

Scope of Work for ICN Gateway Scarborough Export Trunkline Seabed Intervention and Shore Crossing Project

Package Name	Supply and Delivery of Rock Armour and Quarry Products								
Package No.	WE130-RSP-001								
Scope of Supply	<p>Supply, testing, stockpiling, transportation and measurement of Rock for the Scarborough Export Trunkline (SCATL) Seabed Intervention and Shore Crossing (SISC). Quarry products to be sourced from an existing quarry operation with demonstrated capacity to meet both production timeframes and specified project requirements.</p> <p>The following details are provided for information only and do not form part of the project specifications.</p> <p>Quarry product types consist of the following requirements:</p> <ul style="list-style-type: none"> ▪ Particle Shape All particles within a rock sample shall have a Length (L) to Thickness (E) ratio (L/E ratio) less than 2.5 and by as per the requirements of W1000SG5656818 Section 3.2.2. ▪ Bulk Density shall be between 1,500 kg/m³ and 1,800 kg/m³ and be as per the requirements of W1000SG5656818 Section 3.2.3. ▪ Abrasion Resistance: Los Angeles abrasion loss value shall be less than 30 % and be as per the requirements of W1000SG5656818 Section 3.3.3. ▪ Particle Density - The dry particle density shall be greater than 2.6 t/m³ except for Armour Rock 1 which shall be greater than 2.9 t/m³ and be as per the requirements of W1000SG5656818 Section 3.3.4. ▪ Water Absorption The water absorption shall be less than 1.5% and be as per the requirements of W1000SG5656818 Section 3.3.4. ▪ Salt Attack - For rock required in intertidal and splash zones the sodium sulphate loss shall not exceed 12 % and be as per the requirements of W1000SG5656818 Section 3.3. ▪ Durability The wet/dry strength variation shall be less than 30 %. The wet strength shall be greater than 100 kN. The degradation factor or durability index (source rock) shall be a minimum of 50. The above shall comply with the requirements of W1000SG5656818 Section 3. ▪ Rock shall be igneous or metamorphic and be free from clay, silt, vegetation, or other deleterious substances 								
	Product Grading [mm]	Armour 1	Armour 2	Armour 3	Filter	Bedding	Crossing 1	Crossing 2	
	D0min	900	200	100	10	N/A	25	50	
	D0max	1050	250	200	15	N/A	37.5	110	
	D50	1150	400	285	30	100	75	150	
	D100min	1400	650	375	70	N/A	175	220	
	D100max	1550	700	450	110	N/A	275	300	
	Indicative Project Timing and Contractors draw down requirements (Volume in ton):								
	Timing	Armour 1	Armour 2	Armour 3	Filter	Bedding	Crossing 1	Crossing 2	TOTAL
	2023 Q1						20,500	7,000	27,500
2023 Q2				2,000	500 + 4,500			7,000	
2023 Q3	4,000	5,500 + 25,000		15,000				49,500	
2023 Q4		38,000	137,000	17,000				192,000	
2024 Q2						3,000	38,000	41,000	
TOTAL	4,000	68,500	137,000	34,000	5,000	23,500	45,000	317,000	
Proposed delivery location is King Bay Supply Base BMF in the Port of Dampier except for the quantities highlighted in red which are to be delivered at the shore crossing site at the Pluto LNG Plant in Dampier.									

Specifications and Standards:	Specifications applicable to these works include: <ul style="list-style-type: none"> ▪ Woodside specification W1000SG5656818 - Engineering Standard Pipelines Installation Rock Supply. ▪ Other applicable standards include: <ul style="list-style-type: none"> ○ AS 1141.6.1 Methods for sampling and testing aggregates - Particle density and water absorption of coarse aggregate - Weighing-in-water method AS 1141. ○ Movement of company goods and services in accordance with Supply Chain Security Management (ISO28000)
Minimum Scope of Work Requirements:	The scope of work includes: <ol style="list-style-type: none"> 1) Preparation and submission of required Contractor quality verification documentation, procedures, checklists, inspection and test plans and calibration certificates including third party and NATA certified testing requirements prior to and during the works 2) Detailed quarry management to ensure production of quarry products meets specified requirements 3) Production planning to ensure Contractor timeframes will be adhered to and milestones met 4) Stockpiles will be managed to prevent degradation and cross contamination of materials 5) Regulatory approvals will be obtained and managed in a timely manner to ensure all required external approvals are maintained 6) Transport and logistics are managed to incorporate and comply with Boskalis Australia (Contractor's) designated delivery requirements including regulatory, local government, MRWA, Pilbara Port Authority and Woodside requirements 7) Submission of daily reports outlining supply activities 8) Weekly reports outlining weight certificates and overall quantity reconciliation including production curves 9) Summary of supplier's safety performance in relation to the works. 10) Provision of a weighbridge to verify the weight of all materials delivered to the Contractors stockpile area 11) Submission of suppliers completed Manufacturers Data Report 12) OPTIONAL: supply and delivery of all the rock materials (except for the quantities highlighted in red) to the Port of Ashburton in case the King Bay Supply Base BMF in the Port of Dampier is not available for use.
Contact:	<ul style="list-style-type: none"> ▪ Industry Capability Network Western Australia (+61 8) 9365 7623 ▪ Name: Ray Loh <ul style="list-style-type: none"> ○ Phone No.: T: 9365 7499 /M: 0435144578 ○ E-mail: Ray.Loh@icnwa.org.au ○ Please Note: This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and /or tender if suitably qualified. For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia.
URL	For more information about Boskalis, please refer to the Boskalis website https://www.boskalis.com/
Closing Date:	17-Feb-22