



<b>Project Overview:</b>	<p>IB Operations Pty Ltd (<b>IB Operations</b>), 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 (<b>Iron Bridge Magnetite Project</b>).</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, 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>
<b>Package Title:</b>	MV/HV Variable Speed Drives
<b>Reference:</b>	662NSP0027
<b>Package Description:</b>	<p>At the time of publishing this invitation to register an interest, the Supply includes the design, manufacture, assembly, factory testing, packaging for transport and loading onto transport of complete sets of Variable Speed Drives (VSDs) to be installed within electrical switchrooms, including:</p> <ul style="list-style-type: none"> <li>- to the following plant areas: <ul style="list-style-type: none"> <li>○ Tertiary Crushing Area – VSDs to control 8 off 5700 kW HPGR motors operating in pairs;</li> <li>○ Primary Grinding Area A – VSDs to control 8 off 3400 kW HPGR motors operating in pairs;</li> <li>○ Primary Grinding Area B – VSDs to control 8 off 3400 kW HPGR motors operating in pairs;</li> <li>○ RMS/Deslimes &amp; Cleaner WMMS Area – VSDs to control 10 off 5000 kW HIG Mill motors operating individually;</li> <li>○ Process &amp; Water Tailings Area – VSDs to control 3 off 2000 kW Process Water Pump motors operating individually;</li> <li>○ Air Classification Areas A &amp; B– VSDs to control 5 off 4250 kW Bag House Dust Collector Fan motors operating individually;</li> </ul> </li> <li>- configuration: All MV/HV VSDs will be powered via suitable transformers from 33 kV switchboards;</li> <li>- where Motors operate in pairs the VSD inverter modules require master-following or other means to maintain synchronism and load sharing;</li> <li>- all VSDs will be water cooled with VSD Supplier providing the heat exchanger for connection of Principals external water circuit.</li> <li>- preference is for VSDs comprising multiple front end modules (either rectifier or Active Front End) onto a common DC bus with multiple inverter modules where one inverter output module powers one motor complete with isolation and earthing facilities.</li> <li>- duty: VSDs for HPGR and HIG mills shall be suitable for constant torque applications. VSDs for Pumps and Fans may be suitable for quadrature quadrant torque applications; and</li> <li>- all VSDs will be complete and factory run tested.</li> </ul> <p>Australian Standards apply to this package 662NSP0027 MV/HV Variable Speed Drives.</p>



**IRON BRIDGE MAGNETITE PROJECT**  
**PACKAGE 662NSP0027 –MV/HV VARIABLE SPEED DRIVES**  
**SCOPE OF WORK**

	The Iron Bridge Magnetite Project, including this package 662NSP0027 MV/HV Variable Speed Drives 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.
<b>Expression of Interest (EOI):</b>	<p>IB Operations invites expressions of interest (<b>EOI</b>) from capable and experienced contractors and suppliers, who are safety focused and price competitive for this package 662NSP0027 MV/HV Variable Speed Drives.</p> <p>Interested parties must register an EOI on the <b>ironbridge.icn.org.au</b>.</p> <p>EOI Registrants are required to provide the following information as part of its EOI:</p> <ul style="list-style-type: none"> <li>a. an ICN Gateway company profile, current in all material respects; and</li> <li>b. completed Preliminary Prequalification Information.</li> </ul> <p>IB Operations will use the EOIs to improve its understanding of market capability and interest. Suitable Registrants may be invited to submit a tender for this package 662NSP0027 MV/HV Variable Speed Drives.</p>
<b>EOI Closing Date:</b>	25 July 2019
<b>Target Award Date:</b>	At the time of publishing this invitation to register an EOI, November 2019.
<b>Project Contact Officer:</b>	<p>All communications in connection with this invitation to register an EOI for this package 662NSP0027 MV/HV Variable Speed Drives including clarification regarding this package 662NSP0027 MV/HV Variable Speed Drives 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>
<b>Project URL's:</b>	Details of additional Iron Bridge Magnetite Project opportunities will be published on the ICN Gateway at <b>ironbridge.icn.org.au</b>
<b>Disclaimer:</b>	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 Supply/Services which may be required on the Iron Bridge Magnetite Project and should be read in conjunction with the Iron Bridge Project Description on the ICN Gateway.