



Australian Jobs Act 2013

AIP Plan reference code:

Australian Industry Participation Plan Summary - Project Phase

Nominated project proponent: Stubbo 1 Pty Ltd (ACN 658 322 457) as trustee for the Stubbo Solar Project Trust

Project details

Name: Stubbo Solar

Location: Stubbo, NSW

Type: Electricity facility

Purpose: Establish new facility

Capital expenditure: \$500 million or more

Description: Stubbo 1 Pty Ltd (ACEN Australia) is proposing to construct the Stubbo Solar project with approximately 400 MW capacity near Gulgong in the Central West region of NSW. Rows of solar photovoltaic (PV) panels will be installed on a single axis tracking system that follows the path of the sun. ACEN will engage an EPC Contractor to provide detailed engineering design, procurement and construction services for the solar farm and associated high voltage electrical infrastructure. Subject to achieving final project approvals, construction is expected to commence in the fourth quarter of 2022 and continue for a period of 2 years.

Completion date: 31 Mar 2025

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
Single axis solar trackers (SAT)	No	Yes	Single axis tracker system – the project will use a single axis tracker system to support the Solar PV Modules and maximise the energy generation from the modules by following the path of the sun. There is no Australian manufacturer of an equivalent system that provides the equivalent quality nor could provide sufficient quantity for a project of this scale. The single axis tracking system includes the pile supports which are commonly provided using Wide Flange Beams (W Sections) not manufactured in Australia.

Solar PV Modules	No	Yes	<p>Solar PV Modules – there is no local manufacturer able to provide the quantities of modules required in the project timeframe, nor produce modules that are consistent with current technology available internationally. The following are two Australian PV Module Suppliers, which unfortunately are not able to supply modules of the required power class, cannot supply 72-cell bifacial modules (current technology globally) nor modules in the required quantities for the project. Supplier 1 Power Class - Due to the space constraints of Stubbo Solar and to achieve the objectives of the project, the power of the PV modules selected need to be in the order of 540W. The power of the PV modules offered is 330W, which is just 63% of the required power. Capacity - The current production plant capacity is 150 MW/Year. The desired Stubbo Solar power is 400MW/Year. With the current production capacity, Supplier 1 will take 2.7 years to supply the required modules, this is considering the total production capacity dedicated to Stubbo Solar, which is not a reasonable expectation. Supplier 2 Power - Due to the space constraints of the Stubbo Solar and to achieve the objectives of the project, the power of the PV modules selected need to be close to 540W. The power of the PV modules offered by Supplier 2 is 200W, only 38% of the required power. Capacity - The current production plant capacity is 25 MWdc/Year. The desired Stubbo Solar power is 400 MWac/Year. With the current production capacity, Supplier 2 will take over 20 years to provide the required number of modules, this is considering the total production capacity dedicated to Stubbo Solar, which is an unreasonable assumption.</p> <p>Inverters – there is no local manufacturer of the inverter systems and power conversion units that can be provided in sufficient quantities and quality for the project, while remaining compliant with the technical specification requirements of the connection agreement.</p>
Inverters	No	Yes	
Electrical cables	Yes	Yes	
Electrical protection equipment, combiner boxes, DC junctions	Yes	Yes	
Transformers	Yes	Yes	
High voltage electrical switchgear	Yes	Yes	
Civil engineering structures including road construction and fencing	Yes	Yes	
Engineering Design	Yes	Yes	
Owner's Engineer / Contract Management Services	Yes	Yes	

*An Australian entity is an entity with an ABN or ACN

Project standards:

Australian

Supplier information and communication

Project proponent's contact person for supplier enquiries:

Contact person name Michael Yeo
Contact person position Project Manager
Phone number 0427776873
E-mail info@stubbosolar.com.au

Project proponent website: www.stubbosolar.com.au

Project opportunities website: www.stubbosolar.com.au We note that the EPC Contractor may choose to make use of other websites or procurement streams; links to procurement website for the project will be provided on the www.stubbosolar.com.au website. The project will host a supplier forum in the local region to advise prospective suppliers of the procurement method and location of where opportunities will be published.

Supplier engagement and communication actions :

- 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
- Community consultations on Available opportunities for local businesses

Building Australian industry capability

Supplier capability development actions:

- Recommend suppliers undertake training and/or accreditation
- Provide market intelligence to suppliers
- Transfer new product and process technology to suppliers
- Encourage joint ventures and alliances between suppliers

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:

ACEN will contractually require that the EPC Contractor complies with this AIP Plan which includes providing feedback to unsuccessful Australian producers and suppliers to encourage improved performance in future EOIs and RFTs. This could include referring unsuccessful eligible Australian companies to the Department of Innovation, Industry and Science's Entrepreneur's Programme. The EPC Contractor is to provide documented feedback to unsuccessful Australian producers or suppliers and providing a copy to ACEN to confirm compliance with this requirement.

Australian Industry Participation Plan Summary - Operations Phase

Nominated facility operator: Stubbo 1 Pty Ltd (ACN 658 322 457) as trustee for the Stubbo Solar Project Trust

Facility details

Name: Stubbo Solar

Location: Stubbo, NSW

Type: Electricity facility

Key goods and services

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

Key goods and services	Opportunities for Australian entities*	Opportunities for non-Australian entities	Explanation for no opportunities for Australian entities
Operation and Maintenance Services	Yes	Yes	

*An Australian entity is an entity with an ABN or ACN

Facility standards:

Australian

Supplier information and communication

Facility operator's contact person for supplier enquiries:

Contact person name Michael Yeo
Contact person position Project Manager
Phone number 0427776873
E-mail info@stubbosolar.com.au

Facility operator website: www.stubbosolar.com.au ACEN will provide a link to any procurement website introduced by the Operations and Maintenance Contractor, on the project website.

Facility opportunities website: www.stubbosolar.com.au ACEN will provide a link to any procurement website introduced by the Operations and Maintenance Contractor, on the project website.

Supplier engagement and communication actions :

- Promote project opportunities through industry associations
- Issue media releases or ASX announcements on project developments and opportunities
- Directly contact suppliers with information on project opportunities and bid processes
- Community consultations on Available opportunities for local businesses

Building Australian industry capability

Supplier capability development actions:

- Recommend suppliers undertake training and/or accreditation
- Provide market intelligence to suppliers
- Transfer new product and process technology to suppliers
- Encourage joint ventures and alliances between suppliers

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:

ACEN will contractually require that the Operations and Maintenance Contractor complies with this AIP Plan which includes providing feedback to unsuccessful Australian producers and suppliers to encourage improved performance in future EOIs and RFTs. This could include referring unsuccessful eligible Australian companies to the Department of Innovation, Industry and Science's Entrepreneur's Programme. The O&M Contractor is to provide documented feedback to unsuccessful Australian producers or suppliers and providing a copy to ACEN to confirm compliance with this requirement.