EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Material Requisition Number	0000-SA-E-50006
Package Title	**INLINE FLOW METERS (VORTEX, MASS, MAGNETIC AND ULTRASONIC)**
1. SUBMISSION PROCEDURE	
EOI Instructions	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. 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. 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.
EOI Closing Date	Please submit by close of business on **02/10/2023**
Returnable Schedules	Where the EOI calls for any Returnable Schedules, please ensure all schedules are submitted.
Contact	All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA). Andie Pfaff andie.pfaff@icnwa.org.au +61 (08) 9365 7442
URL	For more information regarding the Perdaman, refer • https://www.perdamanindustries.com.au/scjv/
2. INDICATIVE SCOPE OF WORK	
Package Description	**Overview** 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. 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.

	General Scope of Supply / Services Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc., of **VORTEX, MASS, MAGNETIC AND ULTRASONIC FLOW METERS** as listed in Annexure 1. Further inclusions consist of provision of management, design, calculation, procurement, fabrication, testing and certification to satisfy the scope of supply. The following must be provided: • Technical deviations list • Special tools list • Schedule of rates • Spares list • Quality assurance Responsibilities will include *inter alia*: • The VENDOR shall assure responsibility for the entire package, including each sub-supply and components indicated in this specification. • 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 • Whole Guarantee and responsibility for assembling and good operation of the complete unit.
Standards	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
Key Dates	Tender issuance planned during 1st Week of October 2023
Point of Delivery	Module Fabrication Yard (Outside 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.	

	Norm.&Temp	ASTM A217 WC6	Note 3	Not Applicable	0 - 100000 kg/h	
	ASTM A182 F11 CL.2 - Norm.&Temp	ASTM A217 WC6	Note 3	Not Applicable	0 - 95000 kg/h	
	ASTM A182 F11 CL.2 - Norm.&Temp	ASTM A217 WC6	Note 3	Not Applicable	0 - 6500 kg/h	
	ASTM A105 Normalized	ASTM A216 WCB	Note 3	Not Applicable	0 - 13500 m³/h	
	ASTM A105 Normalized	ASTM A216 WCB	Note 3	Not Applicable	0 - 7000 m³/h	
	ASTM A105 Normalized	ASTM A216 WCB	Note 3	Not Applicable	0 - 1500 m³/h	
	ASTM A182 F304/304L DUAL GRADE	ASTM A351 CF3	Note 3	Not Applicable	0 - 2200 kg/h	
	ASTM A351 CF3M	ASTM A351 CF3M	Note 3	Not Applicable	0 - 60000 kg/h	

is, repeatability, static pressure and temperature effects on the instrument.

Flange Material	Body Material	Tube Material	Steam Jacketing	NACE	Calibration Range	Remarks
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 185000 kg/hr	
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 135000 kg/hr	
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 180 m³/h	
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 1.3 m³/h	
TM B462 UNS 08020 (Ann.)	Alloy 20 (UNS N08020)	Alloy 20 (UNS N08020)	Not Applicable	Not Applicable	0 - 0.5 m³/h	
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 180 m³/h	
S 316/ 316L	SS316	SS316	Not Applicable	Not Applicable	0 - 1.3 m³/h	
TM B462 UNS 08020 (Ann.)	Alloy 20 (UNS N08020)	Alloy 20 (UNS N08020)	Not Applicable	Not Applicable	0 - 0.5 m³/h	

Flange Material	Tube Material	Liner Material	Electrode Material	Electrode Type/ Material	NACE	Flow Range	Remarks
A182 F316/F316L DUAL GRADE	A182F316	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 150 m³/h	
A182 F316/F316L DUAL GRADE	A182F316	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 150 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 130 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 20 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 170 m³/h	
A182 F316/F316L DUAL GRADE	A182F316	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 150 m³/h	
A182 F316/F316L DUAL GRADE	A182F316	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 150 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 130 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 20 m³/h	
M A182 F304/304L DUAL GRADE	A182 F304	Teflon (PTFE or PFA) complete with flanges protection rings	Titanium	VTA / Same as Element Material	Not Applicable	0 - 170 m³/h	
A182 F316/F316L DUAL GRADE	SS316L	Teflon (PTFE or PFA) complete with flanges protection rings	Duplex SS	VTA / Same as Element Material	Not Applicable	0 - 87000000 kg/h	
A182 F316/F316L DUAL GRADE	SS316L	Teflon (PTFE or PFA) complete with flanges protection rings	Duplex SS	VTA / Same as Element Material	Not Applicable	0 - 87000000 kg/h	
A182 F316/F316L DUAL GRADE	SS316L	Teflon (PTFE or PFA) complete with flanges protection rings	Duplex SS	VTA / Same as Element Material	Not Applicable	0 - 3650000 kg/h	
A182 F316/F316L DUAL GRADE	SS316L	Teflon (PTFE or PFA) complete with flanges protection rings	Duplex SS	VTA / Same as Element Material	Not Applicable	0 - 3650000 kg/h	
A182 F316/F316L DUAL GRADE	ASTM A182 F316/F316L DUAL GRADE	Teflon (PTFE or PFA) complete with flanges protection rings	Duplex S.32750	VTA / Same as Element Material	Not Applicable	0 - 7000 kg/h	

pplicable	Not Applicable	Not Applicable	SS 316	Not Applicable	0 - 150 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 45000 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 44000 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 44000 m³/h	
pplicable	Not Applicable	Not Applicable	SS 316	Not Applicable	0 - 450 m³/h	(Note 2)
pplicable	Not Applicable	Not Applicable	SS 316	Not Applicable	0 - 150 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 45000 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 44000 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 44000 m³/h	
pplicable	Not Applicable	Not Applicable	SS 316	Not Applicable	0 - 450 m³/h	
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 630000 m³/h	(Note 3,4,5,6)
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 1140000 m³/h	(Note 3,4,6)
F 125 µin.Ra	Not Applicable	Not Applicable	Titanium	Not Applicable	0 - 3000 m³/h	(Note 3,4,6,7)
F 125 µin.Ra	ASTM A333 GR.6 - SMLS	ASTM A105 Normalized	Titanium	Not Applicable	0 - 220000 m³/h	(Note 3,8,9)

ession type.

(PCS).

ate measurement is not requested for this flow.

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e Transmitters to meet the overall compensated flow measurement accuracy.