

# Santos

## Dorado Development Project

<b>Project</b>	Dorado Development Project
<b>Package Title</b>	Fire Water Pumps Package
<b>Reference Number</b>	<b>0D200-SEM-R-72-SA-000001-001</b>
<b>Package Description</b>	<p>The Dorado Project is a greenfield oil development located offshore WA approximately 150km northwest of Port Hedland comprising of a Floating Production Storage and Offloading vessel (FPSO), Wellhead platform (WHP) and various subsea (SURF) equipment.</p> <p>The FPSO shall be equipped with Fire water pump system.</p> <p><b><u>Scope of Work:</u></b></p> <p>The firewater system is designed to take suction from sea thru caisson and discharge it to the firewater ring main. It is dimensioned to provide cooling water for the package itself in addition to the net firewater duty. The complete system consists of a hydraulically driven lift pump and a diesel direct driven booster pump.</p> <p>The package will be housed in an A-60 rated container, with the size optimized by Vendor as per available space. Vendor shall advise the maximum blast load value the container will be able to handle, in addition to the motions and accelerations the package will be subjected to.</p> <p>The package shall be installed above the main deck of the FPSO, abt. 12.2m above water level in full load/abt. 21.0m above water level in ballast condition.</p> <p>Each pump package shall be able to deliver 3,300 m<sup>3</sup>/h of sea water (excl. cooling demand) at a head of 150 m.</p> <p>Scope of supply refer to below table:</p> <p>Vendor shall design, fabricate, supply, and provide necessary assistance in installing and commissioning of the Fire Water Pump Packages.</p>

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	<p>The main equipment included in the package, unless otherwise recommended by VENDOR, shall be as follow:</p> <table border="1" data-bbox="485 309 1375 1016"> <thead> <tr> <th>Pos</th> <th>Item / Tag</th> <th>Qty</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>TBA</td> <td>2 units</td> <td>Fire Water Pumps (Submerged Motor Type)</td> </tr> <tr> <td>2</td> <td>TBA</td> <td>2 units</td> <td>Fire Water Pump Drive – Containerised</td> </tr> <tr> <td>3</td> <td>-</td> <td>All</td> <td>Complete Package Auxiliaries</td> </tr> <tr> <td>4</td> <td>-</td> <td>All</td> <td>All Fabrication Testing at Vendor Shop</td> </tr> <tr> <td>5</td> <td>-</td> <td>All</td> <td>Third Party Inspection &amp; Certification</td> </tr> <tr> <td>6</td> <td>-</td> <td>All</td> <td>Regulatory &amp; Classification Compliance</td> </tr> <tr> <td>7</td> <td>-</td> <td>All</td> <td>Mechanical &amp; Process Guarantees</td> </tr> <tr> <td>8</td> <td>-</td> <td>All</td> <td>Acid Picking &amp; Passivation (when applicable)</td> </tr> <tr> <td>9</td> <td>-</td> <td>All</td> <td>Surface Preparation &amp; Painting</td> </tr> <tr> <td>10</td> <td>-</td> <td>All</td> <td>Packing, Preservation &amp; Preparation for Transportation / Shipment</td> </tr> <tr> <td>11</td> <td>-</td> <td>All</td> <td>Spare Parts for Pre-commissioning, Commissioning &amp; Start-Up</td> </tr> <tr> <td>12</td> <td>-</td> <td>All</td> <td>Spare Parts for 2 Years Operation (Optional with Price List)</td> </tr> <tr> <td>11</td> <td>-</td> <td>All</td> <td>Spare Parts for Capital / Insurance (Optional)</td> </tr> <tr> <td>12</td> <td>-</td> <td>All</td> <td>Special Tools</td> </tr> <tr> <td>13</td> <td>-</td> <td>All</td> <td>Setting Bolt (Optional)</td> </tr> <tr> <td>14</td> <td>-</td> <td>All</td> <td>Documentation (Including Drawings, Calculation Notes, Procedures, Inspection Test Plan, Manual &amp; etc.)</td> </tr> </tbody> </table>	Pos	Item / Tag	Qty	Description	1	TBA	2 units	Fire Water Pumps (Submerged Motor Type)	2	TBA	2 units	Fire Water Pump Drive – Containerised	3	-	All	Complete Package Auxiliaries	4	-	All	All Fabrication Testing at Vendor Shop	5	-	All	Third Party Inspection & Certification	6	-	All	Regulatory & Classification Compliance	7	-	All	Mechanical & Process Guarantees	8	-	All	Acid Picking & Passivation (when applicable)	9	-	All	Surface Preparation & Painting	10	-	All	Packing, Preservation & Preparation for Transportation / Shipment	11	-	All	Spare Parts for Pre-commissioning, Commissioning & Start-Up	12	-	All	Spare Parts for 2 Years Operation (Optional with Price List)	11	-	All	Spare Parts for Capital / Insurance (Optional)	12	-	All	Special Tools	13	-	All	Setting Bolt (Optional)	14	-	All	Documentation (Including Drawings, Calculation Notes, Procedures, Inspection Test Plan, Manual & etc.)
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<p><b>Specifications and Standards</b></p>	<p>Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.</p> <p>NFPA 20.</p> <p>Classification: DNV.</p>																																																																				
<p><b>Delivery Place (if applicable)</b></p>	<p>Singapore</p>																																																																				
<p><b>Full Scope Expression of Interest Closing Date</b></p>	<p>26-Nov-2021</p>																																																																				
<p><b>Supplier Instructions</b></p>	<p>Supplier(s) are to express interest via <a href="#">ICN Gateway</a> where competency and previous positive experiences for similar projects can be demonstrated for equipment of a similar size and service.</p> <p>Supplier(s) will only be considered for receipt of the Tender if deemed suitably qualified by the Company's Procurement Entity.</p>																																																																				
<p><b>Contact</b></p>	<p>All initial enquiries should be made through the Industry Capability Network Western Australia.</p> <p>Ray Loh  <a href="mailto:Ray.Loh@icnwa.org.au">Ray.Loh@icnwa.org.au</a>            +61 8 9365 7499</p>																																																																				

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<b>URL</b>	For more information about Santos please refer to their website <a href="http://www.santos.com">www.santos.com</a>
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