



South of Embley project

Expression of interest

CCTV and Security

Package Number: 25977-000-MRA-EE00-00001

Package Title: CCTV and Security

General Description

Rio Tinto's proposed South of Embley project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. The Project site will require a CCTV and a Security System. The scope includes design, implementation and factory acceptance testing for the systems (further details provided in Specific Scope Requirements), and the development of a detailed integration plan of the security servers (configuration, roles and rights, cardholder database, reports, licensed options) to existing East Weipa system, as well as providing technical support during construction and commissioning.

Specific Scope Requirements

This system includes ten (10) cameras and nine (9) security panels.

The scope of work includes, but is not limited to the following:

Security:

- Substation, SoE Control Room and SoE IT Room access controls and monitoring
- Controlled vehicle and personnel security gates for Humbug and Boyd Jetty
- Security tagboards to track personnel on the ferry, barge or Roll-on/Roll-off barge (RORO)
- Interface to 3rd party security controllers on the communications towers and rail mounted machines
- Redundant security access servers, clients and enrolment stations

CCTV:

- Process security cameras for beneficiation and truck dump station
- Security cameras for Humbug, Hey River, Lorim Point Diesel, Boyd Jetty
- Interface to 3rd party cameras on the communications towers and rail mounted machines
- Redundant digital video servers, clients

The CCTV and Security system shall provide the following functions:

- Monitoring and control of access to all low voltage and high voltage substations

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- Monitoring of access to the SoE site
- Monitoring of access from/to ferry terminals and associated car parks
- Video surveillance and recording of variation locations throughout the site and security access point
- Real time viewing and playback of recorded and archived video
- In line compression and bandwidth optimisation
- Integration within the SoE control room environment.

The CCTV systems shall provide 24 x 7 monitoring and recording of specific parts of the facility. Video shall be captured, compressed and stored for future retrieval. Some video streams shall be optimised in their storage to only store video for a certain period before and after an event i.e. swipe card access in the security system. This shall provide for optimal data storage. Movement detectors shall also be incorporated for data logging purposes

An integrated security system shall be provided to enable advanced access controls for personnel and/or vehicles. The system shall be based upon proximity swipe card technology.

The security access controls shall be designed to operate independent of the security server application to ensure controls in the event of loss of communications or server disruptions.

Delivery Schedule

Forecast Award Date: 1Q, 2016

In 2015, Rio Tinto is undertaking a detailed feasibility study on the Project that will inform a final investment decision. A decision is expected to be received in the final quarter of 2015. Future procurement decisions are dependent on board approval.

Construction of associated mine infrastructure is anticipated to take 36 months once final board approval is granted.

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.southofemblembley.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 South of Embley Project can be found on the Rio Tinto website 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.