



Barossa Offshore Project



Package No:

0482-MI20-94PO-9970-01

Package Name:

SHELL AND TUBE HEAT EXCHANGERS

Scope of Work

The Shell and Tube Heat Exchangers Package scope comprises:

- Provide engineering, procurement and fabrication services for shell and tube heat exchangers:
The shell and tube exchangers will be installed in various services. The duty per exchanger service ranges from 200 kW to about 60 MW (accomplished in multiple shells). The different pressure classifications in which these exchangers will be installed range from ASME Class 150 to ASME Class 600 on the tube side and from ASME Class 150 to ASME Class 300 on the shell side.
- All heat exchangers are to be provided with 10% excess surface area.
- These exchangers will be installed on a floating production storage and offloading (FPSO) vessel. Thus, offshore experience is recommended.
- Chemical cleaning connections shall be provided at all sides of the exchangers.
- The general material of construction for shell & channels is carbon steel; and for tubes/tube sheet is CRA (Corrosion Resistant Alloy).
- Fabrication and hydro testing of each unit.
- External painting of each unit.
- Supply of long term preservation for each exchanger.
- Preparation for shipment for each exchanger.
- Adherence to API 660, TEMA, ASME Sec VIII Div 1 and B16.5 at a minimum.
- Applicable local codes.
- Submittal of relevant documentation (data sheet, drawings, code calculations, operating manual, etc.) for operation and maintenance of each unit.

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 all of the 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