



Australian Industry
Participation Authority

Australian Jobs Act 2013

AIP Plan reference code: QNL4B237

Australian Industry Participation Plan Summary - Project Phase

Nominated project proponent: The Trustee for the NSW Electricity Networks Operations Trust

Project details

Name: Accelerated Synchronous Condensers

Location: Kemps Creek, Newcastle, Darlington Point, Wellington and Armidale

Type: Electricity facility

Purpose: Upgrade existing facility

Capital expenditure: \$ 890,000,000

Description: Transgrid's modelling shows a gap in the NSW/ACT system strength in FY2028, where the need for system strength exceeds what can be contracted from existing and forecasted non-network solutions. This gap in system strength may be met via accelerated procurement, design, manufacture, installation and commissioning of new network synchronous condensers at the following (existing Transgrid substations) five locations: 1.Newcastle 2.Kemps Creek 3.Armidale 4.Wellington 5.Darlington Point. The Project will be split into two main components: Syncons Package: the design, supply, delivery (installation) and commissioning of syncons at the five locations. This will be undertaken by original equipment manufacturers (Suppliers) who will also provide long-term operational support and asset maintenance following Transgrid's energisation of the equipment. Associated Works Package: the associated works required to integrate the syncons into the five locations on the existing Transgrid substations, including Balance of Plant, earthworks foundations, other civils, HV and substation enabling works, site infrastructure, associated buildings and the installation of associated equipment (i.e., not syncons). This will be undertaken by Design and Construct (D&C) Contractors. Transgrid will be responsible for grid connection activities during commissioning.

Completion date: 29 Sep 2028

Key goods and services

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

Key goods and services	Opportunities for Australian entities*	Opportunities for non-Australian entities	Explanation for no opportunities for Australian entities
Synchronous Condensers	No	Yes	Transgrid conducted a market sounding in May 2024 to gather information regarding suppliers and their availability. Generally, there is an extremely constrained market for delivery of the syncons. This is because, there are only a few foundries globally, there is a global increase in demand for syncons, the assets are very large and logistics is difficult and, there are no Australian suppliers/manufacturers that are suitable or available.

Substation		
Equipment including	Yes	Yes
HV Plant		
LV Cable	Yes	Yes
Accommodation	Yes	No
Catering / Food		
Supplies	Yes	No
Civil, Building		
Construction &		
Substation Upgrade	Yes	Yes
works		
Design and		
Engineering	Yes	Yes
services		
Fencing	Yes	Yes
Insurance	Yes	Yes
Travel (domestic /		
regional)	Yes	No
Various specialist		
consultancy		
services including,	Yes	Yes
environmental,		
Geotech, noise		
Haulage	Yes	Yes
Gantry Cranes	Yes	Yes
Clearing works /		
access track	Yes	Yes
construction/upgrade		
Cleaning of facilities	Yes	Yes
Vehicle & Plant Hire	Yes	Yes
Quarry Products	Yes	Yes
Steel Supply -		
including Fabricated		
Structures &	Yes	Yes
Galvanising		
Copper Earthing		
materials	Yes	Yes
Aluminium Solid		
Busbar Fabrication	Yes	Yes
& Supply		
Conductor	Yes	Yes
Fuel and Oil Supply		
(Diesel, Petrol,		
Lubricants)	Yes	No
Insulator supply	Yes	Yes
Line Hardware / HV		
Fittings supply	Yes	Yes
Plant and Equipment		
Maintenance	Yes	Yes
Security Services	Yes	Yes
Traffic Management	Yes	Yes
Trades/ Skilled		
Labour	Yes	Yes
Vegetation		
Management	Yes	Yes

Waste Management (specialised)	Yes	No
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*An Australian entity is an entity with an ABN or ACN

Project standards:

Australian
International

Supplier information and communication

Project proponent's contact person for supplier enquiries:

Contact person name Caitlin Trumble
Contact person position Commercial Manager
Phone number 0292843000
E-mail caitlin.trumble@transgrid.com.au

Project proponent website: <https://www.transgrid.com.au/projects-innovation/meeting-system-strength-requirements-in-nsw/>

Project opportunities website: <https://icn.org.au/> <https://supplynation.org.au/>

Supplier engagement and communication actions :

Promote project opportunities through industry associations
Conduct supplier information briefings on project opportunities and bid processes
Directly contact suppliers with information on project opportunities and bid processes
Investment and Innovation in the Supply Chain

Building Australian industry capability

Supplier capability development actions:

Recommend suppliers undertake training and/or accreditation
Transfer new product and process technology to suppliers

Global supply chain integration actions:

Introduce suppliers to global supply chain partners
Facilitate strategic partnering and joint ventures between Australian and international suppliers

Feedback process for unsuccessful bidders:

Tenderers will be required to include in their submission information relevant to this AIPP and how they will address compliance to the requirements. The compliance to the AIPP will be a criterion for selection on the project. In the instance a tenderer is not successful, brief feedback may be provided on request and will be limited to specific criteria where their submission did not comply. This will enable tenderers to identify areas for capacity development, investment and training.