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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. |

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Substation

Equipment including Yes Yes
HV Plant

LV Cable Yes Yes

Accommodation Yes No

Catering! Food Yes No

Supplies

|  |  |
| --- | --- |
| Civil, Building Construction & Substation Upgrade worksDesign and Engineering services |  Yes Yes Yes Yes |

Fencing Yes Yes

Insurance Yes Yes

Travel (domestic! Yes No

regional)

|  |  |
| --- | --- |
| Various specialist consultancy services including, environmental, Geotech, noise | Yes Yes |

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 & GalvanisingCopper Earthing materialsAluminium Solid Busbar Fabrication & Supply | Yes YesYes YesYes Yes |

Conductor Yes Yes

Fuel and Oil Supply

(Diesel, Petrol, Yes No

Lubricants)

Insulator supply Yes Yes

Line Hardware! HV Yes Yes

Fittings supply

Plant and Equipment Yes Yes

Maintenance

Security Services Yes Yes

Traffic Management Yes Yes

Trades! Skilled Yes Yes

Labour

Vegetation Yes Yes

Management

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Waste Management Yes No

(specialised)

\*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.

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