

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Package Material Requisition Number	0000-RA-E-20057
Package Title	COLUMN AND VESSEL INTERNALS
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	12/04/2023
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>Andie Pfaff Andie.Pfaff@icnwa.org.au +61 (08) 9365 7422</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., of COLUMN AND VESSEL INTERNALS 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

LIST OF COLUMN AND VESSEL INTERNALS

ITEM	QUANTITY EACH COLUMN	NUMBER	COLUMN INTERNAL DIAMETER mm	DESCRIPTION OF INTERNALS	PASSES Nr.	MATERIAL	SCOPE	TO BE INSTALLED IN COLUMN
1	1		3670	Flashing Feed Gallery with Parting Box, KOCH-GLITSCH Model 755 or EQ.	-	SS316		1300-C-301 CO2 Stripper
	1		3670	Inlet Distributor and removable beams, if any. (KOCH-GLITSCH MODEL 116 or EQ.)		SS316		
	2		3670	Hold Down Grid for Both beds (KOCH-GLITSCH MODEL 805 or EQ)		SS316		
	2		3670	Packing for both beds 2" IMTP Or Equivalent		SS316		
	2		3670	Support Grid and removable beams for both beds (KOCH-GLITSCH MODEL 804 or EQ)		SS316		
	1		3670	Inlet Re-Distributor and removable beams, if any. (KOCH-GLITSCH MODEL 117 or EQ.)		SS316		
	1		3670	Draw off Tray & supporting beams with Vortex Breaker		SS316		
2	1		3450	Demister YORK MESH TYPE 709 or EQ.		SS316		1300-C-302 CO2 Absorber
	3	Tray 1-3	3450	Bubble Cap Trays	1	SS316		
	1		3450	Liquid feed pipe with Parting box (KOCH-GLITSCH MODEL 119 Or EQ.)		SS316	Design Only	
	1		3450	Inlet Distributor for Bed-1 (KOCH-GLITSCH MODEL 116 Or EQ.)		SS316		
	3		3450	Hold Down Grid for all 3 beds (KOCH-GLITSCH MODEL 805 Or EQ.)		SS316		
	3		3450	Packing for all 3 beds IMTP 1"		SS316		
	3		3450	Support Grid for all 3 beds & removable beams if any (KOCH-GLITSCH MODEL 804 Or EQ.)		SS316		
	2		3450	Inlet Redistributor for Bed-2 & Bed-3 (KOCH-GLITSCH MODEL 117 or EQ.)		SS316		
	1		6410	Liquid Feed Pipe with Parting box at cone section. (KOCH-GLITSCH MODEL 119 or EQ.,)		SS316	Design only	
	2		6410	Inlet Redistributor for Bed-4 & 5 (KOCH-GLITSCH MODEL 117 or EQ.)		SS316		
	2		6410	Hold Down Grid for Bed-4 & 5 (KOCH-GLITSCH MODEL 805 or EQ.)		SS316		
	2		6410	Packing Bed for Bed-4 & Bed-5 IMTP 2"		SS316		
	2		6410	Support Grid for Bed-4 & 5 with removable beams if any (KOCH-GLITSCH MODEL 804 or EQ.)		SS316		
	1		6410	Injection Pipe for Nozzle-A1 (KOCH-GLITSCH MODEL 748 or EQ.)		SS316	Design Only	
	1		6410	Vortex Breaker Packing 2" Pall Rings or. EQ		SS316		
1		6410	Vortex Breaker, Elbow & Pipe for Nozzle-B2 & perforated basket.		SS316			
3	1		6380	Demister York Mesh Type 709 or. Equivalent		SS316		1300-V-301 LP Flash Drum
	2	Tray 1-2	6380	Bubble Cap Tray & Seal pan	1	SS316		
	1		6380	Flashing Feed Gallery with Parting box (KOCH-GLITSCH MODEL 755 or EQ.)		SS316		
	1		6380	Inlet Distributor (KOCH-GLITSCH MODEL 116 or EQ.)		SS316		
	1		6380	Hold Down Grid (KOCH-GLITSCH MODEL 805 or EQ.)		SS316		
	1		6380	Packing 2" IMTP		SS316		
	1		6380	Support Grid with removable beams if any. (KOCH-GLITSCH MODEL 804 or EQ.)		SS316		
	1		6380	WAVE SUBDUER PLATE		SS316	Design only	
4	1		5960	Demister (York mesh Type 709 or EQ.)		SS316		1300-V-302 HP Flash Drum
	1		5960	Flashing Feed Pipe with Parting Box (KOCH-GLITSCH MODEL 745 or EQ.)		SS316	Design only	
	1		5960	Inlet Distributor (KOCH-GLITSCH MODEL 116 or EQ.)		SS316		
	1		5960	Hold Down Grid (KOCH-GLITSCH MODEL 805 or EQ.)		SS316		
	1		5960	Packing 2" IMTP		SS316		

	1		5960	Support Grid with beams if any(KOCH-GLITSCH MODEL 804 or EQ.)		SS316		
	1		5960	Vortex Breaker Packing (2" Pall Rings or EQ.)		SS316		
	1		5960	Vortex Breaker, Elbow & Pipe for Nozzle-B1 & perforated basket.		SS316		
5	1		2130	Demister York mesh Type 709 or EQ.		SS316		1200-C-610 Process Condensate Stripper
	20	Tray 1-20	2130	Valve Trays with down comers	1	SS304		
6	1		270	Demister (York Mesh Type 709 or EQ.)		SS316		2500-C-501 Off gas Scrubber
	1		270	Liquid Feed Pipe (KOCH-GLITSCH MODEL 119 or EQ.)		SS304	Design only	
	1		270	Inlet Distributor (KOCH-GLITSCH MODEL 106 or EQ.)		SS304		
	2		270	Structured Packing – FLEXIPAC HC 1Y for both upper and Lower beds		SS304		
	2		270	Support Grid for both upper and Lower bed (KOCH-GLITSCH MODEL 802 or EQ.)		SS304		
	1		270	Inlet Redistributor for lower bed (KOCH-GLITSCH MODEL 106 or EQ.)		SS304		
7	5	Tray 1-5	2600	Bell Cap Trays with Downcomers	1	SS316L		2610-C-101 / 2710-C-101 M.P Absorber
	1		2600	Distributor Tray with risers		SS316L		
			2600	Internal feed Pipes		SS316L	Design Only	
8	55	Tray 1-55	1900	Valve Trays with Downcomers	1	SS304L		2610-C-102 / 2710-C-102 Distillation Tower
	1		1900	Chimney Tray		SS304L		
	As Per Dwg		1900	Internal feed pipes		SS304L	Design Only	
9	3	Tray 1-3	720	Cartridge Tray (Valve Trays)	1	SS304L		2610-C-103 / 2710-C-103 M.P Inerts Washing Tower
	As Per dwg		720	Inlet feed pipes		SS304L		
10	4	Tray 1-4	850	Valve Tray with Downcomers	1	SS304L		2610-C-104 / 2710-C-104 L.P Inerts Washing Tower
	As Per dwg			Inlet feed pipes		SS304L	Design Only	
11	1	Tray 1	1400	Sieve Tray	1	SS304L		<i>2610-C-105 / 2710-C-105 M.P Ammonia Recovery Tower</i>
	1		1400	Packing – Pall Rings (50x50x20 gauge).		SS316L		
	1		1400	Support grids for packing		SS304L		
	As per dwg		1400	Inlet feed pipes		SS304L	Design Only	
12	1	Tray 1	1500	Sieve Tray	1	SS304L		<i>2610-C-106 / 2710-C-106 Steam Recovery Tower</i>
	1		1500	Packing – Pall Rings (50x50x20 gauge).		SS316L		
	1		1500	Support grids for packing		SS304L		
	As per dwg		1500	Inlet feed pipes		SS304L	Design Only	
13	1		2750	Distributor, Perforated Plate & Seal Pan		SS316L	Design Only	<i>2610-V-102 / 2710-V-102 M.P Decomposer Separator</i>
	1		2750	Packing – Pall Rings (50x50x20 gauge).		SS316L		
	1		2750	Support grids for packing		SS316L		
14	1		2000	Distributor, Perforated Plate & Seal Pan		SS316L	Design Only	<i>2610-V-103 / 2710-V-103 L.P Decomposer Separator</i>
	1		2000	Packing – Pall Rings (50x50x20 gauge).		SS316L		
	1		2000	Support grids for packing		SS316L		
15	6	Tray 1-6	2950	Bubble Cap Trays with downcomers	1	SS304L		<i>1300-V-304 Process Gas Separator</i>
			2950	Demister		SS316		