

## Expression of Interest (WTS2 Project)

### Western Turner Syncline Phase 2 Stage 2 Project

- Package Title:** Switchrooms, kiosks, switchboards & associated MCC's.
- Package Reference:** WTS2/E/SM/2210
- Package Description:** Design, manufacture and supply of transportable switchrooms, electrical kiosks/ enclosures, 415V motor control centres (MCC), and 33kV Ring Main Units (RMU)/ Switchboards, including the supply of all necessary equipment and sundry items required for the complete assembly, transport, installation, and commissioning of the equipment. Deliver all equipment above to site
- 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 transportable switchrooms, electrical kiosks/ enclosures, 415V MCCs, and 33kV RMUs/ switchboards 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.
  - Have successfully delivered transportable switchrooms, electrical kiosks/ enclosures, 415V MCCs, and 33 kV RMUs 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.
- Forecast Award Date:** 18 June 2020
- Package-Specific Criteria:**
- The Goods must be suitable for operation in the climatic and environmental conditions of Tom Price, Western Australia.
  - 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, insulated roof and walls and rainwater discharge system suitable for cyclonic weather events.
  - Design, supply and install of 415V MCCs and 33kV RMUs/ switchboards.
  - Installation of 6.6kV variable speed drives (VSDs), 3.3kV VSDs,

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- 415V 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 lighting and small power distribution boards.
  - Design supply and install uninterruptible power supplies (UPS), DC battery chargers, and associated battery banks.
  - Design, supply and install heating, ventilating, and air conditioning (HVAC) systems.
  - Design, supply and install 24VDC and 110VDC distribution.
  - Design, supply and install 415V generator connection box, and changeover switch.
  - Design, supply and install lighting, emergency lighting and GPOs.
  - Design, supply and install fire management systems, aspirating smoke detection systems, gaseous fire suppression systems, fire treatment and fire extinguishers for the transportable switchrooms.
  - Design, supply and install network equipment panels for the transportable switchrooms.
  - Design, supply and install communications systems including CCTV, telephone and access control.
  - Design, supply and install a remote switching and indication panels (RSIPs) for the transportable switchrooms.
  - 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:

As per (draft) Selection Criteria - RT to complete

### 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.

**EOI Start Date:**

24 January 2020

**EOI Closing Date:**

21 February 2020

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Contact: Industry Capability Network of Western Australia.  
Ray Loh on +61 8 9365 7499

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.*