

Scope of Work for ICN Gateway Scarborough Floating Production Unit

Package Name	Submersible Pumps (Bilge, Ballast, Seawater Lift, Service Water)						
Package Number	SA5530RM1500001						
Scope of Supply	<p>The following electric-submersible pumps (end-suction centrifugal) shall be mounted on top and suspended inside of caissons (~55 m length) that are installed on or in the FPU hull, and equipped with line shaft, flanges, and other accessories (i.e. motors, instrument, electrical, and connections) as required to form a complete and functional unit:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Equipment Description (Count)</th> </tr> </thead> <tbody> <tr> <td>Ballast Pumps (4 off)</td> </tr> <tr> <td>Bilge Pumps (4 off)</td> </tr> <tr> <td>Service Water Pumps (2 off)</td> </tr> <tr> <td>Seawater Lift Pumps (3 off)</td> </tr> <tr> <td> </td> </tr> </tbody> </table>	Equipment Description (Count)	Ballast Pumps (4 off)	Bilge Pumps (4 off)	Service Water Pumps (2 off)	Seawater Lift Pumps (3 off)	
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Ballast Pumps (4 off)							
Bilge Pumps (4 off)							
Service Water Pumps (2 off)							
Seawater Lift Pumps (3 off)							
	<p>Other requirements:</p> <ul style="list-style-type: none"> CLASS certification with DNV is required. SUPPLIER shall provide one set of special tools required for the erection and/or maintenance (e.g., pipe clamps, lifting tools, temporary supports, etc.) for handling during installation and removal. SUPPLIER furnished Transportation Mechanical design of equipment for process condition, wind load, blast load, FPU accelerations All required heat treatments, NDE's, PMI Equipment hydro-test, draining and drying after hydro-test Mechanical guarantee Proof load test of lifting lugs Weight control throughout the design and fabrication 						
Specifications and Standards:	<p>[1] API-686 Machinery Installation and Installation Design, 1996 [2] ASME B31.3 Process Piping, 2016 [3] ASME B16.5 Pipe Flanges and Flanged Fittings, 2017 [4] ASME B16.25 Butt welding Ends, 2017 [5] ASME B16.34 Valves - Flanged, Threaded, and Welding End, 2017 [6] DNVGL-OS-D101 Marine and Machinery Systems and Equipment [7] DNVGL-OS-B101 Metallic Materials [8] DNVGL-RU-SHIP-Pt4 Ch.7 Pressure Equipment [9] ISO 9614-1 Acoustics - Determination of Sound Power Levels of Noise Sources Using Sound Intensity - Measurement at Discrete Points, 2009 [10] ISO 9614-2 Acoustics - Determination of Sound Power Levels of Noise Sources Using Sound Intensity, 1997 [11] IOGP S-563 International Association of Oil & Gas Producers — Piping Material Specification [12] NORSOK M-630 Material data sheets and element data sheets for piping, 2014 [13] NORSOK R-002 Lifting Equipment [14] NOPSEMA National Offshore Petroleum Safety and Environmental Management Authority [15] No. 137 Work Health and Safety Act 2011, 2011 [16] No. 84 Safe Work Australia Act 2008 Commission for Occupational Safety and Health Codes of Practice, 2009 [17] API-610 Centrifugal pumps in the petroleum, petrochemical, and natural gas industries, (10th Edition). [18] DNVGL-CP-0337 General description of services for certification of materials and components [19] EN 10204 Metallic Products – Types of Inspection Documents</p>						

Minimum Scope of Work Requirements:	<ol style="list-style-type: none"> 1. Engineering Detailed Design and Procurement of Materials and Equipment. 2. Fabrication 3. Inspection & Testing 4. Documentation 5. Packing & Preservation Package 6. Proven Design 7. Offshore application 8. Low/ Unmanned
Contact:	<p>Industry Capability Network Western Australia (+61 8) 9365 7623 Name: Carla Peyton / Linus O'Brian Phone No.: T: (08) 9365 7543 / M: 0428 403 072 / (08) 9365 7556 E-mail: Carla.Peyton@icnwa.org.au / Linus.OBrien@icnwa.org.au</p> <p>Please Note:</p> <ul style="list-style-type: none"> ▪ This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and / or tender if suitably qualified. For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia.
URL	For more information about McDermott , please refer to the McDermott website https://www.mcdermott.com/
Closing Date:	5-Oct-2021