

## EXPRESSION OF INTEREST (EOI)

<b>Project</b>	CERES
<b>Company / Client</b>	Perdaman Chemicals and Fertilisers Pty Ltd
<b>Package Material Requisition Number</b>	0000-HA-E-49013
<b>Package Title</b>	TELECOM & SECURITY SYSTEMS
<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>06/07/2023</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 7442</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>	
<b>Package Description</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>

	<p><b>General Scope of Supply / Services</b></p> <p>Scope of Supply of <b>TELECOM &amp; SECURITY SYSTEMS</b> shall include Design, Engineering, Supply of materials, Fabrication and assembly at Telecom System Integrator (TSI) Factory, Shop tests (FAT, IFAT) and other inspections, painting and marking, packing, transportation, etc., as per 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"> <li>• Technical deviations list</li> <li>• Special tools list</li> <li>• Schedule of rates</li> <li>• Spares list</li> <li>• Quality assurance</li> </ul> <p>Responsibilities will include <i>inter alia</i>:</p> <ul style="list-style-type: none"> <li>• Project management, reporting, attending meetings, participation in Design review meetings, Coverage study review, etc.</li> <li>• Submission of all necessary documents for the scope of supply.</li> <li>• Coordination with Telecom Service provider for establishing Telephone and Data services.</li> <li>• Coordination with Telecom Regulatory Authorities for obtaining frequency approvals for Radio System.</li> <li>• Provide all equipment and materials for the Scope of Work and services.</li> <li>• Participation and contribution to I-FAT test by ICSS Vendor in ICSS Vendor I-FAT Staging area or at 3rd Party Package Vendor premises as preferred by CONTRACTOR.</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 necessary training for the operational / maintenance personnel.</li> </ul>
<b>Standards</b>	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
<b>Key Dates</b>	Final Notice to Proceed planned during 2023
<b>Point of Delivery</b>	<ol style="list-style-type: none"> <li>1. Module Fabrication Yard(s) (Outside Australia) - Equipment cabinets, Indoor equipment, JB's, etc.</li> <li>2. Burrup Project Site, Karratha – Outdoor Equipment, JB's, Poles, etc.</li> </ol>
<b>3. RETURNABLE DOCUMENTS</b>	
<b>List of Returnable Schedules</b>	List of experience on Similar Projects Material Supply / Engineering Service shall be submitted.
<b>4. DISCLAIMER</b>	
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**

**A. List of Equipment / Systems under Scope of supply**

Sl. No.	Description of Equipment / Systems	Quantity	Remarks
<b>A</b>	<b>TELECOM &amp; SECURITY SYSTEMS</b>	<b>1 Lot</b>	
A1	NETWORKING, CYBER SECURITY AND DATA MANAGEMENT SYSTEM	1 Lot	
A2	ACCESS CONTROL SYSTEM	1 Lot	
A3	CCTV & IDS	1 Lot	
A4	PAGA SYSTEM	1 Lot	
A5	RADIO SYSTEM	1 Lot	
A6	TELEPHONE SYSTEM	1 Lot	
A7	OPTICAL FIBER & STRUCTURED CABLING SYSTEM	1 Lot	
A8	EQUIPMENT CABINETS & ASSOCIATED COMPONENTS	1 Lot	
A9	SPARE PARTS AND SPECIAL TOOLS	1 Lot	

The below table provides a preliminary estimate of the system wise quantity of main equipment.

MAIN EQUIPMENT	QTY	UoM
<b>NETWORKING, CYBER SECURITY AND DATA MANAGEMENT SYSTEM</b>		
CORE SWITCH	4	Nos.
ACCESS SWITCH (24P / 48P)	58	Nos.
WIFI ACCESS POINTS	69	Nos.
NETWORK MANAGEMENT SYSTEM SERVER	1	Nos.
NETWORK MANAGEMENT SYSTEM WORKSTATION	1	Nos.
<b>ACCESS CONTROL SYSTEM</b>		
ACS MANAGEMENT SERVER	2	Nos.
MAIN CONTROLLER	6	Nos.
DOOR CONTROLLER	28	Nos.
CARD READER	52	Nos.
BREAK GLASS UNIT	28	Nos.
ELECTRO MAGNETIC LOCK	28	Nos.
EXIT PUSH BUTTON	10	Nos.
DOOR STATUS CONTACT	83	Nos.
PASSIVE INFRA RED DETECTOR	10	Nos.
IP FIELD INTERCOM	6	Nos.
IP MASTER INTERCOM	2	Nos.
PEDESTRIAN TURNSTILE	6	Nos.
VEHICLE BARRIER	6	Nos.
PORTABLE CARD READER	2	Nos.
ACS/IDS WORKSTATION	2	Nos.
<b>CCTV &amp; IDS</b>		
CCTV MANAGEMENT SERVER	2	Nos.
CCTV RECORDING SERVER	2	Nos.
THERMAL PTZ CAMERA	1	Nos.
OUTDOOR PTZ CAMERA	47	Nos.
OUTDOOR FIXED CAMERA	61	Nos.
INDOOR FIXED CAMERA	34	Nos.
WASHER TANK	108	Nos.
CCTV WORKSTATION & JOYSTICK KEYBOARD	7	Nos.

IDS MANAGEMENT SERVER	2	Nos.
IDS CONTROLLER	2	Nos.
START / END SENSOR	2	Nos.
IDS CABLE	7000	Mts.
<b>PAGA SYSTEM</b>		
PAGA CENTRAL SYSTEM	1	Nos.
PAGA AMPLIFIER	49	Nos.
INDOOR LOUDSPEAKER & JUNCTION BOX	250	Nos.
OUTDOOR LOUDSPEAKER & JUNCTION BOX	110	Nos.
OUTDOOR FLASHING BEACON & JUNCTION BOX	30	Nos.
ACCESS PANEL	6	Nos.
PAGA MANAGEMENT WORKSTATION	1	Nos.
<b>RADIO SYSTEM</b>		
RADIO CONTROLLER	1	Nos.
RADIO BASE STATION	1	Nos.
ACTIVE/PASSIVE REPEATER	13	Nos.
OUTDOOR ANTENNA	14	Nos.
HANDHELD RADIO	60	Nos.
DESKTOP RADIO	6	Nos.
VEHICLE MOUNT RADIO	1	Nos.
RADIO DISPATCHER PC	1	Nos.
<b>TELEPHONE SYSTEM</b>		
CALL MANAGER / SERVER	1	Nos.
DATA / VOICE GATEWAY	1	Nos.
INDOOR IP TELEPHONES	170	Nos.
OUTDOOR IP TELEPHONES	24	Nos.
SOUNDER CUM FLASHING BEACON	24	Nos.
ACOUSTIC HOOD	24	Nos.
ATTENDANT CONSOLE WORKSTATION	1	Nos.
<b>METEOROLOGICAL SYSTEM</b>		
AUTOMATIC WEATHER STATION	1	Nos.
WIND SPEED & DIRECTION SENSOR	1	Nos.
AIR TEMPERATURE SENSOR	1	Nos.
HUMIDITY SENSOR	1	Nos.
HMI	1	Nos.
<b>EQUIPMENT CABINET &amp; POWER DISTRIBUTION PANEL (PDP)</b>		
EQUIPMENT CABINET	34	Nos.
POWER DISTRIBUTION PANEL	10	Nos.