



South Flank

Iron Ore Project – Expression of Interest

Project Overview: The proposed South Flank project is located adjacent to BHP's existing Mining Area C ('MAC') operation in the Pilbara region of Western Australia. An overview of the proposed South Flank project is available at www.southflank.icn.org.au

Package Title: 132/33kV HV Transmission and Distribution

Reference: 020-9641-C-83619

Package Description: The package will consist of two separable portions as detailed below, which may be contracted as a single contract comprising both separable portions or two separate contracts for each separable portion:

Separable Portion 1 – Electrical 132kV Transmission:

- Site construction of the new 132kV AIS switchyard (4 bays), breaker and a half configuration and relay room
- Site installation of Dynamic Reactive Support System
- Site construction of the 132kV/33kV Switchyard at MAC utilising BHP ('Company') supplied 132kV and 33kV GIS switchrooms and relay room
- Design and Construction of 132kV overhead transmission line (approx. 14 km)
- Termination of pre-installed 132kV underground cable

Separable Portion 2 – Electrical 33kV Distribution:

- Transport and site installation of Company supplied 9 x switchrooms onto existing concrete footings
- Site installation of Company Supplied Ring Main Units, Transformers and Neutral Earthing Resistors at each substation
- Site installation of approx. 10 x Company supplied Kiosk substations and outdoor MCCs
- Design and Construction of 33kV overhead transmission line (approx. 21 km)
- Termination of all pre-installed 33kV cables

The Company will free issue the following equipment (all Perth supply):

- 132kV and 33kV switchrooms and relay rooms, factory tested, ex manufacturer's premises
- 132kV Air Insulated Switchgear
- Transformer kiosks and outdoor MCCs
- HV Cable
- Dynamic Reactive Support System

All equipment required to complete the works which are not nominated as free issue items by the Company will be procured by the Contractor.

The Company will provide engineering design to Approved For Construction ('AFC') for all electrical works except for the Overhead Line Design.

Work required for this package will include but not be limited to:

- Provision of project and construction management including planning, reporting, inspections, testing and commissioning assistance, material control and inspection, document management and certification;
- Shutdown management in alignment within an active mining operation;
- Interface management with Company's other contractors including the bulk earthworks and concrete construction contractor, inflow, process and outflow construction contractors and active mining operations.

Target Award Date:

Q3, CY2018

Expression of Interest (EOI):

Suppliers and Contractors are invited to express an interest in this scope of work by registering on the [ICN Gateway](#) online platform. Please ensure that your ICN Gateway company profile is up to date before registering your EOI.

EOI Closing Date:

1 September 2017

Contact:

Industry Capability Network of Western Australia. (+618) 9365 7490

Project URL's:

For more information about BHP Billiton please refer to the company website www.bhpbilliton.com

For information on specific project opportunities please visit the ICN Gateway online platform at gateway.icn.org.au

Disclaimer:

This package description and target award date is indicative only and subject to change. It is intended to provide only a brief outline of certain works that may be required for the proposed South Flank Project and should be read in conjunction with the South Flank project description on ICN Gateway.