

Package Number	02																												
Package Name	MOORING WIRE																												
Scope of Work (* To be confirmed)	<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;">Mooring Wire Characteristics</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">Wire Rope</td> <td>Quality</td> <td></td> <td>Spiral Strand, Sheathed</td> </tr> <tr> <td>Nominal steel outer diameter</td> <td>mm</td> <td>123</td> </tr> <tr> <td>Sheath Thickness</td> <td>mm</td> <td>9</td> </tr> <tr> <td>Nominal unit mass</td> <td>kg/m</td> <td>77.1</td> </tr> <tr> <td>Nominal submerged weight</td> <td>kN/m</td> <td>0.6</td> </tr> <tr> <td>Nominal axial stiffness</td> <td>MN</td> <td>1 389</td> </tr> <tr> <td>MBL</td> <td>kN</td> <td>15 708</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><u>Steel Wire Ropes:</u></p> <ul style="list-style-type: none"> • 15 off 270 m of spiral strand wire rope with MBL 15237 kN. Rope shall have sheathing with total sheathing thickness of minimum 9 mm. Open socket at each end. • 15 off 200 m of spiral strand wire rope with MBL 15237 kN. Rope shall have sheathing with total sheathing thickness of minimum 9 mm. Open socket at each end. • Transport reels certified for offshore handling with 10T back-tension incl. certified spreader bar <p>Supplier to provide number of storage reels, and estimated size of reels and associated lifting weight complete with steel wire rope.</p> <p><u>Schedule:</u> Estimated Package Sub-Contract Award: Q2 2022 Estimated Package Delivery Time: 12 months FCA factory</p>			Item	Parameter	Unit	Property	Wire Rope	Quality		Spiral Strand, Sheathed	Nominal steel outer diameter	mm	123	Sheath Thickness	mm	9	Nominal unit mass	kg/m	77.1	Nominal submerged weight	kN/m	0.6	Nominal axial stiffness	MN	1 389	MBL	kN	15 708
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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. Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 or resources@icnnt.org.au.

Project Website: Santos Australia