

Package Number	MAN-CGC-01
Package Name	Unit Control Panel
Scope of Work (* To be confirmed)	<p>Note: BW Offshore is issuing and managing this Package Summary on behalf of MAN Energy Solutions Schweiz AG (MAN), our sub-contractor for Centrifugal Gas Compressor Package.</p> <p>Scope of supply for this UCP package:</p> <p>Eight (8) off Unit Control Panel, each consisting of:</p> <p>Remote Unit Control Panel Location: non-hazardous area, air conditioned room (15-30°C, 10-65% rH) Manufacturer: Rittal or equivalent standard panel Material: 1.5mm carbon steel (doors 2mm) Color: RAL 7035 Appr. size: 2100x3200x800 mm (HxWxD), 4 bays, incl. 100mm plinth Doors: front and rear access Cabel entry: bottom</p> <p>Containing:</p> <ul style="list-style-type: none"> • Panel internal power supply / distribution • Bently Nevada 3500 monitors for vibration, axial displacement without bearing temperature monitoring (Redundant power supply and communication) <ul style="list-style-type: none"> - TDI Module for connection to system one will be offered as option • Safety barriers (external) for Bently Nevada 3500 monitors • Sequencing system consisting of: • SIEMENS SIMATIC PLC PCS7 for: <ul style="list-style-type: none"> - Safety critical PLC: Siemens S7-400HF version (SIL 3 rated), not safety critical PLC: Siemens S7-400H, redundant CPUs, power supply and communication module and simplex non safety I/O modules and duplex safety I/O modules - Sequencing System - trip logic - One redundant Modbus TCP link to purchasers DCS <ul style="list-style-type: none"> • One compressor control system per train, CCC Prodigy, duplex CPU and power supply, redundant communication interface for Modbus TCP, duplex I/Os, consisting of: <ul style="list-style-type: none"> - compressor ant sururge controller - compressor performance controller - compressor loadsharing - train view system - Configuration and commissioning <ul style="list-style-type: none"> • Safety barriers for PLC in-/outputs, galvanically isolated type • OS Client :Panel internal visualisation system (HMI), rack IPC, 22" colour monitor with keyboard including one Siemens WinCC Client runtime software licence. • Network switches • One panel mounted emergency stop push button (SIL 1 rated) <p>Expected award date: Q4 2021 * Expected delivery date: Q3 2022 *</p>

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. 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