



IRON BRIDGE MAGNETITE PROJECT
PACKAGE 662NSC2002 – PROCESS PLANT CONSTRUCTION
SCOPE OF WORK

Project Overview:	<p>IB Operations Pty Ltd (IB Operations), as agent for the joint venture between FMG Magnetite Pty Ltd and Formosa Steel IB Pty Ltd, is developing a new magnetite mine and associated infrastructure at its Iron Bridge site (Iron Bridge Magnetite Project).</p> <p>The Iron Bridge site comprises the North Star, Eastern Limb, Glacier Valley and West Star magnetite iron ore deposits located in the Pilbara region of Western Australia.</p> <p>The Iron Bridge Magnetite Project will include the execution of a process plant, non-process infrastructure, a slurry and return water pipelines, a raw water pipeline and port infrastructure to support 22 wmtpa production.</p> <p>Delivery of first ore is expected in the first half of calendar year 2022.</p>
Package Title:	Process Plant Construction
Reference:	662NSC2002
Package Description:	<p>At the time of publishing this invitation to register an interest, the Works include the construction of the Dry and Wet ore processing facilities (Process Plant) that form part of the Iron Bridge Magnetite Project.</p> <p>The Works include:</p> <ul style="list-style-type: none"> • detailed earthworks; • concrete foundations, slabs, columns and pedestals; • connection of modules and installation of loose steel; and • installation of all free issued equipment, wiring, cabling and piping as required. <p>The major equipment to be installed by the Contractor includes, but is not limited to the following:</p> <ul style="list-style-type: none"> • gyratory crushers and ancillary equipment; • rock breakers and cranes; • low profile feeders; • cone crushers and ancillary equipment; • radial stacker and maintenance cradle; • apron feeders; • stockpile vault and emergency access tunnel; • HPGRs with motors and ancillary equipment; • double deck banana screens; • dry magnetic separators; • overhead gantry cranes; • baghouse modules; • fans and associated ductwork; • static and dynamic air classifiers; • screw feeders and rotary valves; • air conveyors; • relocatable conveyor modules; • dust suppression system; • mobile stacker; • conveyor modules, shuttles, trusses, stair towers, sampling equipment, drive stations, cable tray and pipework;

- idlers, pulleys, drives, belting and conveyor protection devices;
- wet magnetic separators;
- distributors and associated pipework;
- hoppers and transfer pumps;
- grinding mills;
- mill media feed system;
- thickeners;
- storage tanks and foundations;
- positive displacement pumps;
- centrifugal tailings pumps;
- DICL piping and HPDE spigots;
- Services, which will include the installation of:
 - piperacks and subterranean piping;
 - slurry samplers and analysers;
 - air compressors, process and raw water pumps and fire water systems;
 - gland water and cooling water;
 - flocculant and coagulant reagent plants;
 - tanks and process ponds;
 - switchrooms and electrical equipment.

The Process Plant includes the following overall indicative quantities:

- 60,000m³ of concrete (including 5,500m³ of pre-cast);
- 21,500t of structural steel and platework (most in modular form);
- 236 major modules;
- 111km of piping (approximately 50% installed in modules);
- 4000 valves;
- 1,680 motors; and
- 615km of cable and associated cable tray (approximately 60% installed in modules).

The Contractor will also need to supply the following:

- cable;
- cable tray;
- nuts and bolts;
- small bore piping;
- small bore valves;
- first fill lubrication; and
- grout.

The Process Plant will be designed by IB Operations. Generally, the Process Plant will be preassembled in modules by others, with the modules, loose plant equipment and stick steel to be free issued by IB Operations to the Contractor.

Design, bulk earthworks, concrete supply, major module preassembly, flights and accommodation are excluded from this scope. Australian Standards apply.

The Iron Bridge Magnetite Project, including this package 662NSC2002 is subject to internal approvals. The procurement process or scope, may change at the IB Operations' election, including to accommodate project budget and time requirements.



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Expression of Interest (EOI):	<p>IB Operations invites expressions of interest (EOI) from capable and experienced contractors and suppliers, who are safety focused and price competitive for this package 662NSC2002 Process Plant Construction.</p> <p>Interested parties must register an EOI on the ironbridge.icn.org.au</p> <p>EOI Registrants are required to provide the following information as part of its EOI:</p> <ul style="list-style-type: none"> a. an ICN Gateway company profile, current in all material respects; and b. completed Preliminary Prequalification Information. <p>IB Operations will use the EOIs to improve its understanding of market capability and interest. Suitable EOI Registrants may be invited to submit a tender for this package 662NSC2002 Process Plant Construction.</p>
EOI Closing Date:	11 June 2019
Target Award Date:	At the time of publishing this invitation to register an EOI, July 2019
Project Contact Officer:	<p>All communications in connection with this invitation to register an EOI for this package 662NSC2002, including clarification regarding this package 662NSC2002 or request for technical support in connection with the EOI or ICN Gateway, must be submitted to:</p> <p>Linus O’Brien, Principal Supply Chain Consultant Industry Capability Network of Western Australia T: (08) 9365 7556 E: Linus.OBrien@icnwa.org.au</p>
Project URL’s:	Details of additional Iron Bridge Magnetite Project opportunities will be published on the ICN Gateway at ironbridge.icn.org.au
Disclaimer:	The information contained in this invitation to register an EOI is indicative only and subject to change at IB Operations’ discretion. It is intended to provide a brief outline of the relevant Works which may be required on the Iron Bridge Magnetite Project and should be read in conjunction with the Iron Bridge Magnetite Project Description on the ICN Gateway.