



Barossa Offshore Project



Package No: 0482-MI20-34PO-7130

Package Name: **Offloading Hose**

Scope of Work

The offloading hose is the primary means of condensate offloading from the stern of the FPSO to the midship manifold of a standard Aframax offloading tanker.

One offloading hose string of 16 inch diameter with minimum length of 310 meters, working pressure of 300 psi (21 bar), end fittings flanged according to ANSI B16.5 Class 300 shall be furnished and installed in accordance with the OCIMF guidelines as given in the Guide to Manufacturing and Purchasing Hoses for Offshore Moorings, (GMPHOM).

The hose string shall be constructed with reinforced rubber, polyurethane elastomer covered, double carcass hose with steel cable layers and steel rings (for high fatigue resistance) and with nipple-less flanges.

The hose string shall be suitable for the installation and long-term storage on a hose reel of suitable diameter in maximum of two layers.

An Inboard Hose Termination Piece (IHTP) shall function as the last piece on the hose on the reel end. IHTP will be provided with a Quick Release Flange (QRF).

The electrical continuity of the hose string shall be according to OCIMF guidelines and the requirements from the Classification Society.

The Supplier shall design the hose string to operate under the following conditions:

Offloading Hose Design Conditions

Item	Data
Ambient Air Temperatures:	21°C to 35°C in open areas
Humidity:	Up to 100% Relative Humidity
Atmosphere:	Salt laden, Marine Offshore Environment
Sea water Temperature	Min 25°C, Max 31°C
Wind speed	39.99 m/s (max)
Significant Wave Height	3.05 m at One (1) year Return Period
Offloading rate	4500 m3/hr., Offloading time is 24 hours

Export Oil Characteristics

Condensate Property	Design Values
API	50.56
Condensate Density	0.7578 to 0.7816
Condensate Viscosity	0.7567 to 1.3594 cP
Wax Appearance temperature (WAT)	33.7 to 38 °C
Wax Content (nC19+)	3.68 wt.%
Pour Point	-6°C

	Contract Award Q3 2020; Delivery Q2 2021 all units
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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