



South of Embley project

Expression of interest

Diesel Fuel Storage, Distribution & Dispensing

Package Number: 25977-000-MRA-MHLF-00002

Package Title: Diesel Fuel Storage, Distribution & Dispensing

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 Diesel Fuel, Storage, Distribution and Dispensing facility. This package includes the design, manufacture, factory acceptance testing and supply of a Diesel Fuel Storage, Distribution and Dispensing System. Diesel System is a permanent installation within the Mine Industrial Area (MIA) of the Project.

Specific Scope Requirements

The Diesel System shall comprise four sub-facilities;

- A tank farm with adjacent unloading apron,
- A Light Vehicle/Medium Size Vehicle (LV/MV) refuelling area,
- A Heavy Vehicle (HV) refuelling facility in the Heavy Mine Equipment (HME) Work Shop
- Facilities for supply of diesel fuel to Diesel Generators (DG) .

The LV/MV refuelling area is located close but is physically separated from the tank farm. The distribution pipe work between the matching flanges at battery limit of the storage facility to the matching inlet pipe flanges at the LV/MV refuelling station, HV refuelling and DG is excluded. Similarly, the pipe work between skid mounted equipment is excluded. The pipework to be supplied in this package includes all interconnecting pipework within the skid mounted equipment. This includes valving and instrumentation associated with the skidded components such as pump skids, storage tanks or any other skid mounted components.

The complete fuel storage and distribution system shall include:

- Provide for the unload fuel from tankers up to B-Double size on the unloading apron using dedicated pipe work;
- Store the required capacity of diesel fuel;
- Dispense fuel to refuelling apron(s) using dedicated pipework and pumps;
- Perform post-storage filtration;
- Incorporate the ability to empty and isolate individual tanks as required for inspection, maintenance and cleaning.

- Incorporate and integrate a Fuel Management System (FMS) for dispensing of all diesel fuel.

Package scope of supply outlined below:

- 1x Diesel unloading system including all associated components
- 3x Diesel storage tanks of 110,000 Lt Storage capacities each, including all associated components
- 2x Diesel Supply Pumps for supply to Diesel Generators including all associated components
- 2x Diesel Supply Pumps for supply to HV refuelling station including all associated components
- 1x HV refuelling facility in HME work shop
- 1x Light and medium vehicle refuelling facility including all associated components
- 2x Filtration stations (HV & DG supply lines)
- 2x Switchboards to house PLC, FMS, Network, Field terminations (fuel farm & HME workshop)
- Provide server hardware for installation at the MIA server room in the admin building for Fuel Management System (FMS).
- Control and monitoring of the equipment shall be integrated with the Rio Tinto's Mine Data network
- 1x Lot of Associated pipework
- 1x Lot of Associated electricals and cabling
- 1x Lot of Associated Signage for Operation and Safety of the Diesel Fuel Storage, Distribution and Dispensing Facility.

All the work shall be performed in accordance with Queensland Laws and Australian Standards.

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.southofemblemly.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.