

<b>PROJECT OVERVIEW</b>	Perdaman Chemicals and Fertilisers are focused on the development of the world's largest stream urea plant with a production capacity of 2 MTPA. The plant is located within the Burrup Strategic Industrial Area, Burrup Peninsula, approximately 10km from Dampier and 20km north-west of Karratha on the north west coastline of Western Australia. The development will utilise local natural gas for fertiliser production, using innovative and low-emissions technologies and will be Australia's first Urea Export Project generating Export Revenue of US\$ 800 Million/year. The facility will consist of a Syngas Production Block, Fertiliser Production Block and Offsite Facilities and Utilities.																																																					
<b>PACKAGE TITLE:</b>	Plate and Frame Heat Exchangers																																																					
<b>PACKAGE NO:</b>	P5304																																																					
<b>SCOPE:</b>	<p>The Plate and Frame Heat Exchanger package will include:</p> <table border="1" data-bbox="285 963 1440 1869"> <thead> <tr> <th data-bbox="285 963 509 1058">Equipment Name.</th> <th data-bbox="509 963 578 1058">Qty.</th> <th data-bbox="578 963 737 1058">Capacity</th> <th data-bbox="737 963 961 1058">Design Pressure (Mpag)</th> <th data-bbox="961 963 1185 1058">Design Temperature (deg C)</th> <th data-bbox="1185 963 1440 1058">MOC</th> </tr> </thead> <tbody> <tr> <td data-bbox="285 1058 509 1161">4 BAR ABSORBER FEED COOLER</td> <td data-bbox="509 1058 578 1161">1</td> <td data-bbox="578 1058 737 1161">*862 kW</td> <td data-bbox="737 1058 961 1161">*1.10 (TBC) (Hot)/0.65 (Cold)</td> <td data-bbox="961 1058 1185 1161">*70 (Hot) / 65 (Cold)</td> <td data-bbox="1185 1058 1440 1161">*304 (Hot) / CS (Cold)</td> </tr> <tr> <td data-bbox="285 1161 509 1264">ATMOSPHERIC ABSORBER COOLER</td> <td data-bbox="509 1161 578 1264">1</td> <td data-bbox="578 1161 737 1264">*628 kW</td> <td data-bbox="737 1161 961 1264">*0.35 (TBC) (Hot)/0.65 (Cold)</td> <td data-bbox="961 1161 1185 1264">*120 (Hot) / 65 (Cold)</td> <td data-bbox="1185 1161 1440 1264">*304 (Hot) / CS (Cold)</td> </tr> <tr> <td data-bbox="285 1264 509 1367">PURIFIED PROCESS CONDENSATE COOLER</td> <td data-bbox="509 1264 578 1367">1</td> <td data-bbox="578 1264 737 1367">*3003 kW</td> <td data-bbox="737 1264 961 1367">*0.8 (Hot)/0.65 (Cold)</td> <td data-bbox="961 1264 1185 1367">*165 (Hot) / 65 (Cold)</td> <td data-bbox="1185 1264 1440 1367">*CS (Hot) / CS (Cold)</td> </tr> <tr> <td data-bbox="285 1367 509 1535">DESORBER HEAT EXCHANGER</td> <td data-bbox="509 1367 578 1535">1</td> <td data-bbox="578 1367 737 1535">*5287 kW</td> <td data-bbox="737 1367 961 1535">*0.8 (Hot)/0.5 (Cold)</td> <td data-bbox="961 1367 1185 1535">*187 (Hot) / 143 (Cold)</td> <td data-bbox="1185 1367 1440 1535">*304 (Hot) / 304 (Cold)</td> </tr> <tr> <td data-bbox="285 1535 509 1675">HYDROLYZER HEAT EXCHANGER</td> <td data-bbox="509 1535 578 1675">1</td> <td data-bbox="578 1535 737 1675">*5011 kW</td> <td data-bbox="737 1535 961 1675">*2.1 (Hot)/2.6 (Cold)</td> <td data-bbox="961 1535 1185 1675">*230 (Hot) / 220 (Cold)</td> <td data-bbox="1185 1535 1440 1675">*316 (Hot) / 316 (Cold)</td> </tr> <tr> <td data-bbox="285 1675 509 1778">STEAM CONDENSATE COOLER</td> <td data-bbox="509 1675 578 1778">1</td> <td data-bbox="578 1675 737 1778">*311 kW</td> <td data-bbox="737 1675 961 1778">*1.4 (Hot)/0.65 (Cold)</td> <td data-bbox="961 1675 1185 1778">*100 (Hot) / 65 (Cold)</td> <td data-bbox="1185 1675 1440 1778">*CS (Hot) / CS (Cold)</td> </tr> <tr> <td data-bbox="285 1778 509 1873">4 BAR ABSORBER FEED COOLER</td> <td data-bbox="509 1778 578 1873">1</td> <td data-bbox="578 1778 737 1873">*862 kW</td> <td data-bbox="737 1778 961 1873">*1.10 (TBC) (Hot)/0.65 (Cold)</td> <td data-bbox="961 1778 1185 1873">*70 (Hot) / 65 (Cold)</td> <td data-bbox="1185 1778 1440 1873">*304 (Hot) / CS (Cold)</td> </tr> </tbody> </table>						Equipment Name.	Qty.	Capacity	Design Pressure (Mpag)	Design Temperature (deg C)	MOC	4 BAR ABSORBER FEED COOLER	1	*862 kW	*1.10 (TBC) (Hot)/0.65 (Cold)	*70 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)	ATMOSPHERIC ABSORBER COOLER	1	*628 kW	*0.35 (TBC) (Hot)/0.65 (Cold)	*120 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)	PURIFIED PROCESS CONDENSATE COOLER	1	*3003 kW	*0.8 (Hot)/0.65 (Cold)	*165 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)	DESORBER HEAT EXCHANGER	1	*5287 kW	*0.8 (Hot)/0.5 (Cold)	*187 (Hot) / 143 (Cold)	*304 (Hot) / 304 (Cold)	HYDROLYZER HEAT EXCHANGER	1	*5011 kW	*2.1 (Hot)/2.6 (Cold)	*230 (Hot) / 220 (Cold)	*316 (Hot) / 316 (Cold)	STEAM CONDENSATE COOLER	1	*311 kW	*1.4 (Hot)/0.65 (Cold)	*100 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)	4 BAR ABSORBER FEED COOLER	1	*862 kW	*1.10 (TBC) (Hot)/0.65 (Cold)	*70 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)
Equipment Name.	Qty.	Capacity	Design Pressure (Mpag)	Design Temperature (deg C)	MOC																																																	
4 BAR ABSORBER FEED COOLER	1	*862 kW	*1.10 (TBC) (Hot)/0.65 (Cold)	*70 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)																																																	
ATMOSPHERIC ABSORBER COOLER	1	*628 kW	*0.35 (TBC) (Hot)/0.65 (Cold)	*120 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)																																																	
PURIFIED PROCESS CONDENSATE COOLER	1	*3003 kW	*0.8 (Hot)/0.65 (Cold)	*165 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)																																																	
DESORBER HEAT EXCHANGER	1	*5287 kW	*0.8 (Hot)/0.5 (Cold)	*187 (Hot) / 143 (Cold)	*304 (Hot) / 304 (Cold)																																																	
HYDROLYZER HEAT EXCHANGER	1	*5011 kW	*2.1 (Hot)/2.6 (Cold)	*230 (Hot) / 220 (Cold)	*316 (Hot) / 316 (Cold)																																																	
STEAM CONDENSATE COOLER	1	*311 kW	*1.4 (Hot)/0.65 (Cold)	*100 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)																																																	
4 BAR ABSORBER FEED COOLER	1	*862 kW	*1.10 (TBC) (Hot)/0.65 (Cold)	*70 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)																																																	



	ATMOSPHERIC ABSORBER COOLER	1	*628 kW	*0.35 (TBC) (Hot)/0.65 (Cold)	*120 (Hot) / 65 (Cold)	*304 (Hot) / CS (Cold)
	PURIFIED PROCESS CONDENSATE COOLER	1	*3003 kW	*0.8 (Hot)/0.65 (Cold)	*165 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)
	DESORBER HEAT EXCHANGER	1	*5287 kW	*0.8 (Hot)/0.5 (Cold)	*187 (Hot) / 143 (Cold)	*304 (Hot) / 304 (Cold)
	HYDROLYZER HEAT EXCHANGER	1	*5011 kW	*2.1 (Hot)/2.6 (Cold)	*230 (Hot) / 220 (Cold)	*316 (Hot) / 316 (Cold)
	STEAM CONDENSATE COOLER	1	*311 kW	*1.4 (Hot)/0.65 (Cold)	*100 (Hot) / 65 (Cold)	*CS (Hot) / CS (Cold)
	Protective coating included in vendor scope.					
<b>Contact:</b>	Industry Capability Network of Western Australia – <a href="http://www.icnwa.org.au/ContactUs.asp">www.icnwa.org.au/ContactUs.asp</a>					
<b>Project URL:</b>						
<b>Close Date:</b>	20 March 2019					