

MARDIE SALT AND POTASH PROJECT

EXPRESSION OF INTEREST

Project Overview:

The proposed Mardie Salt & Potash Project (**Project**) is located within Australia's major salt producing region on the West Pilbara coast. The Project is proposing to be Australia's first to produce salt and Sulphate of Potash (**SOP**) through the evaporation of seawater.

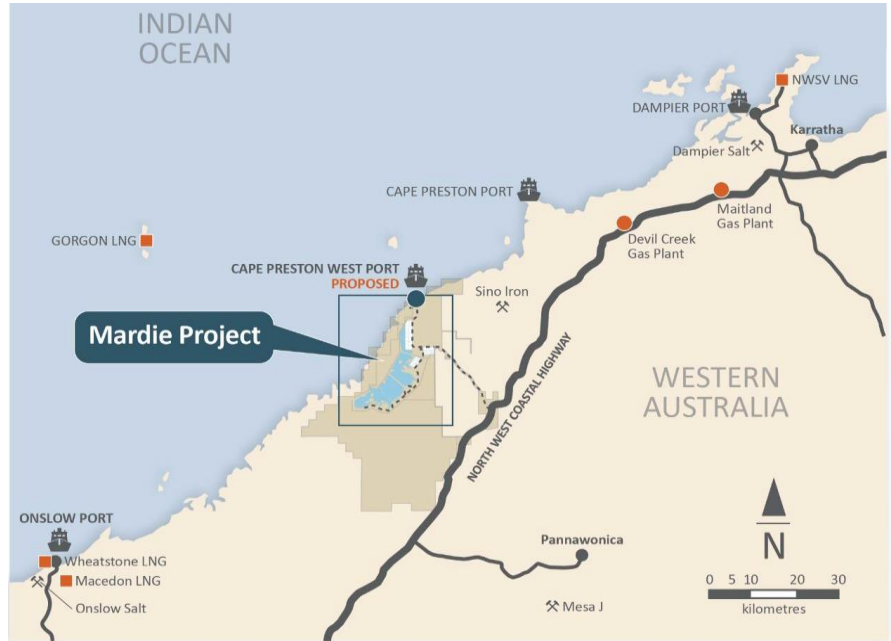


Figure 1 – Project Location

Package Title:

SOP Process Pilot Plant Test Campaign

Package Reference:

2000-CNS-MAR112

Package Description:

The Specific Scope Requirements below sets out the services required to be undertaken by the Consultant for the SOP Process Pilot Plant Test Campaign.

The Consultant must treat the KTMS sample to establish the operating performance of the proposed Mardie Salt SOP process plant flowsheet.

Specific Scope Requirements:

The Consultant must configure and operate the SOP Process pilot plant to treat the Company supplied KTMS sample with suitably selected and sized equipment, fit for duty, and provide stable plant operation in accordance with the design parameters (or as agreed with the Company), and deliver the following items as part of the overall piloting programme:

1. Provide a safe working environment in the pilot plant and associated work areas.
2. Provide site storage for up to 20x200L drums and 20x1m³ intermediate bulk containers (IBCs).
3. Provide suitable equipment and set-up of the pilot plant in accordance with the Company's configuration requirements; provide copies of the standard operating procedures developed for operating equipment, running circuits and sampling/measurement.

4. The Company intends to have a professional video made of the pilot plant operation and thus requires the laboratory to provide a dedicated pilot plant area that is clean, tidy, and uncluttered with miscellaneous lab. equipment. Non-essential equipment should be removed from the pilot plant area.
5. Arrange the plant layout in such way that all circuits and major equipment items are in close proximity to each other i.e., minimise piping runs etc. The plant footprint should be kept small and compact.
6. Sample receipt (inventory): weighing & logging; maintain chain of custody documentation for all pilot plant samples.
7. Sample preparation, blending and batch crushing of the two feed samples to P50 -2mm (note: samples to be kept separate).
8. Wet commission the pilot plant to demonstrate to the Company its readiness.
9. Continuous integrated operation of each of the individual major processing steps (unit operations) in the pilot flowsheet.
10. Operation of each of the pilot plant circuits at the specified parameters (or at conditions agreed with the Company) to enable the metallurgical design and overall campaign objectives to be achieved.
11. Carry-out regular (control) plant stream measurements (flowrates, density checks, % solids measurements etc) to monitor and verify the plant circuits are operating as specified; Log-sheet recording of plant conditions.
12. Provide recommendations for plant changes (equipment/configuration) to optimise the practical operation of the plant and/or its metallurgical performance.
13. Perform circuit/plant sampling surveys as specified in the sampling regime.
14. Perform comprehensive circuit/plant sampling surveys i.e., profile sampling – during representative periods of steady-state optimal operation.
15. Provide copies of completed log sheets (draft data) daily for review & analysis by the Company and Company's representatives.
16. Generate and issue each morning a plant operations report detailing plant safety (incident reporting), plant observations, operational and equipment issues etc.
17. Generate and issue each morning a Daily Metallurgical Report, summarising plant operating conditions, process targets and set points, and metallurgical performance indicators (KPIs) for previous 24hrs plant operation.
18. Provide functional excel spreadsheets for the mass balances (and key elemental % deportments) generated for individual surveys obtained for each stage/process step (and unit operations therein), overall circuit (campaign) mass balances, and for each ore sample overall i.e., overall plant recovery (for each ore feed).
19. Report multi-element scans (by acid-digest ICP-OES/MS and/or fusion-XRF) for solid and liquid plant samples (as specified).
20. Report for chloride (by AgNO_3 titration) and sulphate (by BaCl_2 gravimetry) for liquid plant samples (as specified).
21. Provide control, survey (profile) and mass balance physical and analytical data with the appropriate turnaround times, to allow timely assessment of plant performance, and implementation of changes to operating conditions to

optimise performance; faster turnaround times (TATs) (or faster partial (interim) reporting) on profiles in schoenite conversion, schoenite flotation and SOP conversion will be required in the early stages of each run, to confirm selected conditions.

22. Collect and prepare samples from the pilot plant campaign, for subsequent testing by the Company's nominated equipment vendors.
23. Manage and perform off-line test work as specified: corrosion coupon testing; and provide detailed report(s) of these works.
24. Perform QA/QC checks on analytical measurements.
25. Make available working space (and utilities) in the plant area (and/or associated laboratory facility) for contractors arranged by the Company, to conduct test work or operate equipment in association with the pilot plant.
26. Provide a fully functional excel (draft) data package (containing physical and analytical data and mass balances) within two (2) weeks from the completion of the pilot plant campaign. Note: If the Laboratory is unable to provide fully functional excel data files, this should be clearly stated in the proposal submission.
27. Provide a final campaign data package and interim written summary report within four (4) weeks of concluding the pilot plant operation.
28. Provide a written Summary Final Report covering the operation and results of the pilot plant campaign (and supporting Final Excel mass balances and data report) within a timeframe as agreed with the Company, and no later than six (6) weeks after completion of piloting.

The Consultant is responsible for providing all Work under the Contract including all necessary piloting and laboratory facilities, plant, labour, supervision, materials, sample preparation and laboratory assay required to safely execute the SOP process pilot test plant program and all associated elements.

Contracting Strategy:

The services will be performed under a "Consultancy Contract" with Company provided commercial terms.

Forecast Award Date:

Q4 2021

Forecast Construction Commencement Date:

Q2 2022

Generic Pre-Qualification Requirements:

The service provider is required to demonstrate similar scale and complexity of works successfully performed for the stated scope and be willing to provide past project references (and if necessary, site visits to past projects) to establish market capability to carry out the works.

Expression of Interest:

Service providers are invited to express an interest in this scope of services work by registering on the ICN Gateway online platform.

Please ensure:

- Company profile on ICN Gateway is complete, up-to-date and accurate; and
- Interest is registered as full-scope or partial-scope supplier (where applicable).

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.

