



## CSBP AMMONIA PROJECT

<b>Project</b>	CSBP Ammonia project
<b>Package Title</b>	Material Requisition for Reactors
<b>Reference Number</b>	201311C-1100-MR-0400-0001
<b>Package Description</b>	<p>Subject to material conditions precedent and final approvals, CSBP Ltd is exploring the expansion of its existing ammonia production facilities through the development of an adjoining ammonia plant at its Kwinana site (Project).</p> <p>The Project duplicates CSBP Limited's existing ammonia plant at the Kwinana site. The Project will consist of steam methane reforming, synthesis gas production and ammonia production units, with a focus on compatibility with emerging technologies. The Project uses existing infrastructure and utilities, and the finished product storage will be integrated with existing facilities on site.</p> <p><b>Scope of Work:</b></p> <p>Reactors consist of Secondary Reformer and other reactors mostly in hydrogen service for operation in Ammonia plant. Reactors to be constructed in accordance with AS 1210. Material of construction is 1-1/4Cr-1/2Mo steel. 100% radiography and post-weld heat treatment as per code or service requirement will be required. PWHT shall be performed with entire equipment in furnace. The Secondary Reformer shall be supplied with refractory lining installed.</p> <p>Diameter ranges from 1.6 m to 2.8 m. Tan to Tan Length ranges from 3 m to 11 m.</p> <p>Wall thickness ranges from 27 mm to 48 mm.</p> <p>Dry weight ranges from 14 MT to 35 MT.</p>
<b>Specifications and Standards</b>	<p>The design, materials, fabrication, inspection and testing of pressure vessels shall preferably be in accordance with the Australian Pressure Vessel Code, AS 1210 – Pressure Vessels, supplemented by CSBP standards.</p> <p>Alternatively, vendor may choose to design to ASME BPVC Section VIII provided that he is an ASME Certification Mark holder (U or U2 Designator). However, use of ASME BPVC Section VIII shall be supplemented by AS 1210 and AS 4458</p>



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	<p>requirements to ensure that the final design can be registered to AS 1210.</p> <p>API 934-C shall be complied for material and fabrication of the reactors.</p> <p>Australian statutory and regulatory requirements, CSBP standards and project specifications shall be complied.</p>
<b>Delivery Place (if applicable)</b>	FCA Supplier's workshop with option delivery DDP Kwinana Western Australia.
<b>Full Scope Expression of Interest Closing Date</b>	30 <sup>th</sup> June 2021
<b>Supplier Instructions</b>	<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 Prequalification to Tender if deemed suitably qualified by the Company's Procurement Entity.</p> <p>Please note, <b>this is an Expression of Interest (EOI) only</b>, the content of this work is subject to change pending project demand and timelines.</p>
<b>Contact</b>	<p>All initial enquiries should be made through the Industry Capability Network Western Australia. +61 8 9365 7623</p> <p>Carla Chilvers <a href="mailto:Carla.Chilvers@icnwa.org.au">Carla.Chilvers@icnwa.org.au</a> +61 8 9365 7543</p>
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