | Tonnes          | Liquid                                | TBA                   | TBA                         | Mid Mar 2023             |  |                          |
| 13.      |   | Grinding Media                 | Grinding Media   | Ball mill kg/t of mill feed   | Tonnes          | Solid                                 | 1257                  | Bulk                        | Mid Mar 2023             |  |                          |



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Supplier Name: \_\_\_\_\_

ABN: \_\_\_\_\_

**REFINERY REQUIREMENTS**

| Item No. | Application used on Site             | Chemical/Substance Requirement                       | Unit of Measure (UOM) | Delivered state    | Estimated tonnes steady state | Anticipated Packaging and/or Delivery Method | Date product first required | Supplier Current Pricing | Historical Pricing last 3 yrs. 2021/2020/2019 | Freight Pricing |
|----------|--------------------------------------|--|-----------------------|--------------------|-------------------------------|--|-----------------------------|--------------------------|---|-----------------|
| 14.      | Leaching reagent pH adjustment       | 98% Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) | Tonnes                | Pipeline onto site | 106,000 (wet)                 | Pipeline onto site                           | Nov 2023                    |                          |   |                 |
| 15.      | Process causticisation pH adjustment | 50% Sodium Hydroxide (NaOH)                          | Tonnes                | Pipeline onto site | 134,000 (wet)                 | Pipeline onto site                           | Nov 2023                    |                          |   |                 |
| 16.      | Filter Aid                           | Diatomaceous Earth (DE)                              | Tonnes                | Solid              | 900                           | FIBC 500kg bags/10t container                | Feb 2024                    |                          |   |                 |
| 17.      | Process Reagent                      | Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )  | Tonnes                | Solid              | 5,000                         | Pneumatic truck 30t/65t bulk delivery        | Feb 2024                    |                          |   |                 |
| 18.      | Ion Exchange regeneration reagent    | 32% Hydrochloric Acid (HCl)                          | Tonnes (wet)          | Liquid             | 2,000                         | 20t Tanker bulk delivery                     | Feb 2024                    |                          |   |                 |
| 19.      | Filter Aid                           | Cellulose  | Tonnes                | Solid              | 1,500                         | TBC  | Feb 2024                    |                          |   |                 |
| 20.      | Process pH adjustment                | Calcium Carbonate / Limestone (CaCO <sub>3</sub> )   | Tonnes                | Solid              | 12,000                        | Pneumatic truck                              | Nov 2023                    |                          |   |                 |
| 21.      | Process pH adjustment                | Lime (CaO)   | Tonnes                | Solid              | 12,000 TBC                    | Pneumatic truck                              | Nov 2023                    |                          |   |                 |
| 22.      | Cooling Tower Biocide                | NaOCl – Sodium Hypochlorite                          | Tonnes                | Liquid             | 6                             | Bulk Delivery – milk truck run               | Sept 2023                   |                          |   |                 |