

## EXPRESSION OF INTEREST (EOI)

<b>Project</b>	CERES
<b>Company / Client</b>	Perdaman Chemicals and Fertilisers Pty Ltd
<b>Package Material</b>	0000-EA-E-40201 (HV CABLES)
<b>Requisition Number</b>	0000-EA-E-40202 (LV CABLES)
<b>Package Title</b>	HV CABLES AND LV CABLES
<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 <b>12/04/2023</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>	
<b>Package Description</b>	<p><b>Overview</b>  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>  Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc., of <b>HV and LV Cables</b> as per Annexure 1</p>

	The purpose of this enquiry is to award a Project Master Agreement and on the basis of Project Master Agreement, different Call-off Purchase orders will be Issued.
<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>	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>	
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: HV AND LV CABLES

Voltage Level	Size Range	Length (kms) Approx.
<b>HV CABLES:</b>		
3.8/6.6(7.2) kV Armoured Cables	3x2.5mm <sup>2</sup> to 3x240mm <sup>2</sup>	18Kms
3.8/6.6(7.2) kV Armoured Cables	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	5Kms
3.8/6.6(7.2) kV Armoured Cables - Underground installation with Termite protection	3x2.5mm <sup>2</sup> to 3x240mm <sup>2</sup>	16Kms
3.8/6.6(7.2) kV Armoured Cables - Underground installation with Termite protection	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	41Kms
6/10(12) kV Armoured Cables	3x2.5mm <sup>2</sup> to 3x240mm <sup>2</sup>	TBC
6/10(12) kV Armoured Cables	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	8Kms
6/10(12) kV Armoured Cables - Underground installation with Termite protection	3x2.5mm <sup>2</sup> to 3x240mm <sup>2</sup>	TBC
6/10(12) kV Armoured Cables - Underground installation with Termite protection	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	TBC
19/33(36) kV Armoured Cables	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	TBC
19/33(36) kV Armoured Cables - Underground installation with Termite protection	1x240mm <sup>2</sup> to 1x630mm <sup>2</sup>	44Kms
<b>LV CABLES:</b>		
0,6/1 kV Armoured Cables (XLPE) FT (1 Phase)	1x25mm <sup>2</sup> to 1x630mm <sup>2</sup>	79Kms
0,6/1 kV Armoured Cables (XLPE) FT (1 Phase) - Underground installation with Termite protection	1x25mm <sup>2</sup> to 1x630mm <sup>2</sup>	15Kms
0,6/1 kV unarmoured Cables (XLPE) FT LSZH (1 Phase)	1x25mm <sup>2</sup> to 1x630mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (XLPE/PVC) FT DC Cables	DC 2x2.5mm <sup>2</sup> to 2x240mm <sup>2</sup>	TBC
0,6/1 kV unarmoured Cables (XLPE/PVC) FT LSZH DC Cables	DC 2x2.5mm <sup>2</sup> to 2x240mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (XLPE/PVC) FT DC Cables - Underground installation with Termite protection	DC 2x2.5mm <sup>2</sup> to 2x240mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FT (1 Phase+N+E)	1x2.5+1x2.5+1E2.5mm <sup>2</sup> to 1x16+1x16+1E6mm <sup>2</sup>	223Kms
0,6/1 kV Armoured Cables (XLPE) FT (1 Phase+N+E)	1x25+1x25+1E6mm <sup>2</sup> to 1x240+1x240+1E95mm <sup>2</sup>	2Kms

Voltage Level	Size Range	Length (kms) Approx.
0,6/1 kV Armoured Cables (PVC) FT (1 Phase+N+E) - Underground installation with Termite protection	1x2.5+1x2.5+1E2.5mm <sup>2</sup> to 1x16+1x16+1E6mm <sup>2</sup>	11Kms
0,6/1 kV Armoured Cables (XLPE) FT (1 Phase+N+E) - Underground installation with Termite protection	1x25+1x25+1E6mm <sup>2</sup> to 1x240+1x240+1E95mm <sup>2</sup>	3Kms
0,6/1 kV Armoured Cables (PVC) FR (1 Phase+N+E)	1x2.5+1x2.5+1E2.5mm <sup>2</sup> to 1x16+1x16+1E6mm <sup>2</sup>	24Kms
0,6/1 kV Armoured Cables (XLPE) FR (1 Phase+N+E)	1x25+1x25+1E6mm <sup>2</sup> to 1x240+1x240+1E95mm <sup>2</sup>	5Kms
0,6/1 kV unarmoured Cables (PVC) FT LSZH (1 Phase+N+E)	1x2.5+1x2.5+1E2.5mm <sup>2</sup> to 1x16+1x16+1E6mm <sup>2</sup>	TBC
0,6/1 kV unArmoured Cables (XLPE) FT LSZH (1 Phase+N+E)	1x25+1x25+1E6mm <sup>2</sup> to 1x240+1x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+E)	3x2.5+1E2.5mm <sup>2</sup> to 3x16+1E6mm <sup>2</sup>	107Kms
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+E)	3x25+1E6mm <sup>2</sup> to 3x240+1E95mm <sup>2</sup>	96Kms
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+E) - Underground installation with Termite protection	3x2.5+1E2.5mm <sup>2</sup> to 3x16+1E6mm <sup>2</sup>	20Kms
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+E) - Underground installation with Termite protection	3x25+1E6mm <sup>2</sup> to 3x240+1E95mm <sup>2</sup>	23Kms
0,6/1 kV unarmoured Cables (PVC) FT LSZH (3 Phase+E)	3x2.5+1E2.5mm <sup>2</sup> to 3x16+1E6mm <sup>2</sup>	TBC
0,6/1 kV unarmoured Cables (XLPE) FT LSZH (3 Phase+E)	3x25+1E6mm <sup>2</sup> to 3x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FR (3 Phase+E)	3x2.5+1E2.5mm <sup>2</sup> to 3x16+1E6mm <sup>2</sup>	1Km
0,6/1 kV Armoured Cables (XLPE) FR (3 Phase+E)	3x25+1E6mm <sup>2</sup> to 3x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV unarmoured Cables (PVC) FR (3 Phase+E)	3x2.5+1E2.5mm <sup>2</sup> to 3x16+1E6mm <sup>2</sup>	TBC
0,6/1 kV unarmoured Cables (XLPE) FR (3 Phase+E)	3x25+6mm <sup>2</sup> to 3x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+N+E)	3x2.5+1x2.5+1E2.5mm <sup>2</sup> to 3x16+1x16+1E6mm <sup>2</sup>	21Kms
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+N+E)	3x25+1x25+1E6mm <sup>2</sup> to 3x240+1x240+1E95mm <sup>2</sup>	124Kms
0,6/1 kV Armoured Cables (PVC) FR (3 Phase+N+E)	3x2.5+1x2.5+1E2.5mm <sup>2</sup> to 3x16+1x16+1E6mm <sup>2</sup>	TBC

<b>Voltage Level</b>	<b>Size Range</b>	<b>Length (kms) Approx.</b>
0,6/1 kV Armoured Cables (XLPE) FR (3 Phase+N+E)	3x25+1x25+1E6mm <sup>2</sup> to 3x240+1x240+1E95mm <sup>2</sup>	1Km
0,6/1 kV UnArmoured Cables (PVC) FR (3 Phase+N+E)	3x2.5+1x2.5+1E2.5mm <sup>2</sup> to 3x16+1x16+1E6mm <sup>2</sup>	TBC
0,6/1 kV UnArmoured Cables (XLPE) FR (3 Phase+N+E)	3x25+1x25+1E6mm <sup>2</sup> to 3x240+1x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+N+E) - Underground installation with Termite protection	3x2.5+1x2.5+1E2.5mm <sup>2</sup> to 3x16+1x16+1E6mm <sup>2</sup>	2Kms
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+N+E) - Underground installation with Termite protection	3x25+1x25+1E6mm <sup>2</sup> to 3x240+1x240+1E95mm <sup>2</sup>	18Kms
0,6/1 kV unArmoured Cables (PVC) FT LSZH (3 Phase+N+E)	3x2.5+1x2.5+1E2.5mm <sup>2</sup> to 3x16+1x16+1E6mm <sup>2</sup>	TBC
0,6/1 kV unArmoured Cables (XLPE) FT LSZH (3 Phase+N+E)	3x25+1x25+1E6mm <sup>2</sup> to 3x240+1x240+1E95mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+3E)	3x2,5+3E2,5mm <sup>2</sup> to 3x16+3E16mm <sup>2</sup>	8Kms
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+3E)	3x25+3E16mm <sup>2</sup> to 3x300+3E150mm <sup>2</sup>	29Kms
0,6/1 kV Armoured Cables (PVC) FT (3 Phase+3E) - Underground installation with Termite protection	3x2,5+3E2,5mm <sup>2</sup> to 3x16+3E16mm <sup>2</sup>	TBC
0,6/1 kV Armoured Cables (XLPE) FT (3 Phase+3E) - Underground installation with Termite protection	3x25+3E16mm <sup>2</sup> to 3x300+3E150mm <sup>2</sup>	TBC
Control Cables + 1E - 0,6/1 kV Armoured Cables (PVC) FT	3x1.5mm <sup>2</sup> +1E to 30x1.5mm <sup>2</sup> +1E  3x2.5mm <sup>2</sup> +1E to 30x2.5mm <sup>2</sup> +1E  3x4mm <sup>2</sup> +1E / 3x6mm <sup>2</sup> +1E 5x4mm <sup>2</sup> +1E / 5x6mm <sup>2</sup> +1E	272Kms
Control Cables +1E - 0,6/1 kV Armoured Cables (PVC) FT - Underground installation with Termite protection	3x1.5mm <sup>2</sup> +1E to 30x1.5mm <sup>2</sup> +1E  3x2.5mm <sup>2</sup> +1E to 30x2.5mm <sup>2</sup> +1E  3x4mm <sup>2</sup> +1E / 3x6mm <sup>2</sup> +1E 5x4mm <sup>2</sup> +1E / 5x6mm <sup>2</sup> +1E	57Kms

Voltage Level	Size Range	Length (kms) Approx.
Control Cables + 1E - 0,6/1 kV unarmoured Cables (PVC) LSZH FT	3x1.5mm <sup>2</sup> +1E to 30x1.5mm <sup>2</sup> +1E  3x2.5mm <sup>2</sup> +1E to 30x2.5mm <sup>2</sup> +1E  3x4mm <sup>2</sup> +1E / 3x6mm <sup>2</sup> +1E 5x4mm <sup>2</sup> +1E / 5x6mm <sup>2</sup> +1E	32Kms
Control Cables + 1E - 0,6/1 kV Unarmoured Cables (PVC) FR	3x1.5mm <sup>2</sup> +1E to 30x1.5mm <sup>2</sup> +1E  3x2.5mm <sup>2</sup> +1E to 30x2.5mm <sup>2</sup> +1E  3x4mm <sup>2</sup> +1E / 3x6mm <sup>2</sup> +1E 5x4mm <sup>2</sup> +1E / 5x6mm <sup>2</sup> +1E	TBC
Control Cables + 1E - 0,6/1 kV Armoured Cables (PVC) FR	3x1.5mm <sup>2</sup> +1E to 30x1.5mm <sup>2</sup> +1E  3x2.5mm <sup>2</sup> +1E to 30x2.5mm <sup>2</sup> +1E  3x4mm <sup>2</sup> +1E / 3x6mm <sup>2</sup> +1E 5x4mm <sup>2</sup> +1E / 5x6mm <sup>2</sup> +1E	TBC
Lighting Cables - 0,6/1 kV Armoured (PVC) FR (2 Phase+N+E) Cables	3x2.5mm <sup>2</sup> + 1E2.5mm <sup>2</sup> (L1 L1' pilot N E) 3x6mm <sup>2</sup> + 1E2.5mm <sup>2</sup> (L1 L1' pilot N E) 3x10mm <sup>2</sup> + 1E4mm <sup>2</sup> (L1 L1' pilot N E)	15Kms
Earthing Cables Insulated	1x6mm <sup>2</sup> to 1x400mm <sup>2</sup>	169Kms
Earthing Cables Bare Copper Conductor	1x70mm <sup>2</sup> to 1x400mm <sup>2</sup>	TBC
Earthing Cables Bare Tinned Copper Material	1x70mm <sup>2</sup> to 1x400mm <sup>2</sup>	TBC

*For 3 Phase+3E cable, the Earthing core size shown are indicative. However, Vendor shall advise based on the Earth core size requirement of Australian standard.*