



# Amrun project

## Expression of interest

## Reinforced Earth Wall

Package Number: 25977-000-MRA-DA21-00001

Package Title: Reinforced Earth Wall

### General Description

Rio Tinto's Amrun Project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. The Amrun Project site will require a reinforced earth wall. The scope includes design, manufacture, testing and supply of components for the construction of the reinforced earth wall, as well as providing technical support during construction and commissioning.

### Specific Scope Requirements

The reinforced earth system shall be a standard proprietary system, consisting of at least galvanised modular steel facing panels and soil reinforcing ties. The wall surrounds the truck dump hopper and shall provide the foundation for the truck dump bridge above the hopper and suspended slab for the intermediate dozing of stockpiled bauxite into the hopper opening at the rear. The wall shall also provide support to the hopper structural steel frame via lateral supports and connections at the wall face.

The scope of work shall include:

- Detailed design and RPEQ certification for the reinforced earth wall;
- Supply of wall facing panels, reinforcing ties and accessories; and
- Site engineering and construction RPEQ certification of installed reinforced earth wall

The scope of work does not include the installation of the reinforced earth wall.

The reinforced earth system shall have proven and demonstrable performance in similar applications and site conditions present at the Amrun Project. The design and supplied components will be required to provide a platform for the continual operation of the truck dump for a design life of 50 years with minimum maintenance and monitoring, and no repair.

The design shall consider the use of locally sourced material as structural backfill in the reinforced earth block.

Design of the reinforced earth wall will include working with Project facility engineers to provide design for interface with the truck dump bridge and dump hopper structure lateral supports, and details of associated settlements.

Submittal of certified (REPQ) design, installation drawings, manuals, methods and specifications will be required prior to delivery of the reinforced earth wall for installation, including a maintenance and monitoring program manual with the minimum requirements for monitoring the performance of the reinforced earth wall over the nominated period of service life.

During the construction phase, qualified and experienced personnel shall assess and provide RPEQ certification of the reinforced earth wall including installation of structural supports, abutment and other components which affect the reinforced earth walls performance.

The design of the reinforced earth wall shall comply with relevant standards, regulations, codes and statutory requirements in Australia.

**Forecast Award Date: Q3, 2016**

The primary Contractor may utilise the ICN Gateway to procure subcontractors for partial scopes of work. Expressions of interest for works associated with this scope are therefore encouraged to be submitted to ICN.

**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.