



South of Embley project

Expression of interest

Conveyor Pulleys

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

Package Title: Conveyor Pulleys

General Description

Rio Tinto's South of Embley project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. The Project site will require Conveyor Pulleys. The scope includes design, manufacture, factory acceptance testing and supply of Conveyor Pulleys.

Specific Scope Requirements

The pulley shall be of a live shaft design complete with bearings, bearing housings, seals, locking assemblies, shell, end discs, shaft, lagging and where applicable coupling halves.

The scope of work includes pulleys for the following belt widths:

- 1200mm
- 1500mm
- 1800mm
- 2200mm
- 2400mm

Pulley diameters will range from 500mm to 1000mm.

Shafts shall be designed for infinite life in accordance with AS 1403.

Non-driven pulley shafts shall be manufactured from grade U1040 or 1045 normalized carbon steel as defined in AS 1442 or AS 1448, GB or DIN equivalent.

Drive pulley shafts shall be manufactured from grade 4140 alloy steel as specified in AS 1444 heat treated to 187/225 BHN.

Shell plates and end discs shall be cut from certified steel plate to AS 3678 Grade 300 or equivalent.

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All pulleys shall be statically balanced to ISO 1940-1 Grade 6.3.

All pulleys shall have live shafts rotating in double row self-aligning roller bearings housed in plummer blocks having grease purged labyrinth seals.

All pulley bearings shall have a L10 life $\geq 65,000h$.

Forecast Award Date: Q1, 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 Tenderers

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.

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.

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.