

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Package Material Requisition Number	0000-PA-E-87001
Package Title	MATERIAL HANDLING - CONVEYOR SYSTEM
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	Please submit by close of business on 28/04/2023 .
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>Ray Loh Ray.loh@icnwa.org.au +61 (08) 9365 7499</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 Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, supply / prefabrication, assembly, painting and marking, packing, transportation, & Construction site services etc. of CONVEYOR SYSTEM as detailed in ANNEXURE-1.</p> <p>Design Capacity: Refer 1.3 of ANNEXURE-1 for Design data summary</p> <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 • Training and Site supervision assistance
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	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

Material Handling Conveyor Package shall include but not limited to the following:
 VENDOR scope of supply shall include below main equipment and any additional equipment and control system not listed, but which are considered necessary for safe and satisfactory operation shall be included in the VENDOR's scope of supply and identified accordingly.

UNIT	TAG	DESCRIPTION	SERVICE
4110	4110-CV-011	Belt Conveyor	Granulation 2620 outlet
4110	4110-CV-012	Belt Conveyor	Granulation 2720 outlet
4110	4110-BS-001	Belt Scale	Belt Conveyor 4110-CV-011
4110	4110-BS-002	Belt Scale	Belt Conveyor 4110-CV-012
4110	4110-CV-001	Belt Conveyor	Transfer to storage
4110	4110-CV-002	Belt Conveyor	Transfer to storage
4110	4110-CV-003	Belt Conveyor	Transfer to storage
4110	4110-CV-004	Belt Conveyor	Stacking to storage with Tripper Car 4110-TR-001
4110	4110-TR-001	Tripper Car	Belt Conveyor 4110-CV-004
4110	4110-TT-001	Transfer Tower	Granulation 2620 outlet
4110	4110-TT-002	Transfer Tower	Granulation 2720 outlet
4110	4110-TT-003	Transfer Tower	Transfer to storage
4110	4110-TT-004	Transfer Tower	Transfer to storage
4110	4110-MH-001	Maintenance Hoist	Transfer Tower 4110-TT-001
4110	4110-MH-002	Maintenance Hoist	Transfer Tower 4110-TT-002
4110	4110-MH-003	Maintenance Hoist	Transfer Tower 4110-TT-003
4110	4110-MH-004	Maintenance Hoist	Transfer Tower 4110-TT-004
4130	4130-DG-001	Diverter Gate	Transfer to storage/bypass – Train 1
4130	4130-DG-002	Diverter Gate	Transfer to storage/bypass – Train 2
4130	4130-CV-022	Belt Conveyor	Transfer to port (storage bypass)
4130	4130-CV-001	Belt Conveyor	Reclaiming from plant storage
4130	4130-CV-002	Belt Conveyor	Transfer to port
4130	4130-CV-003	Belt Conveyor	Transfer to port
4130	4130-CV-004	Belt Conveyor	Transfer to port
4130	4130-CV-005	Belt Conveyor	Transfer to port
4130	4130-CV-006	Belt Conveyor	Transfer to port
4130	4130-CV-007	Belt Conveyor	Stacking to storage with Tripper Car 4130-TR-001
4130	4130-TR-001	Tripper Car	Belt Conveyor 4130-CV-007
4130	4130-BS-001	Belt Scale	Belt Conveyor 4130-CV-001
4130	4130-TT-001A	Transfer Tower	Transfer to port (storage bypass)

4130	4130-TT-001B	Transfer Tower	Reclaiming from storage
4130	4130-TT-002	Transfer Tower	Transfer to port
4130	4130-TT-003	Transfer Tower	Transfer to port
4130	4130-TT-004	Transfer Tower	Transfer to port
4130	4130-TT-005	Transfer Tower	Transfer to port
4130	4130-TT-006	Transfer Tower	Transfer to storage
4130	4130-MH-001A	Maintenance Hoist	Transfer Tower 4130-TT-001A
4130	4130-MH-001B	Maintenance Hoist	Transfer Tower 4130-TT-001B
4130	4130-MH-002	Maintenance Hoist	Transfer Tower 4130-TT-002
4130	4130-MH-003	Maintenance Hoist	Transfer Tower 4130-TT-003
4130	4130-MH-004	Maintenance Hoist	Transfer Tower 4130-TT-004
4130	4130-MH-005	Maintenance Hoist	Transfer Tower 4130-TT-005
4130	4130-MH-006	Maintenance Hoist	Transfer Tower 4130-TT-006
4150	4150-CV-001	Belt Conveyor	Reclaiming from port storage
4150	4150-CV-002	Belt Conveyor	Transfer to ship-loading
4150	4150-CV-003	Belt Conveyor	Transfer to ship-loading with Tripper Car 4150-TR-001
4150	4150-TR-001	Tripper Car (by others)	Belt Conveyor 4150-CV-003
4150	4150-BS-001	Belt Scale	Belt Conveyor 4150-CV-001
4150	4150-TT-001	Transfer Tower	Reclaiming from storage
4150	4150-TT-002	Transfer Tower	Transfer to ship-loading
4150	4150-MH-001	Maintenance Hoist	Transfer Tower 4150-TT-001
4150	4150-MH-002	Maintenance Hoist	Transfer Tower 4150-TT-002
4150	4150-JG-001	Jetty Gallery	Ship-loading
4150	4150-MH-003	Maintenance Hoist	Jetty Gallery 4150-JG-001

- Steel structures (design all Steel structures for equipment, transfer tower, galleries, trestles, truss, access platforms, as well fastening material (i.e. bolts, nuts, washers, etc.) in the reclaiming package.
- Transfer Towers, Access Platform & Conveyor galleries
- Electrical systems & components
- Instrumentation controls
- Other
 - Painting, Commissioning & Start-up Spares, packing, marking, preservation etc.
- Site supervision during erection, pre-commissioning, commissioning, start-up and site performance testing

Further inclusions consist of provision of management, design, calculation, procurement, fabrication, assembly, 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

1. DESIGN BASIS

1.1. UNIT DESCRIPTION

UNIT CODE	UNIT DESCRIPTION
2620	Urea Granulation Train 1 at plant
2720	Urea Granulation Train 2 at plant
4100	Urea Handling System
4110	Urea Transfer and Stacking at Plant
4120	Urea Storage and Reclaiming at Plant
4130	Urea Transfer from plant to port and Stacking at Port
4140	Urea Storage and Reclaiming at Port
4150	Urea Transfer and Ship-loading at Port

1.2. EQUIPMENT DESCRIPTION

EQUIPMENT CODE	EQUIPMENT DESCRIPTION
CV	Belt Conveyor
TR	Tripper Car
SR	Portal Scraper Reclaimer
SL	Ship-loader
BS	Belt Scale
DG	Diverter Gate
TL	Telescopic Chute
TT	Transfer Tower
JG	Jetty Gallery
MH	Maintenance Hoist

1.3. DESIGN DATA SUMMARY

<u>UNIT 2620 – UREA GRANULATION TRAIN-1</u>		
OPERATING TIME	hours/day	24
SERVICE	type	continuous
PRODUCTION RATE - NAMEPLATE	t/d	3100
CONVEYING CAPACITY	t/h	130 (normal), 156 (design)
CONVEYING EQUIPMENT	type	belt conveyor
CONVEYING SIZE	BW	800 mm (Vendor to advise), 35° idler trough, 1.5 m/s belt speed
<u>UNIT 2720 – UREA GRANULATION TRAIN-2</u>		
OPERATING TIME	hours/day	24
SERVICE	type	continuous
PRODUCTION RATE - NAMEPLATE	t/d	3100
CONVEYING CAPACITY	t/h	130 (normal), 156 (design)
CONVEYING EQUIPMENT	type	belt conveyor
CONVEYING SIZE	BW	800 mm (Vendor to advise), 35° idler trough, 1.5 m/s belt speed
<u>UNIT 4110 - UREA TRANSFER AND STACKING AT PLANT</u>		
OPERATING TIME	hours/day	24
SERVICE	type	continuous
CONVEYING CAPACITY	t/h	260 (normal), 312 (design)
CONVEYING EQUIPMENT	type	belt conveyor
CONVEYING SIZE	BW	1000 mm (Vendor to advise), 35° idler trough, 1.5 m/s belt speed
STACKING CAPACITY	t/h	260 (normal), 312 (design)
STACKING EQUIPMENT	type	overhead travelling tripper car
<u>UNIT 4120 - UREA STORAGE AND RECLAIMING AT PLANT</u>		
STOCKPILE - COMPARTMENT	No.	1
STOCKPILE CAPACITY	ton	75000
HEIGHT OF STOCKPILE	m	16
RECLAIMING EQUIPMENT	type	double boom travelling portal scraper
RECLAIMING CAPACITY	t/h	1100 (normal), 1210 (design)

UNIT 4130 - UREA TRANSFER AND STACKING AT PORT

OPERATING TIME	hours/day	6
SERVICE	type	discontinuous
CONVEYING CAPACITY	t/h	1100 (normal), 1210 (design)
CONVEYING EQUIPMENT	type	belt conveyor
CONVEYING CAPACITY	t/h	1100 (normal), 1210 (design)
CONVEYING SIZE	BW	1200 mm (Vendor to advise), 35° idler trough, 3.2 m/s belt speed (Vendor to advise)
STACKING EQUIPMENT	type	overhead travelling tripper car
STACKING CAPACITY	t/h	1100 (normal), 1210 (design)

UNIT 4140 - UREA STORAGE AND RECLAIMING AT PORT

STOCKPILE - COMPARTMENT	No.	1
STOCKPILE CAPACITY	ton	65000
HEIGHT OF STOCKPILE	m	16
RECLAIMING EQUIPMENT	type	double boom travelling portal scraper
RECLAIMING CAPACITY	t/h	2200 (normal), 2420 (design)

UNIT 4150 - UREA TRANSFER TO SHIPLOADING AT PORT

OPERATING TIME	hours/day	24
SERVICE	type	Intermittent
CONVEYING CAPACITY	t/h	2200 (normal), 2420 (design)
CONVEYING EQUIPMENT	type	belt conveyor
CONVEYING SIZE	BW	1800 mm (Vendor to advise), 35° idler trough, 3.2 m/s belt speed (Vendor to advise)
SHIPLOADING EQUIPMENT	type	travelling gantry, slewing/luffing boom
SHIPLOADING CAPACITY	t/h	2200 (normal), 2420 (design)
SHIP TYPE (HANDIMAX/PANAMAX)	dwt	Up to 80,000
SHIP LOA / LENGTH	m	220 / 290