



Reference Number	TBA
Package Title	Electrical Switchgear and Power Management System
Package Description	<p>Background: Woodside has a range of projects that may require Electrical Switchgear and Power Management System.</p> <p>General Scope of Works:</p> <ul style="list-style-type: none"> • Low Voltage (690 V and 400 V) industrial air insulated metal-clad electrical switchgear in accordance with IEC 61439 - <i>Low-voltage switchgear and controlgear assemblies</i>, and • High Voltage (6600 V) industrial gas insulated metal-clad electrical switchgear in accordance with IEC 62271 - <i>High-voltage switchgear and controlgear</i> • High Voltage (13800 V) industrial air insulated metal-clad electrical switchgear in accordance with IEC 62271 - <i>High-voltage switchgear and controlgear</i> • Protection relays shall be multi-function Intelligent Electronic Device (IED) type. • The internal arc classification (IAC) of the High Voltage switchgear shall be FLR (IEC 62271-200). • Low voltage switchgear shall be designed, constructed and verification tested (as a special test) for “Internal Arc Containment” in accordance with the requirements of IEC TR 61641 • The form of internal separation for low voltage switchgear shall be a minimum of Form 4a for Air Circuit Breakers and a minimum of Form 3b for all other functional units (IEC 61439-2). • Switchgear shall be controlled and monitored from a 3rd party energy management and control system, or from a 3rd party process control system. • Power Management System in accordance with: <ul style="list-style-type: none"> - IEC 61850 Communication Networks and Systems in Substations interfaces, providing integration of IEDs in power control and management systems. - IEC 61508 and IEC 61511 Functional Safety of Electrical / Electronic / Programmable Electronic Safety-related Systems compliant Safety Instrumented System (SIS) covering the entire safety loop, including SIL (Safety Integrity Level) rated field devices, I/O modules, controllers, and field actuators. - IEC 61000 Electromagnetic Compatibility (EMC) • Compliance with the requirements of the Lloyds Register Rules and Regulations for the classification of Offshore Units where specified • Documentation • Test & Inspection • Engineering & Design • Spares and special tools • Commissioning and Field Support Capability (Overseas Shipyards and Offshore Australia) <p>Pre-Qualification Requirements:</p> <ul style="list-style-type: none"> • Must have minimum 5 years’ experience in supply to the oil and gas industry. • Must have a list of past project experience and preferably in delivering to offshore Projects in Australian waters. • Must have an ISO quality system and OSHAS or similar certifications. • Must have storage capability for the manufactured products

Standards	<p>Woodside Specifications Standards IEC, AS, AS/NZS and LR</p> <p>To be suitable for Western Australian construction.</p>
Delivery Place	To be confirmed
Supplier EOI Instructions	<p>Supplier(s) are invited to express interest by registering on ICN Gateway where competency and previous positive experiences of similar systems can be demonstrated.</p> <p>ICNWA will follow up on full scope registrations by email, once the full scope closing date has passed. The supplier's response to ICNWA's email will form their Expression of Interest (EOI) for this package.</p> <p>Suppliers will only be considered for Prequalification to tender if deemed suitably qualified based on criteria, including but not limited to, HSSE, Quality management, Financial standing, Onshore / Offshore and Workload availability.</p> <p>Please note this is an Expression of Interest (EOI) only, the content of this work is subject to change pending project demand and timelines.</p>
Contact	<p>All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA).</p> <p>Ray Loh Ray.Loh@icnwa.org.au +61 (0)8 9365 7499</p>
URL	<p>For more information about Woodside Energy please refer to the Woodside Energy Ltd. website www.woodside.com.au</p>
Full Scope EOI Closing Date	25 September 2023