

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Package Material Requisition Number	0000-MA-E-30013
Package Title	BLOWERS AND FANS
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 31/07/2023
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>Andie Pfaff Andie.Pfaff@icnwa.org.au (08) 9365 7442</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</p>

	<p>Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc., of BLOWERS AND FANS listed in 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"> • Technical deviations list • Special tools list • Schedule of rates • Spares list • Quality assurance <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
Standards	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
Key Dates	RFQ expected to be issued during July / August 2023
Point of Delivery	Partial to Project Site Burrup Strategic Industrial Area (Western Australia) & Partial to Module Fabrication Yard (South-east Asia)
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.	

S.No	Tag No.	Item Description	Qty	UOM
A	SCOPE OF SUPPLY			
A.1	MAIN EQUIPMENT/PACKAGE SKID FOR BLOWERS AND FANS			
1	2620-K-202 2720-K-202	Granulator Fluidized Air Fan - As per API 673 (Latest Ed.) Mass Flow Rate (Kg/h) Normal – 825477.4, Rated – 949559.6 Inlet Pressure (Mpa(g)) Normal – ATM, Rated –ATM Discharge Pressure (Mpa(g)) Normal – 0.0082, Rated – 0.009	2	Set
2	2620-MK-202 2720-MK-202	Electric Motors Drivers (compatible for VFD) with Heaters, Lifting Lugs, Earthing Lugs as necessary for package.	2	Set
3	2620-A-202 2720-A-202	Air Intake Filter (Sand Filter Type) along with required structure, platform, ladder and supports.	2	Set
4	2620-X-207 2720-X-207	Silencer (Intake).	2	Set
5	-	Variable Frequency Drive (VFD)	2	Set
6	-	Expansion Joints (SS) both inlet and outlet of each fan.	2	Set
7	-	Ducting/Piping along with supports between Air intake filter and blower fully prefabricated painted and tested.	2	Set
8	-	Lube Oil System (as per API 614, latest edition, General-purpose oil systems) including Pumps, Heater and all associated equipments with skid, piping (SS), Instrumentation and control, Cable, Cable trays with in the Skid.	2	Set
9	-	Lube Oil System and Inter connecting piping between lube oil system and fan.	2	Set
10	-	Coupling with non sparking coupling guard.	2	Set
11	-	Shaft sealing device and its accessories	2	Set
12	-	On-skid Piping as applicable, Valves (including drain), Instruments and Pipe Supports to skid edge for termination.	2	Set
13	-	Package Skid Baseplate (- A common baseplate shall be provided for fan and motor. Complete assembled at shop with in the same base plate is preferred; - Drain pan sloping to a skid-edge drain point; - Lifting lugs arranged for single point lift of the equipment; - Earthing lugs).	2	Set
14	-	Capacity control devices by Inlet Guide Vanes with their actuators, instrumentations that are required for the capacity control.	2	Set
15	-	Machine Monitoring field probes and proximitors (for BN 3300 series) (e.g. vibration, bearing temperature, axial displacement and key phaser) for Blowers/Fans and Motors as required on respective data sheet	2	Set

16	-	Speed Sensor / Transmitter.	2	Set
17	-	Inspection Doors.	2	Set
18	-	Provision for Impeller Cleaning Device.	2	Set
19	-	Counter flanges including bolts & nuts.	2	Set
20	-	Lube Oil Rundown tank (If required).	2	Set
A.2	MAIN EQUIPMENT/PACKAGE SKID FOR BLOWERS AND FANS			
1	2620-K-203 2720-K-203	Granulator Scrubber Exhaust Fan Mass Flow Rate (Kg/h) Normal – 999568.6, Rated – 1141843.9 Inlet Pressure (Mpa(g)) Normal – (-0.0048), Rated – (-0.0077) Discharge Pressure (Mpa(g)) Normal – 0.0004, Rated – 0.0004	2	Set
2	2620-MK-203 2720-MK-203	Electric Motors Drivers (compatible for VFD) with Heaters, Lifting Lugs, Earthing Lugs as necessary for package.	2	Set
3		Variable Frequency Drive (VFD)	2	Set
4		Expansion Joints (SS) both inlet and outlet of each fan.	2	Set
5		Lube Oil System (as per API 614, latest edition, General-purpose oil systems) including Pumps, Heater and all associated equipments with skid, piping (SS), Instrumentation and control, Cable, Cable trays with in the Skid.	2	Set
6		Lube Oil System and Inter connecting piping between lube oil system and fan.	2	Set
7		Coupling with non sparking coupling guard.	2	Set
8		Shaft sealing device and its accessories	2	Set
9		On-skid Piping as applicable, Valves (including drain), Instruments and Pipe Supports to skid edge for termination.	2	Set
10		Package Skid Baseplate (- A common baseplate shall be provided for fan and motor. Complete assembled at shop with in the same base plate is preferred; - Drain pan sloping to a skid-edge drain point; - Lifting lugs arranged for single point lift of the equipment; - Earthing lugs).	2	Set
11		Capacity control devices by Inlet Guide Vanes with their actuators, instrumentations that are required for the capacity control.	2	Set
12		Machine Monitoring field probes and proximitors (for BN 3300 series) (e.g. vibration, bearing temperature, axial displacement and key phaser) for Blowers/Fans and Motors as required on respective data sheet	2	Set
13		Speed Sensor / Transmitter.	2	Set
14		Inspection Doors.	2	Set
15		Provision for Impeller Cleaning Device.	2	Set
16		Counter flanges including bolts & nuts.	2	Set
17		Lube Oil Rundown tank (If required).	2	Set
18		Setting (anchor) bolts	2	Set

A.3 MAIN EQUIPMENT/PACKAGE SKID FOR BLOWERS AND FANS				
1	2620-K-204 2720-K-204	Dedusting Fan Mass Flow Rate (Kg/h) Normal – 20616, Rated – 22677 Inlet Pressure (Mpa(g)) Normal – ATM, Rated – ATM Discharge Pressure (Mpa(g)) Normal – 0.01, Rated – 0.01	2	Set
2	2620-MK-204 2720-MK-204	Electric Motors Drivers with Heaters as necessary for package.	2	Set
3		Expansion Joints (SS) both inlet and outlet of each fan.	2	Set
4		Coupling with non sparking coupling guard.	2	Set
5		Shaft sealing device and its accessories.	2	Set
6		On-skid Piping as applicable, Valves (including drain), Instruments and Pipe Supports to skid edge for termination.	2	Set
7		Package Skid Baseplate (- A common baseplate shall be provided for fan and motor. Complete assembled at shop with in the same base plate is preferred; - Drain pan sloping to a skid-edge drain point; - Lifiting lugs arranged for single point lift of the equipment; - Earthing lugs).	2	Set
8		Capacity control devices by Inlet Guide Vanes.	2	Set
9		Inspection Doors.	2	Set
10		Provision for Impeller Cleaning Device.	2	Set
11		Counter flanges including bolts & nuts.	2	Set
12		Setting (anchor) bolts	2	Set
A.4 MAIN EQUIPMENT/PACKAGE SKID FOR BLOWERS AND FANS				
1	2620-K-205 2720-K-205	Fumes Extraction Fan Mass Flow Rate (Kg/h) Rated – 15000 Inlet Pressure (Mpa(g)) Rated – ATM Discharge Pressure (Mpa(g)) Rated – 0.02	2	Set
2	2620-MK-205 2720-MK-205	Electric Motors Drivers.	2	Set
3		Expansion Joints (SS) both inlet and outlet of each fan.	2	Set
4		Coupling with non sparking coupling guard.	2	Set
5		Shaft sealing device and its accessories.	2	Set
6		On-skid Piping as applicable, Valves (including drain) and Pipe Supports to skid edge for termination.	2	Set
7		Package Skid Baseplate (- A common baseplate shall be provided for fan and motor. Complete assembled at shop with in the same base plate is preferred; - Drain pan sloping to a skid-edge drain point; - Lifiting lugs arranged for single point lift of the	2	Set

		equipment; - Earthing lugs).		
8		Capacity control devices by Inlet Guide Vanes.	2	Set
9		Inspection Doors.	2	Set
10		Provision for Impeller Cleaning Device.	2	Set
11		Counter flanges including bolts & nuts.	2	Set
12		Setting (anchor) bolts	2	Set