

Package No:

0482-MI20-94PO-9975

Package Name:

ELECTRIC HEATERS

Scope of Work

The electric heaters are components of the Fuel Gas System which is part of the Utility Systems of the FPSO. There are three (3) units of electric heaters under this package. Materials of construction, capacity, design condition and estimated size of each unit are as per the list below.

ELECTRIC HEATERS											
SN	TAG NO.	NAME / DESCRIPTION	CAPACITY (MAXIMUM OF EACH PHASE)			DESIGN		DUTY	DIMENSION		MATERIALS
			GAS	OIL / COND.	WATER	Pressure	Temp.		Length / Tan-Tan	ID	
			MMscfd	bb/day @ std cond.	bb/day @ std cond.	barg	deg C		mm	mm	
1	HAP-3105	START-UP FUEL GAS HEATER (ELECTRIC)	30.0	0	0	198.0 & F.V.	100.0	1630.9	5100.0	460	Shell: CS + 3mm CA Elements: Alloy 800
2	HAP-3125	FUEL GAS ELECTRIC SUPERHEATER	20.0	0	0	80.0 & F.V.	100.0	326.4	2,360	430	Shell: CS + 3mm CA Elements: Alloy 800
3	HAP-3150	BOILER FUEL GAS SUPERHEATER (ELECTRIC)	10.3	0	0	10.0 & F.V.	100.0	324.3	2,360	430	Shell: CS + 3mm CA Elements: Alloy 800

The Supplier scope shall include at least the services, but not limited to, and scope of work detailed below.

1. Project Management, Engineering, Design, Fabrication, Inspection, Testing, Supply & Delivery of Electric Heaters in accordance with datasheets and applicable specifications.
2. Three (3) units of ATEX certified II 2 G Ex'e' Gas Group II Electric Heaters each wired in single stage comprising of heater bundle including 10% spare electric elements installed in pressure vessels with thick wall seamless Incoloy 800 Elements. The electric heaters shall be suitable for use in hazardous area, Zone 2, Gas Group II, T3 area.
3. Supplier shall provide control system including all the instrumentations, control panel, HMI etc. Signals for the electric heaters shall have provision to interface with facility ICSS in accordance with project design philosophy.
4. Inspection and Testing in accordance with MODEC approved Inspection and Test Requirements and completion of MODEC supplied ITR's.
5. Supplier Data in accordance with the company approved Supplier document requirement list and SDRL specifications.
6. External & Internal Surface Preparation & Painting / Coating of equipment as per Datasheets / Specifications.
7. Preparation and obtaining approval of Lifting Analysis / Load out procedure / Tie down arrangement / Transportation analysis etc.
8. Spare Parts for Commissioning and Start-up
 - Bolts/nuts and gaskets for blinded nozzles
9. Supplier shall preserve and prepare the package for shipment and preservation in accordance with manufacturer's recommendations for a minimum of (12) month's outdoor storage.
10. Thermal Performance Guarantee
11. Mechanical Guarantee

Equipment shall be designed to TEMA Class R and ASME Sec VIII Division 1 and shall be ASME stamped (U) and registered with the National Board of Boiler and Pressure Vessel Inspectors, unless otherwise specified.

All equipment supplied shall be designed for twenty-five (25) years continuous service life on site.

- Contract Award Q3 2020; Delivery Q3 2021 all units

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