MODEC

Barossa Offshore Project

ConocoPhillips

Package No:	0482-MI20-94PO-9966
Package Name:	**FILTERS AND COALESCERS**
Scope of Work	The Filters and Coalescers of this package are components of the following systems of the FPSO: • Gas Mercury Removal System • CO2 Removal System and Permeate Compression System • Condensate Separation System • MEG Separation System • Fuel Gas System • Heating Medium System • Cooling Medium System • Steam Boiler System There are twenty-two (22) units of Filters and Coalescers under this package. Materials of construction, capacity, design condition and estimated size of each unit are as per the list below.

FILTERS AND COALESCERS

SN	TAG NO.	NAME / DESCRIPTION	CAPACITY (MAXIMUM OF EACH PHASE)			DESIGN		DIMENSION		MATERIALS
			GAS	OIL / CONDENSATE	WATER	Pressure	Temp.	ID	Height	
			MMscfd	bbl/day @ std cond.	bbl/day @ std cond.	barg	deg C	mm	mm	
1	MAJ–2911-A	GAS MRU FILTER COALESCER	441.4	42	68	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
2	MAJ–2911-B	GAS MRU FILTER COALESCER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
3	MAJ–2911-C	GAS MRU FILTER COALESCER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
4	MAJ–2911-D	GAS MRU FILTER COALESCER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
5	MAJ-2915-A	GAS MRU AFTER-FILTER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
6	MAJ-2915-B	GAS MRU AFTER-FILTER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
7	MAJ-2915-C	GAS MRU AFTER-FILTER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
8	MAJ-2915-D	GAS MRU AFTER-FILTER	441.4	42.0	68.3	105.0 & F.V.	150.0	1,500	6,000	Body: CS + 316L Cladding Internals: 316SS
9	MAJ-2751-A	CO2 MEMBRANE FILTER COALESCER	448.4	0	0	80.0 & F.V.	80.0	3,050	4,570	Body: CS + 3mm CA Internals: 316SS
10	MAJ-2751-B	CO2 MEMBRANE FILTER COALESCER	448.4	0.0	0.0	80.0 & F.V.	80.0	3,050	4,570	Body: CS + 3mm CA Internals: 316SS
11	MAJ-2751-C	CO2 MEMBRANE FILTER COALESCER	448.4	0.0	0.0	80.0 & F.V.	80.0	3,050	4,570	Body: CS + 3mm CA Internals: 316SS
12	MAJ-2751-D	CO2 MEMBRANE FILTER COALESCER	448.4	0.0	0.0	80.0 & F.V.	80.0	3,050	4,570	Body: CS + 3mm CA Internals: 316SS
13	MAJ-1140-A	CONDENSATE COALESCER PRE-FILTER	0.0	10,284	110	40.0 & F.V.	90.0	1,200	5,000	Body: CS + Inconel 825 Clad Internals: Duplex SS
14	MAJ-1140-B	CONDENSATE COALESCER PRE-FILTER	0.0	10,284	110	40.0 & F.V.	90.0	1,200	5,000	Body: CS + Inconel 825 Clad Internals: Duplex SS
15	MAJ-1164-A	MEG/LIQUIDS COALESCER PRE-FILTER	0.0	10,141	109	18.0 & F.V.	80	1,200	6,000	Body: CS + 316L Cladding Internals: 316LSS
16	MAJ-1164-B	MEG/LIQUIDS COALESCER PRE-FILTER	0	10,141	109	18.0 & F.V.	80	1,200	6,000	Body: CS + 316L Cladding Internals: 316LSS
17	MAJ-3616	COOLING MEDIUM FILTER	0.0	0	98,521	18.0 & F.V.	90.0	810	2,740	Body: CS + 3mm CA Internals: 316LSS
18	MAJ-3121-A	FUEL GAS FILTER	20.0	0	0	80.0 & F.V.	100.0	380	3,500	Body: 316LSS Internals: 316LSS
19	MAJ-3121-B	FUEL GAS FILTER	20.0	0	0	80.0 & F.V.	100.0	380	3,500	Body: 316LSS Internals: 316LSS
20	MAJ-3516	HEATING MEDIUM FILTER	0.0	0	3,112.1	41.0 & F.V.	250.0	200	2,540	Body: CS + 3mm CA Internals: 316LSS
21	MAJ-4005-A	BOILER DIESEL FILTER	0.0	17.2 m3/hr	0	11.0 & F.V.	65.0	406	3,213	Body: 316LSS Internals: 316LSS
22	MAJ-4005-B	BOILER DIESEL FILTER	0.0	17.2 m3/hr	0	11.0 & F.V.	65.0	406	3,213	Body: 316LSS Internals: 316LSS

	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 Filters and Coalescers in accordance with datasheets and applicable specifications. 2. Supply and installation of filter elements. However, MODEC may request that the filter elements (first charge) will be shipped loose. 3. Inspection and Testing in accordance with MODEC approved Inspection and Test Requirements and completion of MODEC supplied ITR's. 4. Supplier Data in accordance with the company approved Supplier document requirement list and SDRL specifications. 5. External & Internal Surface Preparation & Painting / Coating of equipment as per Datasheets / Specifications. 6. Preparation and obtaining approval of Lifting Analysis / Load out procedure / Tie down arrangement / Transportation analysis etc. 7. Spare Parts for Commissioning and Start-up - Bolts/nuts and gaskets for blinded nozzles - One charge (set) of filter elements 8. 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. 9. Process Guarantee 10. Mechanical Guarantee Equipment shall be designed to 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 Q2 2020; Q3 Delivery 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