



Barossa Offshore Project



Package No:	0482-MI20-34PO-4205
Package Name:	Seawater Lift Hose and Handling System
Scope of Work	<p>The seawater for the water injection shall be lifted from at least 75 meters below the ship's base line using suction hoses. Seawater lift hoses shall be installed on the starboard side shell within reach of deck crane of the FPSO. The seawater lift hose system shall be designed with a full detailed global static, dynamic and localized analysis using either Flexcom-3D, Flexan-F, Orcaflex or Flex Riser. Due to the depths at which seawater shall be taken, it will be necessary for the hose to withstand drag forces and bending moments.</p> <p>The Supplier shall design the seawater lift hose string to operate under the following conditions:</p> <ul style="list-style-type: none">• Min. length of hose: approx. 75 mtr• Required flow rate for each seawater lift pump: 8,000 m³/h• Quantity of hose strings: 5 hoses• Allowable pressure drop within hose string: less than 0.2 bar• Max. inlet flow velocity (Hose Supplier to advise): 3.0 m/s• Caisson ID: approx. 1700mm• Hose size (Hose Supplier to advise): approx. 34 inches ID <p>Each seawater lift hose string shall consist of the following components but not limited to:</p> <ol style="list-style-type: none">1) Caisson interface (Integral Riser Seat and Riser Seat Blind Flange)2) Riser head3) Flexible hose sections4) Suction strainer (Super Duplex)5) Dual hypochlorite line c/w interface assemblies and jumper hoses6) Stud bolts c/w full nuts & lock nuts7) Backing quadrants8) Cathodic protection9) Stowage / Shipping hose rack <p>Supplier shall supply lifting / handling tools for assembly and installation of hose strings. These tools shall also be used for retrieval and disassembly of the hose for maintenance.</p> <p>Contract Award Q2 2020; Delivery Q4 2022 all units</p>

Project Registration

ConocoPhillips is committed to ensuring Australian Industry full, fair and reasonable opportunity to participate in the Barossa Offshore 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 the entire 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. Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 or admin@icnnt.org.au.

Project Website: ConocoPhillips Australia