



# Amrun project

## Expression of interest

## PLC Control and SCADA

Package Number: 25977-000-MRA-JD02-00001

Package Title: PLC Control and SCADA

### General Description

Rio Tinto's proposed Amrun project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. The proposed Amrun site will require PLC (Programmable Logic Controller) Control and SCADA. The scope includes design, manufacture, testing and supply of PLC control and SCADA hardware, as well as providing technical support during construction and commissioning.

### Specific Scope Requirements

This package includes the supply of PLC control panels and communications cabinets for installation in transportable switchrooms.

PLC control panels will utilise Rockwell hardware including ControlLogix, GuardLogix and CompactLogix. Control panels will be manufactured to the project designs and standards and will include cabinets, PLC hardware, IFM modules (Interface Module), power supplies, communications switches, field termination, patch wiring, and cabling for power, earth and communications.

Programming of the PLC's and communications switches will be performed by others. There are fourteen (14) PLC control panels estimated to be required for the project.

Communications panels will be free standing, 42U high, 800mm wide cabinets include network switches, fibre and STP (shielded twisted pair cable) termination panels, power distribution and provision for the installation of free issued equipment (servers, workstations, networks equipment).

All panels will be completely assembled, pre-wired, and tested as a complete package prior to shipment. Panels will be built and shipped to align with the projects schedule for transportable switchrooms and offsite testing.

The vendor may be required to provide technical assistance and on-site services as required by Rio Tinto for the setup, testing and/or commissioning of the panels in the switchrooms and/or on site.

The electrical design, construction and installation will conform to all applicable Laws and Australian Standards including, but not limited to:

- Electrical Safety Act 2002 (Qld)
- Electrical Safety Regulation 2013 (Qld)
- Work Health and Safety Act 2011 (Qld)
- Work Health and Safety Regulation 2011 (Qld)
- Mining and Quarrying Safety and Health Act 1999 (Qld)
- Mining and Quarrying Safety and Health Regulation 2001 (Qld)
- Workplace Health and Safety Queensland Code of Practice for Plant
- Workplace Health and Safety Queensland Code of Practice for Noise Management at Work
- AS 3000 – Wiring Rules
- AS 3007 - Electrical Equipment in Mines and Quarries – Surface Installations and Associated Processing Plant
- AS 4871 – Electrical equipment for mines and quarries - General requirements

**Forecast Award Date: 3Q, 2016**

### **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.amrun.icn.org.au](http://www.amrun.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 Amrun Project can be found on the Rio Tinto website [www.riotinto.com](http://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.