

## EXPRESSION OF INTEREST (EOI)

<b>Project</b>	CERES
<b>Company / Client</b>	Perdaman Chemicals and Fertilisers Pty Ltd
<b>Package Material Requisition Number</b>	3910-RA-E-20070
<b>Package Title</b>	SEA WATER BERNOULLI FILTERS
<b>1. SUBMISSION PROCEDURE</b>	
<b>EOI Instructions</b>	<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 &amp; Environmental Management, Quality management, financial standing, relevant experience and availability.</p>
<b>EOI Closing Date</b>	Please submit by close of business on <b>29/05/2023</b>
<b>Returnable Schedules</b>	Where the EOI calls for any Returnable Schedules, please ensure all schedules are submitted.
<b>Contact</b>	<p>All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA).</p> <p>Andie Pfaff  <a href="mailto:Andie.Pfaff@icnwa.org.au">Andie.Pfaff@icnwa.org.au</a>  +61 (08) 9365 7422</p>
<b>URL</b>	<p>For more information regarding the Perdaman, refer</p> <ul style="list-style-type: none"> <li><a href="https://www.perdamanindustries.com.au/scjv/">https://www.perdamanindustries.com.au/scjv/</a></li> </ul>
<b>2. INDICATIVE SCOPE OF WORK</b>	
	<p><b>Overview</b></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>

### **General Scope of Supply / Services**

Design, Materials, Fabrication, Testing, Inspection, Painting and Supply / Prefabrication and Assembly etc. of the SEA WATER BERNOULLI FILTERS listed in Annexure-1.

SEA WATER BERNOULLI FILTERS shall include but not limited to the following:

1. The Vendor is responsible for the mechanical and Structural design (strength calculation, stress analysis, detail design & FEA if needed) for all elements, Purchase of Materials, Manufacture, Assembly, Testing, Inspection and Mechanical Performance and Workmanship guarantee of the final product.
2. Performing / coordinating all Process and mechanical calculations, analysis etc. for the Filters and providing documents / drawings as specified in the Material Requisition with all its attached documentation. This shall include all data required for the EPC CONTRACTOR to design of equipment foundations and interfaces (piping, electrical, control system, etc.)
3. In addition, the design shall cover the Equipment supports, the design of internal and external cleats, the design of lifting lugs / trunnions / tailing lugs and include a fatigue assessment, where applicable.
4. Design, fabricate, construct, and test the filters and associated components in accordance ASME Section X or ASME Section VIII Div.1 latest edition and addenda of each standard, this specification, datasheets and other applicable requirements of code / standards.
5. The Equipment supports, lifting lugs, trunnions and tailing lugs shall be welded to the shell by full penetration welds and be subjected to 100% visual inspection, 100% UT and 100% MPE or 100% DPE. Testing certificates are to be included in the final MDR.
6. Third Party Design Verification and Design Registration is excluded from the scope of Vendor as it will be handled by Contractor. The Vendor shall provide Contractor with a detailed design report and fabrication drawings approved by the Vendor's competent design engineer.

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

	<p>Responsibilities will include:</p> <ul style="list-style-type: none"> <li>• Project management, reporting, attending meetings, participation in risk assessment workshops.</li> <li>• Comply with site mobilisation and site requirements.</li> <li>• Delivering work in a safe manner and to the required standards</li> <li>• Provide all equipment and materials for the Scope of Work</li> </ul>
<b>Standards</b>	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
<b>Key Dates</b>	Full Notice to Proceed for the Project received from OWNER on 21 <sup>st</sup> April 2023. Tender is planned to be issued during May 2023
<b>Point of Delivery</b>	Partial at Module Fabrication Yard (Outside Australia) & Partial at Project Site in Burrup Strategic Industrial Area (Western Australia)
<b>3. RETURNABLE DOCUMENTS</b>	
<b>List of Returnable Schedules</b>	List of experience on similar equipment supply projects
<b>4. DISCLAIMER</b>	
<p>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.</p>	

**Annexure - 1**

All UoM in Nos.

TAG NO	Equipment Description	Design Pressure (MPa)	Design Temperature (°C)	Flow Rate	ALLO. PRESSURE DROP Clean/ Dirty (MPa)	Qty
3910-A-001-A to K	PHE SEA WATER FILTER	0.8	75	40425000 kg/h (NORM)	0.01 / 0.04	11
3910-A-002 A/B	MAKE UP SEA WATER FILTER	1	70	3217 t/hr (NORM) / 4195 t/hr (MAX)	0.005 / 0.01	2
3910-A-003	SEA WATER BLOWDOWN COOLER FILTER	1	75	2243000 kg/h (NORM)	0.01 / 0.04	1

MATERIAL : GRP or CS + Titanium Gr.2 Clad, Titanium Gr.2 Internals  
 FILTER TYPE : Bernoulli Type  
 FILTRATION DEGREE : 0.5  
 BACK WASHNG TYPE : Automatic