## PACKAGE 751ESC0039 – FIELD INSTRUCTION SYSTEMS SIGNALLING, ASSET PROTECTION AND LEVEL CROSSING SYSTEMS SCOPE OF WORKS

| Project Overview:    | FMG Solomon is developing a new mine and associated infrastructure at its Eliwana Site (Eliwana Project).  |
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|                      | The planned infrastructure includes 143km of rail and a 30mtpa dry ore processing facility, with production commencing in December 2020.   |
| Package Title:       | Field Installation of Wayside Signalling, Asset Protection and Level Crossing Systems.   |
| Reference:           | 751ESC0039   |
| Package Description: | At the time of publishing this invitation to register an interest, the field installation of wayside signalling works includes:  |
|                      | <ul> <li>supply of all required construction and installation personnel, machinery,<br/>plant, vehicles and all necessary tools, consumables and supplies necessary to<br/>complete the field installation;</li> </ul>   |
|                      | completion of the field installations in accordance with the Issued For Construction (IFC) drawings and Australian Standards;  |
|                      | • transportation of the Principals supplied materials such as factory constructed location cases, solar frames, solar panels, batteries, battery boxes, concrete slabs, sun shelters, signalling cables, points indicator, point machines, cable pits, conduits, TJB and trackside surge arrester boxes from the Lay Down Yard to the work locations to carry out the field installation which includes: |
|                      | <ul> <li>installing the factory built and tested location cases for wayside<br/>signalling, asset protection, radio only and level crossing with CCTV<br/>equipment;</li> </ul>  |
|                      | <ul> <li>installing sun shelters, solar arrays, solar panels, battery boxes,<br/>batteries, TJBs, trackside surge arresters including enclosure, point<br/>machines, point indicators and track circuit bonding connections;</li> </ul>  |
|                      | <ul> <li>drilling, trenching and installation of all field signalling cables, pits and<br/>conduits;</li> </ul>  |
|                      | <ul> <li>drilling, trenching and installation of pits and conduits and hauling the<br/>two 12 core fibre optic cable left in the interface backbone fibre pit (by<br/>others) and terminating it to the FOBOT in the location case; the<br/>interface backbone fibre pit shall be located within the vicinity of<br/>100 m from the wayside location cases;</li> </ul>                                   |
|                      | <ul> <li>drilling, trenching and installation of the complete earthing system<br/>including earth rod, earth pit, copper tape or bare copper wire,<br/>earthing compound (GEM or Bentonite), cadweld and earthing<br/>connections;</li> </ul>  |
|                      | <ul> <li>supplying earthing compound (GEM or Bentonite) and cadweld connections;</li> </ul>  |
|                      | <ul> <li>supplying and installing antenna support structure at the wayside<br/>locations as per the design drawings;</li> </ul>  |
|                      | <ul> <li>installing track bonding connections;</li> </ul>  |
|                      | <ul> <li>terminating and carrying out the continuity tests for all trackside<br/>cables;</li> </ul>  |
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## PACKAGE 751ESC0039 – FIELD INSTALLATION OF SIGNALLING, ASSET PROTECTION AND LEVEL CROSSING SYSTEMS SCOPE OF WORKS

|                               | <ul> <li>installation of trackside signage;</li> </ul>  |
|-------------------------------|---|
|                               | <ul> <li>backfilling, compacting, clearing and reinstatement;</li> </ul>  |
|                               | <ul> <li>liaise with Track Works Contractor for the removal of concrete sleeper,</li> </ul>   |
|                               | hand tamp the affected area and clean up after installation of hollow tie DED sleeper;  |
|                               | <ul> <li>supplying and installing the backfill and cracker dust for the installation<br/>works; and</li> </ul>  |
|                               | <ul> <li>installation of derailers electrical interfaces at Train Load Out.</li> </ul>  |
|                               | The Eliwana Project, including this Package 751ESC0039 is subject to internal approvals. The procurement process or scope, may change at FMG Solomon's election, including to accommodate project budget and time requirements.   |
| Expression of Interest (EOI): | FMG Solomon invites expressions of interest ( <b>EOI</b> ) from capable and experienced contractors and suppliers, who are safety focused and price competitive for this Package 751ESC0039.  |
|                               | Interested parties must register an EOI on the ICN Gateway: <a href="http://gateway.icn.org.au/">http://gateway.icn.org.au/</a>   |
|                               | Registrants are required to provide the following information as part of its EOI:   |
|                               | a. an ICN Gateway company profile, current in all material respects; and  |
|                               | b. completed Preliminary Prequalification Information.  |
|                               | FMG Solomon will use the EOIs to improve its understanding of market capability and interest.   |
|                               | Suitable Registrants will be invited to submit a tender for this Package 751ESC0006.  |
| EOI Closing Date:             | 3 May 2019  |
| Target Award Date:            | At the time of publishing this invitation to register an interest, July 2019  |
| Project Contact Officer:      | All communications in connection with this invitation to register an EOI for this Package 751ESC0039, including clarification regarding this Package 751ESC0039 or request for technical support in connection with the EOI or ICN Gateway, must be submitted to:   |
|                               | Linus O'Brien, Principal Supply Chain Consultant  |
|                               | Industry Capability Network of Western Australia  |
|                               | T: (08) 9365 7556   |
|                               | E: Linus.OBrien@icnwa.org.au  |
| Project URL's:                | Details of additional Eliwana Project opportunities will be published on the ICN Gateway at <b>FMGSOLOMON.icn.org.au</b>  |
| Disclaimer:                   | The information contained in this invitation to register an EOI is indicative only and subject to change, at FMG Solomon's discretion. It is intended to provide a brief outline of the relevant Supply which may be required on the Eliwana Project and should be read in conjunction with the Eliwana Project Description in the ICN Gateway. |