

# Expression of Interest (RVS Project)

## Robe Valley Sustaining Project

**Project Overview:** The Robe Valley Sustaining Project (Project), the subject of a Feasibility study, consists of the upgrade and expansion of the Mesa iron ore deposits to sustain the existing Robe Valley production. The Robe Valley is approximately 120km southwest of Karratha in the Pilbara region of Western Australia.

**Package Title:** **Switchrooms, Kiosks and Packaged Substations**

**Package Reference:** **RVS/M/SM/2211**

**Package Description:** Design, manufacture and supply of switchrooms, transformer kiosks and packaged substations including the supply of all necessary equipment and sundry items required for the complete assembly, transport, installation, and commissioning of the equipment.

**Specific Scope Requirements:** Suppliers wishing to be considered must be able to demonstrate their ability to complete the following tasks:

- Design, manufacture, and supply high quality, switchrooms, kiosks and packaged substations suitable for operation in iron ore processing plants in the Western Australian Pilbara region.
- Accommodate regular Company inspections of the equipment assembly and testing.
- Make all necessary arrangements for the delivery of all items from the fabrication plant to Site.
- Complete all necessary Pre-commissioning activities at the manufacturing premises .
- Hve successfully delivered switchrooms, kiosks and packaged substations for projects in the Western Australian Pilbara region. Previous experience with major project delivery for Rio Tinto is highly desirable.
- Provide a high level of client service for operational and maintenance support, including mobilization of support resources to remote site locations where required.
- Compliance with, or demonstrate capability to comply with, Rio Tinto documentation requirements, technical and standard specifications.

**Invitation to Tender Date:** 5 November 2018

**Forecast Award Date:** 11 February 2019

**Package-Specific Criteria:**

- The Goods must be of a heavy duty, design suitable for the service and Pilbara site conditions for a 50 year life.
- Design, supply and construct base frame, entry platforms, stairs, handrails and ramps suitable for equipment loading and transportation.
- Design, supply and construct corrosion resistant cladding,

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insulated roof and walls and rainwater discharge system suitable for cyclonic weather events.

- Installation of 33kV and 6.6kV switchboards, 415V MCCs and 6.6kV VSDs and transformers all free issued by the Company.
- Design Supply and install floor penetrations and gland plates for bottom entry cables.
- Design, supply and install 415V VSDs
- Design, supply and install lighting and small power distribution boards.
- Design supply and install UPS
- Design, supply and install HVAC units to positively pressurise the room.
- Design, supply and install 24VDC and 110VDC distribution.
- Design, supply and install a generator changeover.
- Design, supply and install lighting, emergency lighting and GPOs.
- Design, supply and install a fire management system consisting of an indication panel, FM200 gaseous automatic extinguishing, VESDA, fire CO2 extinguishers and associated warning indications and controls.
- Design, supply and install 2 x Network Equipment Panels to terminate SMOF and CAT6 STP cables.
- Design, supply and install communications systems including CCTV, telephone and access control.
- Design, supply and install a remote switching terminal for HV and MV equipment.
- Design supply and construct packaged substations including MCC enclosure, oil containment, oil sampling points, cable boxes, bottom entry cable, IPX4 transformer enclosure, folded sheet metal enclosure and based structure.
- Design supply and construct transformer kiosks including oil containment, oil sampling points, cable boxes, bottom entry cables, IPX4 transformer enclosure, folded sheet metal enclosure and based structure.
- Transportation of switchrooms, substations and kiosk to Site including arrangement of all permits and escorts as required.

### Generic Pre-Qualification Requirements:

NA

### Expression of Interest:

Suppliers and contractors 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 supplier (where applicable); and
- Responses to the generic pre-qualification criteria (questions) via the ICN Gateway, is provided.

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**EOI Start Date:** 25 September 2018

**EOI Closing Date:** 9 October 2018

**Contact:** Industry Capability Network of Western Australia. (+618) 9365 7556  
More information about Pilbara projects at Rio Tinto is available at  
<http://www.riotinto.com/australia/pilbara-4691.aspx>

**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 Rio Tinto projects and should be read in conjunction with the Rio Tinto 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 Rio Tinto's discretion.*