

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Package Material Requisition Number	0000-RA-E-20079
Package Title	AMMONIA SHELL AND TUBE HEAT EXCHANGERS - LOT 2
1. SUBMISSION PROCEDURE	
EOI Instructions	<p>Supplier(s) are invited to express interest by registering on ICN Gateway where competency and previous positive experiences of similar supply of goods / services can be demonstrated.</p> <p>When submitting interest registrants will be asked to complete an expression of interest document. The registrant's response will form their Expression of Interest (EOI) for material and/or services.</p> <p>Suppliers will only be considered for Prequalification should they satisfy stated criteria, including but not limited to Health, Safety & Environmental Management, Quality management, financial standing, relevant experience and availability.</p>
EOI Closing Date	Please submit by close of business on 28/04/2023
Returnable Schedules	Where the EOI calls for any Returnable Schedules, please ensure all schedules are submitted.
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 (08) 9365 7499</p>
URL	<p>For more information regarding the Perdaman, refer</p> <ul style="list-style-type: none"> https://www.perdamanindustries.com.au/scjv/
2. INDICATIVE SCOPE OF WORK	
Package Description	<p>Overview</p> <p>Saipem Australia Pty Ltd and Clough Projects Australia Pty Ltd Joint Venture (herein referred to as the "CONTRACTOR") has reached an agreement with Perdaman Chemicals and Fertilisers Pty Ltd (herein referred to as the "OWNER") for the Engineering, Procurement, Construction and Commissioning of the PROJECT CERES located in Burrup Strategic Industrial Area, Burrup Peninsula, Western Australia.</p> <p>Perdaman Chemicals and Fertilisers Pty Ltd (OWNER) is focused on the development of Perdaman - Project CERES which shall be the world's largest gas stream ammonia-urea plant with a production capacity of 2.14 MMTPA granular urea.</p> <p>General Scope of Supply / Services</p> <p>Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc.,</p>

	<p>of AMMONIA SHELL AND TUBE HEAT EXCHANGERS - LOT 2 as listed in Annexure-1.</p> <p>Further inclusions consist of provision of management, design, calculation, procurement, fabrication, testing and certification to satisfy the scope of supply.</p> <p>The following must be provided:</p> <ul style="list-style-type: none"> • Technical deviations list • Special tools list • Schedule of rates • Spares list • Quality assurance <p>Responsibilities will include <i>inter alia</i>:</p> <ul style="list-style-type: none"> • Project management, reporting, attending meetings, participation in risk assessment workshops • Comply with site mobilisation and site requirements • Delivering work in a safe manner and to the required standards • Provide all equipment and materials for the Scope of Work
Standards	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
Key Dates	Final Notice to Proceed planned during 2023
Point of Delivery	Partial at Module Fabrication Yard (Outside Australia) & Partial at Project Site in Burrup Strategic Industrial Area (Western Australia)
3. RETURNABLE DOCUMENTS	
List of Returnable Schedules	List of experience on similar equipment supply projects
4. DISCLAIMER	
This Expression of Interest to gain an insight into the capabilities of potential suppliers and/or service providers and not a Tender Invitation or offer - the schedule and content of this work is subject to change pending project demand and timelines.	

ANNEXURE - 1

EQUIPMENT INFORMATION		Design Condition / Design condition for HE shell side		Design condition for HE tube side		EQUIPMENT DIMENSIONS							HEAT EXCHANGER DATA				MATERIAL				EPC STAGE ESTIMATED ASSEMBLY UNIT WEIGHT		
SL NO	PROJECT MAIN ITEM TAG	EQUIPMENT DESCRIPTION	Pressure	temperature	Pressure	temperature	Special Service SHELL SIDE	Special Service TUBE SIDE	ID (DIA)	TL - TL (T/L LENGTH / HEIGHT)	TUBE LENGTH (EFF)	SHELL THK.	HEAD THK. / CHANNEL THK	Tube OD	Tube Thk	No of Tubes/SHELL	BAYAS / UNIT SHELL / UNIT	SHELL	Channel / Head	Tubes	Tubesheet	Kg	
			(Mpa(g))	(°C)	(Mpa(g))	(°C)			(mm)	(mm)	(mm)	(mm)	(mm)										
1	1300-E-301-1/2	SOLUTION HEAT EXCHANGER	0,6	150	0,9	140	Amine	Amine	1910	7658	5800	13	13 / 13+4	19,05	1,65	2152 'U'	2	SA 516 Gr.70	SA 516 Gr. 70 + SS 316 Clad	SA 213 TP 316	SA 266 Gr.2 + SS 316 Clad	51460	
2	1300-E-302	STRIPPER REBOILER	3,5	150	4,1	190	Amine	Hydrogen	2120 / 3500	10570	7200	16	33+4 / 16	25,4	1,65	1410 'U'	1	SA 516 Gr.60	SA 516 Gr. 70 + SS 304L Clad	SA 213 TP 316L	SA 266 Gr.2 + SS 304L Clad	60500	
3	1300-E-305	DMW PREHEATER NO.2	1	150	4,1	180	-	Hydrogen	1580	14398	9240	11	48	19,05	1,65	3195	1	SA 240 Gr 304	SA 240 Gr 304L	SA 213 TP 304L	SA 182 F304L	68380	
4	1100-E-701	BLOWDOWN COOLER	0,35	150	1,15	80	-	-	300	2176	1650	10	10	19,05	2,11	72	1	SA 516 Gr. 70	SA 516 Gr. 70	SA 179	SA 266 Gr.2	672	