

<b>Package Number</b>	01																												
<b>Package Name</b>	MOORING CHAIN																												
<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. The STP mooring system shall be designed to be connected to the vessel in a 100-year return period storm, intact mooring and single line failure as per CLASS and designed to be connected to the vessel in a 10,000-year return period storm as a redundancy check with safety factor 1.0.</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). Horizontal distance from anchor pad eye to STP Buoy turret lug is 1205 m.</p> <p style="text-align: center;"><b>Mooring Chain Characteristics</b></p> <table border="1" data-bbox="268 891 1449 1151"> <thead> <tr> <th>Item</th> <th>Parameter</th> <th>Unit</th> <th>Property</th> </tr> </thead> <tbody> <tr> <td rowspan="7">Chain</td> <td>Quality</td> <td></td> <td>R3 Studless</td> </tr> <tr> <td>Nominal rod diameter</td> <td>mm</td> <td>157</td> </tr> <tr> <td>Nominal unit mass</td> <td>kg/m</td> <td>493</td> </tr> <tr> <td>Nominal submerged weight</td> <td>kN/m</td> <td>4.2</td> </tr> <tr> <td>Nominal axial stiffness</td> <td>MN</td> <td>1 903</td> </tr> <tr> <td>MBL new</td> <td>kN</td> <td>17 282</td> </tr> <tr> <td>MBL at end of design life</td> <td>kN</td> <td>15 150</td> </tr> </tbody> </table> <p>All chain and accessories to be certified by DNV for LTM (Long-Term Mooring). Design Lifetime is 25 years.</p> <p><b>MOORING CHAIN</b></p> <ul style="list-style-type: none"> <li>• 15 off 50 m of 157 mm R3 studless chain with enlarged link and end link at both ends, and common links the rest</li> <li>• 15 off 380m of 157 mm R3 studless chain with enlarged link and end link at one end, and common links the rest</li> <li>• 15 off 365 m of 157 mm R3 studless chain with enlarged link and end link at both ends, and common links the rest</li> </ul> <p><u>Schedule:</u>            Estimated Package Sub-Contract Award: Q2 2022            Estimated Package Delivery Time: 12 months FCA factory</p>			Item	Parameter	Unit	Property	Chain	Quality		R3 Studless	Nominal rod diameter	mm	157	Nominal unit mass	kg/m	493	Nominal submerged weight	kN/m	4.2	Nominal axial stiffness	MN	1 903	MBL new	kN	17 282	MBL at end of design life	kN	15 150
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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.

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)