



# South of Embley project

## Expression of interest

## Conveyor Gearboxes and Drives

Package Number: 25977-000-MRA-MUV0-00001

Package Title: Conveyor Gearboxes and Drives

### General Description

Rio Tinto's proposed South of Embley (SoE) project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. Suppliers are requested to furnish all labour, materials and services for the design, fabrication, testing, preparation for shipment and delivery of Conveyor Gearboxes and Drives.

### Specific Scope Requirements

Conveyor drives will range from 90kW to 900kW of installed power. The total number of conveyor drives required for this project is 18.

Conveyor drives will be supplied with:

- Electric motor
- Gear reducer
- High speed flexible coupling
- Low speed rigid coupling
- Disc brake on the high speed shaft (if required)
- Holdback (if required)
- Common mounting base complete with torque arm
- Safety guards

The equipment shall comply with the following statutory requirements.

- The Queensland Mines and Quarrying Safety and Health Act and Regulations
- Work Health and Safety Act (Qld)

The design shall conform to all codes, standards, rules and regulations governing in the State of Queensland, Australia and all authorities having jurisdiction over the site. Suppliers shall be responsible for applying and obtaining the necessary Statutory Stamps, Approvals and Certifications for all materials and equipment covered by this specification.

For the purpose of determining fatigue cycles and machine design life, the following shall apply.

Operating Hours per Day	24
Operating Hours per Year	7800
Design max ambient temperature:	40°C 1
Design min ambient temperature:	10°C 1
Average annual rainfall	2100 mm
Design relative humidity:	Up to 100%, typically 90%
Design altitude:	<50 m above sea level
Seismic Zone:	Seismic acceleration coefficient 0.1 in accordance with AS 1170.4

## **Delivery Schedule**

### **Forecast Award Date: 1Q, 2016**

In 2015, Rio Tinto is undertaking a detailed feasibility study on the Project that will inform a final investment decision. A decision is expected to be received in the final quarter of 2015. Future procurement decisions are dependent on board approval.

Construction of associated mine infrastructure is anticipated to take 36 months once final board approval is granted.

## **Instructions to suppliers**

If your business possesses the capability and capacity to perform the stated scope of work, please submit a registration of interest via the ICN Gateway at [www.southofembley.icn.org.au](http://www.southofembley.icn.org.au).

Please ensure that:

- Your company profile on ICN Gateway is complete, up-to-date and accurate
- You register your interest as a Full Scope or Partial Scope supplier (where applicable), and
- You respond to all project-specific questions via the ICN Gateway.

## **More Information**

Please contact the Industry Capability Network Queensland on +61 (7) 3364 0676 should you have any enquiries regarding this scope of work.

More information about the South of Embley Project can be found on the Rio Tinto website [www.riotinto.com](http://www.riotinto.com).

## **Disclaimer**

Scope of Work is indicative only and is intended to be used as a summary description of work which may be required by Rio Tinto and may be subject to change. Full scopes of work will be made available to parties that are 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 Rio Tinto's discretion.