

# MARDIE SALT AND POTASH PROJECT

## EXPRESSION OF INTEREST – Transfer Pumps for Secondary Seawater

### Project Overview

The Mardie Salt & Potash Project a future solar evaporation project that will be a sustainable supplier of salt and potash for decades to come. Mardie is on track to become the first new solar salt operation in Western Australia in over 25 years.

Seawater will be concentrated through solar and wind evaporation to sustainably produce over 5 million tonnes of high-purity sodium chloride salt and 140 thousand tonnes of sulphate of potash (SOP) fertiliser a year.

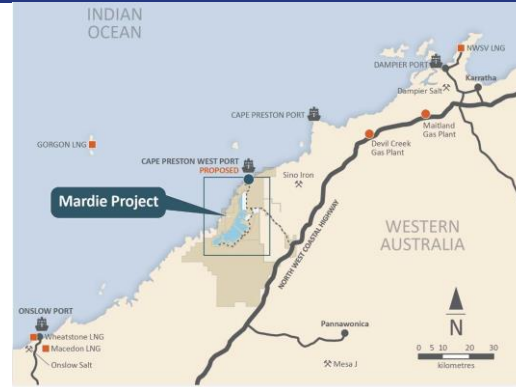


Figure 1 – Project Location

A purpose-built port facility at the Mardie site will directly supply the growing chemical and agricultural industries with salt and SOP for generations to come, with applications across multiple manufacturing processes including renewable energy.

### Package Overview

|                                    |  |                                    |
|------------------------------------|--|------------------------------------|
| <b>Package title</b>               | Transfer Pumps for Secondary Seawater  |                                    |
| <b>Package reference</b>           | MAR171 - Transfer Pumps for Secondary Seawater   |                                    |
| <b>Package description</b>         | Transfer pumps for Secondary seawater to Mardie Salt & Potash Project  |                                    |
| <b>Specific scope requirements</b> | Tenderers to provide pricing for the below options.<br>Option 1: Supply of 3 x Transfer Pumps<br>Option 2: Supply and deliver 3 x Transfer Pumps |                                    |
|                                    | 1.00   | Process Duty and Requirements      |
|                                    | 1.01   | Design Duty                        |
|                                    | 1.02   | Pump Type                          |
|                                    | 1.03   | Description of Fluid               |
|                                    | 1.04   | Liquid Density<br>t/m <sup>3</sup> |
|                                    | 1.05   | Liquid Viscosity<br>cP             |
|                                    |  | Design                             |
|                                    |  | Horizontal Centrifugal             |
|                                    |  | Seawater                           |
|                                    |  | 1.029                              |
|                                    |  | 1.1                                |

|  |  |  |  |
|--|--|--|--|
|  | 1.06   | Temperature average / min / max<br>°C    | 26.4 / 12.0 38.0                           |
|  | 1.07   | Number of duty pumps                     | #2   |
|  | 1.08   | Number of standby pump                   | # 1  |
|  | 1.09   | Pump Duty (per pump)                     |  |
|  | 1.10   | Flow Rate                                | m <sup>3</sup> /h 1,600                    |
|  | 1.11   | Flow Rate                                | L/s 444                                    |
|  | 1.12   | Total Dynamic Head<br><i>m(solution)</i> | 70.0                                       |
|  | 1.13   | NPSH <sub>a</sub><br><i>m(solution)</i>  | CTA based on Layout Sketch below           |
|  | 1.14   | Priming Pump                             | Yes/ No Yes                                |
|  | 1.15   | Priming Pump Equipment Numbers           | 174-PF-004<br>174-PF-005/006 (if required) |
|  | 1.16   | Drive Type                               | Electric Motor                             |
|  | 1.17   | Speed Control<br>fixed / variable        | Variable                                   |
| <b>Exclusion from the scope of works</b> | Installation   |  |  |
| <b>Contracting Strategy</b>              | Tender   |  |  |
| <b>Forecast Award Date</b>               | July 2023  |  |  |
| <b>Forecast Commencement Date</b>        | July 2023  |  |  |
| <b>Pre-Qualification Requirements</b>    | <p>As a minimum:</p> <ol style="list-style-type: none"> <li>1) The contractor is required to demonstrate capability of supplying equipment of similar specifications</li> <li>2) Demonstrate after sale support</li> <li>3) provide past project references of supplying similar equipment</li> </ol>  |  |  |
| <b>Expression of Interest</b>            | <p>Contractors are invited to express an interest in this scope of work by registering on the ICN Gateway online platform. Please ensure:</p> <ul style="list-style-type: none"> <li>• The Company profile on ICN Gateway is complete, up-to-date and accurate; and</li> <li>• Interest is registered as full-scope or partial-scope supplier (where applicable).</li> </ul> |  |  |

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**Applicable Standards**

It is a BCI Minerals requirement that standards utilised are Australian. All invitations to tender, tender and contract document references will stipulate required standards requirements. In certain circumstances, subject to agreement by BCI Minerals, materials specifications in tender documents may be met by using either Australian or the equivalent internationally recognised standards.

**Disclaimer**

This package description and target award date is indicative only and subject to change. It is intended to provide a brief outline only of certain works that may be required for proposed BCI Minerals Project and should be read in conjunction with the BCI Minerals Project description on ICN Gateway. Full scopes of work will be made available to parties invited to tender. There is no undertaking to contract or proceed to a competitive process implied by this form. Further contact with interested suppliers will be at BCI Minerals discretion.