

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:** **Laboratory (including Building and Equipment)**
- Package Reference:** **KD1/A/CC/1614**
- Package Description:** The design, construction and commissioning of the mine sample preparation and analysis laboratory, the sample processing equipment it contains, building and support equipment and services.
- The sample processing equipment will be robotic and highly automated. The design capacity required is 200,000 samples per annum, with the ability to be expanded in the future to support an additional process plant, with an additional 200,000 samples per annum. The automation system must interface with the process plant and StarLIMS HMI systems.
- Specific Scope Requirements:** Contractors wishing to be considered must demonstrate their capacity to deliver the facility complete, operational and containing, but not limited to, the following:
- four hundred (400) square meter commercial building to house the automation system, facility is to comply with all Australian Standards & National Construction Codes;
 - automated sample processing systems that process samples compliant to, but not limited by, the following standards; ISO3082, ISO3085, ISO3086, ISO3087, ISO4701, ISO9516 and ISO11536;
 - supply of pit sample racks to be used in the field and facility, sample drying and automated pit sample preparation for 183,000 samples per annum;
 - automated fused bead to XRF and TGA LOI analysis for all samples prepared at the facility including FTIR benchtop spectrometers;
 - automated registration of plant samples and barcode scanning of pit samples; functionality to track, record and control QA/QC samples through the system and system quality checking as per ISO requirements;

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- all system controls, functional safety systems, tracking and transferal of all sample and machine state data to StarLIMS and other corporate systems;
- demonstrate that manufacturing capacity and capability at proposed locations for equipment supply can deliver the equipment on schedule and at the specified quality as agreed with the Engineer;
- demonstrate that the capacity and capability for the required logistics and site construction and commissioning, can deliver the equipment on Project schedule and integrate the equipment into the overall facility;
- demonstrate that the scope can be delivered to the highest standards of health and safety, with zero harm to people and environment;
- demonstrate experience of successful completion of similar projects; and
- demonstrate that the equipment supplied will be of high quality and standards that meet or exceed the Project quality requirements and specifications.

Forecast Award Date: April 2019

Package-Specific Criteria: Ability to design and supply the facility complete and operational to the design data as specified in the Functional & Technical Specification and all 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: 25 October 2018

EOI Closing Date: 22 November 2018

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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.