

<b>Package Number</b>	IN-LG-0163B
<b>Package Name</b>	Level Gauges
<b>Scope of Work (* To be confirmed)</b>	<p>Scope of supply includes Magnetic and Transparent type Level Gauges for Topside.</p> <p>Below technical requirements apply to the scope.</p> <p>1.1 All materials shall be new and shall conform in appearance and quality to Industry Standards, applicable Codes and Standards and recommended practice.</p> <p>1.2 The Gauges shall be designed as per ASME B16.5, API RP 551, NACE MR-0175 and other applicable project requirements.</p> <p><b>Requirements for Magnetic Level Gauges:</b></p> <p>1.3 The Magnetic level gauge shall consist of a non-magnetic liquid chamber enclosing a float, which is magnetically coupled to a rotary wafer-type indicator.</p> <p>1.4 Indicator shall be with bar graph type with two distinct coloured wafers, red for level and white if no level. The wafers shall resist accidental rotation due to vibration.</p> <p>1.5 The indicator shall, as a minimum, cover the Centre to Centre (C-C) distance as specified in the datasheet.</p> <p>1.6 The chamber, float and other wetted parts material shall be as per datasheet. The magnetic float travel within the gauge body shall be smooth and continuous by proper guidance of the magnetic float.</p> <p>1.7 The magnetic float material and design shall be based on the process parameters like pressure, temperature, fluid density etc.</p> <p><b>Requirements for Transparent Level gauges:</b></p> <p>1.8 The Transparent Gauge has glass panels both in front of, and behind, the measuring chamber with respect to the observer who is reading the gauge. Accordingly, the liquid level indication is illuminated by light coming from behind. This configuration is useful to allow visual inspection of the liquid for colour and presence of particles in addition to indicating the level.</p> <p>1.9 Because of the process fluid viewing capability, transparent gauges can be used in applications that require the indication of the interface between two liquids.</p> <p>1.10 Mica shield shall be provided throughout the length of the gauge glass to protect the glass from corrosive media or steam, or high temperature service above 200°C.</p> <p>1.11 The Transparent Gauge shall be provided with wedge-type gauge illuminators giving an evenly diffused light over the entire length of the glass. Illuminators shall meet the requirements of section <b>Error! Reference source not found.</b></p> <p>1.12 Illuminators head housing shall be of SS316 material.</p> <p><b>Other requirements:</b></p> <p>1.13 The SUPPLIER shall provide documentation in accordance with the SUPPLIER Data Requirements Listing (SDRL) after issuing of Purchase Order.</p> <p>1.14 All drawings and documents prepared by SUPPLIER shall be checked and duly signed before submission.</p> <p>1.15 The use of asbestos is prohibited.</p>

	<p>1.16 Pressure/temperature ratings shall meet ASME B16.34 requirements.</p> <p>1.17 Positive Material Identification (PMI) to be done as per project specification.</p> <p>1.18 All materials shall be supplied with material certificates conforming to EN 10204, Type 3.1.</p> <p>1.19 Packing and preservation shall be provided as per project requirement.</p> <p>Total Qty (Estimated for Topside): Magnetic Level Gauges: 75 units Transparent Level Gauges: 5 units</p> <p>Flange ratings range from 300# to 900#.</p> <p>Estimated contract award: Q2 2022 * Estimated delivery: Q4 2022 FCA factory *</p>
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### Project Registration

Santos is committed to ensuring Australian Industry the opportunity to participate in the Barossa Project. Expressions of Interest are invited from contractors and suppliers with the relevant capability and capacity to undertake the scope of work.

This is a request for specific expressions of interest. Contractors and suppliers will be considered for prequalification and tender if suitably qualified against this package.

**Note** that an important part of the project registration process is to register an Expression of Interest at the correct Scope level.

Scope level definition:

**Full scope:** Able to produce / supply all the package.

**Partial scope:** Able to produce / supply one or more of the sub-packages.

All registrations are to be completed via ICN Gateway [BarossaOffshore.icn.org.au](http://BarossaOffshore.icn.org.au). Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 [or\\_resources@icnnt.org.au](mailto:or_resources@icnnt.org.au).

Project Website: [Santos Australia](http://Santos Australia)