

<b>Package Number</b>	04
<b>Package Name</b>	MOORING CONNECTORS
<b>Scope of Work (* To be confirmed)</b>	<p>The STP™ system shall provide a safe mooring of the FPSO as well as providing unrestricted 360° weather–vaning capability.</p> <p>The Mooring system comprises 15 mooring lines grouped into 3 clusters, where each cluster consists of 5 mooring lines. Each mooring line consists of chain segments towards the anchor and two wire rope segments towards the STP Buoy divided by a mooring line buoyancy element (MLBE).</p> <p>Each mooring line is connected to the lower turret section at a double lug integrated with the turret internal structure. The mooring connection assembly consists of two main components; long-link towards the mooring line and short-link towards the turret. Both long and short links are twisted, i.e. the link-pin in each end of the link is perpendicular to the opposite end, hence, each link allows for two degrees of freedom (pivoting about two axes). In addition, each pinned connection is equipped with low-friction, self-lubricating bearings to accommodate or removing any out-of-plane bending effects of the mooring line connections</p> <p>All Connectors to be certified by DNV for LTM (Long-Term Mooring). Design Lifetime is 25 years.</p> <p>The materials used for manufacturing the Links and pins shall be made by forging. The Vendor shall be approved by DNV and accepted by APL.</p> <p>All materials, manufacturing and approval testing shall be strictly in compliance with the requirements of DNV Guide for Long Term Mooring.</p> <p>The mooring connectors shall be surface protected according to APL System 1A.</p> <p>APL Coating System 1A is intended for submerged structure where long life time is needed, and where antifouling is wanted as e.g. STP Buoy intended for fixed position in FPSO, and consists of:</p> <ol style="list-style-type: none"> <li>1. Abrasive blast cleaning to Sa 2,5, ref. ISO 8501-1</li> <li>2. Interzone 954 (White), epoxy intermediate coat, : 200 microns</li> <li>3. Interzone 954 (White), epoxy intermediate coat, : 200 microns</li> <li>4. Intershield 300 (Bronze), epoxy, intermediate coat : 100 microns</li> <li>5. Intersleek 737 (Grey), silicone elastomer tie coat : 100 microns</li> <li>6. Intersleek 1100SR (Yellow), Fluoropolymer finish coat : 150 microns</li> </ol> <p style="text-align: right;">Total coating thickness : 750 microns</p>

	<p>The Links shall be shot blasted after proof loading and prior to final NDT. Shot blasting shall be in accordance with ISO 8501-1, 2007, Grade SA 2,5.</p> <p>All sharp edges shall be rounded to a minimum radius of 2mm before sandblasting and coating.</p> <p>The pinholes shall not be sandblasted or coated.</p> <p><u>Quantity:</u> 15 ea</p> <p><u>Schedule:</u> Estimated package Sub-Contract Award      Q1 2022 Estimated Package Delivery Time:              8 months FCA factory</p>

**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.

Scope level definition:

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

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:resources@icnnt.org.au).

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