

Australian Jobs Act 2013

\*\*\*\*\* Approved by AIP Authority on Fri Aug 06 2021 1 1 :47:08 GM T+1 000 (AEST) \*\*\*\*\*

Australian Industry Participation Plan Summary - Project Phase

**Nominated project proponent:** FORTESCUE FUTURE INDUSTRIES PTY LTD

Project details

Name: Tasmania Green Hydrogen One (gH1) Project

Location: Bell Bay, Tasmania

Type: Other productive facility

Purpose: Establish new facility

Capital expenditure: $500 million or more

Description: The Proponent proposes to develop a hydrogen production and green ammonia export project in the Bell Bay industrial precinct, in Tasmania (the Project). The Project will make use of renewable energy and water to produce hydrogen through electrolysis which will then be used to produce ammonia. It is currently contemplated that the Project will include a 250 mega-watt (MW) ammonia plant with green ammonia production capacity of 250,000 tonnes per year. The Project will involve the construction of hydrogen electrolysers, air separation units, ammonia synthesis plant, ammonia product storage tanks, raw water and wastewater treatment plants, high voltage (HV) receiving substation/switchyard, non-process infrastructure (inclusive of warehouse and workshop) and a marine loading facility. The key features of the Proponent’s procurement and contracting strategy for the Project will involve either an engineering, procurement and fabrication (EPF) or an engineering, procurement and construction (EPC) agreement with a process technology owner in the hydrogen/ammonia industry, with other major packages to be contracted either directly by the Principal or by the EPC contractor (if relevant). Australian entities will have full, fair and reasonable opportunity to tender for supply of goods or services for the Project either directly with the Proponent, or in a subcontracting capacity with the Proponent’s major contractors. The Proponent’s major contractors will be obligated in their contracts to comply with the Proponent’s AIP Plan requirements (to the extent applicable and relevant to their scope) and report to the Proponent on their compliance. Procurement Activities Timeframe: Procurement activities are scheduled to commence in the second half of 2021. FID is expected to occur in the second half of 2021. Construction Activities Timeframe: Construction is scheduled to commence Quarter 1 2022. The green ammonia facility is expected to be operational December 2023.

Completion date: 31 Dec 2023

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Key goods and services

Indicative list of key goods and services to be acquired for the project:

**Opportunities for**

**Opportunities for**

**Explanation for no opportunities for Australian entities**

**Key goods and services**

**Australian entities\***

**non-Australian**

**entities**

Process Technology Solution and design of ammonia plant

Yes

Yes

Site Preparation

Yes

Yes

Wastewater Treatment & Effluent Drainage

Yes

Yes

(Outflow)

Raw Water Supply Treatment Plant HV Power Main Receiving

Yes

Yes

Yes

Yes

Substation/Switchyard

Telecommunications/IT and Security

Yes

Yes

systems

Non-Process Infrastructure (workshop,

Yes

Yes

warehouse and gatehouse)

Jetty/Port Upgrades

Yes

Yes

Product Storage Tank

Yes

Yes

Overall Plant Control System Integration

Yes

Yes

Marine Loading Arm

Yes

Yes

33kv Switchgear & Switchroom

Yes

Yes

HV Transformers

Yes

Yes

Construction and assembly of air separation

Yes

Yes

unit

Construction and assembly of ammonia

Yes

Yes

synthesis loop

Construction and assembly of all other modules required for ammonia plant Construction and assembly of electrolysers

Yes

Yes

Yes

Yes

\*An Australian entity is an entity with an ABN or ACN Project standards:

Australian

International

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Supplier information and communication

Project proponent’s contact person for supplier enquiries:

**Contact person name** Ray Loh

**Contact person position** Manager, ICNWA

**Phone number** 0893657499

**E-mail** [Ray.Loh@icnwa.org.au](mailto:Ray.Loh@icnwa.org.au)

Project proponent website: <https://www.fmgl.com.au/about-fortescue/our-operations> and http://gateway.icn.org.au/

Project opportunities website: http://gateway.icn.org.au/

Supplier engagement and communication actions :

Promote project opportunities through industry associations

Conduct supplier information briefings on project opportunities and bid processes

Issue media releases or ASX announcements on project developments and opportunities

Community Liaison

Building Australian industry capability

Supplier capability development actions:

Provide market intelligence to suppliers

Transfer new product and process technology to suppliers

Encourage joint ventures and alliances between suppliers

Support supplier development initiatives of industry associations or governments

Global supply chain integration actions:

Introduce suppliers to global supply chain partners

Facilitate strategic partnering and joint ventures between Australian and international suppliers Recommend suppliers undertake export readiness training or international accreditation Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

If an Australian entity is not shortlisted to participate in a tender or has been unsuccessful in the tender, the Proponent will work with ICN to provide feedback. More specifically, the Proponent, working with ICN will: • provide information on recommended development activities to increase the unsuccessful tenderer’s capabilities and capacity for future tender processes, including referral to support programs; and • provide general feedback on the strengths and weaknesses of tenders, suggestions for improving the quality of submissions and how to improve competitiveness for future opportunities. In addition, the Project's procurement entities will be contractually required to offer feedback to unsuccessful Australian tenderers, which will include recommendations of relevant training, skills, capability and capacity development where relevant.

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Australian Industry Participation Plan Summary - Operations

Phase

**Nominated facility operator:** FORTESCUE FUTURE INDUSTRIES PTY LTD

Facility details

Name: Tasmania Green Hydrogen One (gH1) Project

Location: Bell Bay, Tasmania

Type: Other productive facility

Key goods and services

Indicative list of key goods and services to be acquired for the new facility:

**Opportunities for**

**Opportunities for**

**Explanation for no opportunities for Australian entities**

**Key goods and services**

**Australian entities\***

**non-Australian**

**entities**

Waste Management Services

Yes

Yes

Fire System

Yes

Yes

water treatment chemical supply

Yes

Yes

Pump Repair Services

Yes

Yes

Rotating Equipment Repair Services

Valve Repair Services

Technology Supplier Services

Yes

Yes

Yes

Yes

Yes

Yes

Scaffolding Services

Yes

Yes

Cranes (Fixed, Gantry, HE, Mobile) Services

Yes

Yes

Offsite Mechanical Repair Services

Yes

Yes

Control System Integrator

Yes

Yes

Classified Plant

Yes

Yes

Hire Equipment

Yes

Yes

Ai rcon Servicing

Yes

Yes

Non-Process Infrastructure (workshop, warehouse and gatehouse)

Yes

Yes

Security Services

Yes

Yes

Specialist Engineering Services (RBI Inspections, EEHA Inspections, etc) Instrument Calibration Services

Yes

Yes

Yes

Yes

Painting Services

Yes

Yes

Industrial Insulation Services

Yes

Yes

Electrolyser (Spares)

Yes

Yes

Ammonia (Spares)

Yes

Yes

ASU (Spares)

Yes

Yes

Balance of Plant (Spares)

Yes

Yes

fuel supply

Yes

Yes

\*An Australian entity is an entity with an ABN or ACN Facility standards:

Australian

International

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Supplier information and communication

Facility operator’s contact person for supplier enquiries:

**Contact person name** Ray Loh

**Contact person position** Manager, ICNWA

**Phone number** 0893657499

**E-mail** [Ray.Loh@icnwa.org.au](mailto:Ray.Loh@icnwa.org.au)

Facility operator website: <https://www.fmgl.com.au/about-fortescue/our-operations> and http://gateway.icn.org.au/

Facility opportunities website: http://gateway.icn.org.au/

Supplier engagement and communication actions :

Promote project opportunities through industry associations

Conduct supplier information briefings on project opportunities and bid processes

Issue media releases or ASX announcements on project developments and opportunities

Directly contact suppliers with information on project opportunities and bid processes

Building Australian industry capability

Supplier capability development actions:

Provide market intelligence to suppliers

Transfer new product and process technology to suppliers Encourage joint ventures and alliances between suppliers Pre-qualification Advice

Global supply chain integration actions:

Introduce suppliers to global supply chain partners

Facilitate strategic partnering and joint ventures between Australian and international suppliers

Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

The Operator, working with ICN, will offer written feedback with advice that a bid was not successful. In particular, the Operator, working with ICN, will do the following with respect to such feedback: • provide information on recommended development activities to increase their capabilities and capacity on future operational opportunities, which may include participation in government funded programs such as the Entrepreneurs’ Programme, to access expert consultations to assess the unsuccessful bidder’s business and identify specific areas of improvement. The Programme will then work with the unsuccessful bidder to find simple, smart and effective ways to address the shortfalls identified in the Facility’s pre-qualification/tendering process and achieve their business goals. • encourage adoption of Australian Standards requirements for OH&S, quality and environmental qualifications. Where required, provide general feedback on the strengths and weaknesses of bids, suggestions for improving the quality of submissions and how to improve competitiveness for future opportunities. In addition, the Project’s procurement entities will be contractually required to offer feedback to unsuccessful Australian tenderers, which will include recommendations of relevant training, skills, capability and capacity development where relevant.

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