

<b>Package Number</b>	EL-EF-0354
<b>Package Name</b>	Filters (Misc.) - Cartridge Type
<b>Scope of Work (* To be confirmed)</b>	<p>Scope of Work for Filters (Misc.) - Cartridge Type, including</p> <ul style="list-style-type: none"> <li>• Scope shall include Mechanical design, documentation, materials, fabrication, inspection, testing, surface preparation and painting, preparation for shipment, supply and performance of Filters – Cartridge Type.</li> <li>• Pressure classifications range from 150# to 600# rating as per ASME B16.5.</li> <li>• Mechanical Designs shall be carried out preferably with latest PV Elite Software with mechanical design and workmanship guarantee.</li> <li>• Filters shall be designed in accordance with ASME Sec VIII Div. 1 (Latest), applicable Project Specifications and local Codes.</li> <li>• All Pressure vessels shall be ASME Code U-Stamped.</li> <li>• Filters to be installed on a floating production storage and offloading (FPSO) vessel. Thus, offshore experience is preferred.</li> <li>• Material of construction for Filters is Carbon Steel, Carbon steel clad with Alloy 625 and Stainless Steel.</li> <li>• Filter elements shall have long life and easily maintainable.</li> <li>• Filter housing shall be provided with quick opening cover with suitable bolting and davit arrangement.</li> <li>• Maintenance envelope shall be indicated including tools and tackles required for maintenance.</li> <li>• Fabrication and hydro testing of each equipment.</li> <li>• External Surface preparation and painting as required.</li> <li>• Long term preservation and Preparation for shipment for each equipment.</li> <li>• Submission of relevant documentation (data sheets, drawings, code calculations, MDRs, operating manual, etc.) for operation and maintenance of each unit.</li> </ul> <p>Contract Award Q4 2021*; Delivery Q2 2022*</p>

Tag No	Service / Description	Sparing %	Equipment Type (as per 4119)	Capacity	Size	Design Pressure barg	Design Temperature °C	Prelim material selection (*)
20-CB-1320 A	CONDENSATE COALESCER PRE FILTER A	100	Non-Regenerative Filter	33 m3/hr	0.65 m ID x 1.5 m TL	FV/30	-29/110	solid 22 Cr Duplex SS (BODY), DUPLEX SS (INTERNAL)
20-CB-1320 B	CONDENSATE COALESCER PRE FILTER B	100	Non-Regenerative Filter	33 m3/hr	0.65 m ID x 1.5 m TL	FV/30	-29/110	solid 22 Cr Duplex SS (BODY), DUPLEX SS (INTERNAL)
46-CB-5512 A	LEAN METHANOL FILTER A	100	Non-Regenerative Filter	5 m3/h	0.2 m ID x 0.8 m TL	FV/10	-29/90	SS316L
46-CB-5512 B	LEAN METHANOL FILTER B	100	Non-Regenerative Filter	5 m3/h	0.2 m ID x 0.8 m TL	FV/10	-29/90	SS316L
40-CB-7001	COOLING MEDIUM FILTER	100	Non-Regenerative Filter	569 m3/hr	1.5 (ID) m x 2.5 (H)	FV/18	-29/ 90	CARBON STEEL
41-CB-7101	HEATING MEDIUM FILTER	100	Non-Regenerative Filter	26 m3/hr	0.25 m ID x 1 m TL	FV/41	-29/232	CARBON STEEL+ 3mm C.A. (BODY)/ 22 Cr Duplex SS INTERNALS
45-CB-6940 A	FUEL GAS FILTER A	100	Non-Regenerative Filter	Approx. 32 MMSCFD	0.4 m ID x 1.8 m TL	FV/60	-46/ 90	SS 316L
45-CB-6940 B	FUEL GAS FILTER B	100	Non-Regenerative Filter	Approx. 32 MMSCFD	0.4 m ID x 1.8 m TL	FV/60	-46/ 90	SS 316L

(\* Material selection shall need to be finalised pending detailed corrosion assessment

### Project Registration

Santos is committed to ensuring Australian Industry the opportunity to participate in the Barossa 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 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](http://BarossaOffshore.icn.org.au). Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 or [resources@icnnt.org.au](mailto:resources@icnnt.org.au).

Project Website: [Santos Australia](http://Santos Australia)