

Expression of Interest

Koodaideri Project – Phase 1

Project Overview: The Koodaideri Project (Project), consists of the development of a new iron ore mine located approximately 110km west-northwest of Newman in the Pilbara Region and associated rail infrastructure which extends from the Koodaideri mine to Rio Tinto's existing rail network at Lyre.

The mine will include dry crushing and screening plant, non-process infrastructure, product stockyards, rail loop and load-out and rail link to Rio Tinto's main rail line.

Package Title: **Process Plant Control System**

Package Reference: **KD1/J/CC/1616**

Package Description: The scope of work is for the design, manufacture, supply and assembly of the Process Plant Control System, complete with hardware, software programming, testing and commissioning services as per below:

- manufacture, supply and transport of i/o marshaling, communication and PLC panels and associated equipment;
- development of PLC, SCADA and networking equipment standards;
- programming and commissioning of PLCs, SCADA and related intelligent electronic devices;
- development of documentation including functional descriptions and FAT, SAT procedures;
- development of simulations for the purpose of system verification;
- integration of 3rd party supplied systems into the main plant control system.

The scope also includes contractor support for vendor FATs and commissioning of the equipment and training of company personnel onsite.

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

- demonstrate design and programming capability in Citect SCADA systems;
- demonstrate familiarity with best practice user interface design and capability to design user interfaces in accordance with ISA-101 standards;
- demonstrate design capability for industrial networks with a focus on fault tolerance and cyber security;
- demonstrate design and programming capability in Schneider or Rockwell PLC and I/O systems;
- Schneider certified alliance partner or Rockwell strategic alliance partner;

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- demonstrate ability to provide spares and after sales service support;
- demonstrate capability to manage sub-contracts for the manufacture of equipment;
- demonstrate completion of projects with a similar scope and budget of greater than \$1 million within the last three (3) years;
- demonstrate manufacturing capacity and capability to achieve Project schedule requirements;
- demonstrate that the equipment supplied will be of high quality and standards that meet or exceed the Project quality requirements and specifications;
- demonstrate ability to supply and support digital data in regards data centric delivery during the Project execution phase and later to support the operation and maintenance of the equipment;
- demonstrate a workforce greater than 25 direct employees; and
- ISO 9001 certification or equivalent.

Forecast Award Date: July 2019

Package-Specific Criteria: Ability to design and supply the equipment to the design data as specified in the equipment datasheets, technical specification, scope of work and other requirements stated in Contract Documentation.

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 Commencement Date: 20 December 2018

EOI Closing Date: 24 January 2019

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.*