

# Australian Industry Participation (AIP) Plan Executive Summary

## 1. General Project Details

**Company Name:** CRWF Nominees Pty Ltd

### Description of the project:

The Crudine Ridge Wind Farm project (CRWF) is a 135 MW wind farm consisting of 37 Wind Turbine Generators (WTGs) connected into the National Electricity Market (NEM). Once operational CRWF will supply the equivalent of approximately 57,500 homes with clean energy.

CRWF is owned by CRWF Hold Trust and the trustee is CRWF Nominees Pty Ltd. Construction will be undertaken by an unincorporated consortium of GE International Inc and Zenviron Pty Ltd (the EPC Contractor). GE will supply the wind turbines; Zenviron will transport and erect the WTG and undertake the civil and electrical balance of plant works.

The wind farm is connected to a new substation to be provided by, separately owned and operated by TransGrid, the Transmission Network Service Provider for NSW. The new substation and its associated 14km dual transmission line to connect to existing network infrastructure will be constructed by TransGrid.

Principal activities are excavation of the site; construction of roads; delivery of wind turbines and other equipment on site; construction of wind turbine foundations; installation of electrical cabling; installation of wind turbines; and construction of site compounds and an operations and maintenance building. The main components of a wind turbine are tower sections, nacelle (generator), hub and blades. The nacelles, hubs, and blades will be procured from GE factories overseas. Balance of plant: civil works, cabling and provision of site compounds and operations & maintenance building, will require the supply of materials such as reinforcing steel, concrete and cables.

The project is scheduled to commence construction in May 2018 and to run for approximately 18 months. Expected completion is November 2019.

**Estimated total project value:** \$182,600,000

### Project location:

Crudine Ridge Wind Farm (CRWF) lies within the Mid-Western Regional and Bathurst Regional Council boundaries, situated 45 km south of Mudgee and 45 km north of Bathurst, in central west New South Wales (NSW).

**Link to project information:** [www.crudineridgewindfarm.com.au](http://www.crudineridgewindfarm.com.au)

**Project contact for procurement information:** Brendan McAvoy, (02) 6100 2122, [Brendan.McAvoy@cwpm.com.au](mailto:Brendan.McAvoy@cwpm.com.au)

## 2. Opportunities for Australian industry involvement

List of goods and services to be procured for the project and the expected opportunity for industry participation	Opportunities for Australian suppliers*	Opportunities for overseas suppliers
Goods: Wind turbine nacelles	No <sup>1</sup>	Yes
Goods: Wind turbine hubs	No <sup>1</sup>	Yes
Goods: Wind turbine blades	No <sup>1</sup>	Yes
Goods: Wind turbine towers	Yes	Yes
Goods: Wind turbine hold down bolts	Yes	Yes

<b>List of goods and services to be procured for the project and the expected opportunity for industry participation</b>	<b>Opportunities for Australian suppliers*</b>	<b>Opportunities for overseas suppliers</b>
Goods: Concrete supply	Yes	No
Goods: Reinforcing steel	Yes	No
Goods: MV electrical equipment supply	Yes	Yes
Services: Design	Yes	Yes
Services: Civil construction (including construction of site compound and service buildings)	Yes	No
Services: Wind turbine foundation installation	Yes	No
Services: Earthworks, trenching and cable laying	Yes	No
Services: Engineering consultants	Yes	No
Services: Electrical installation	Yes	No
Services: MV transmission line construction	Yes	No
Services: Transport / Logistic services - Inland	Yes	No
Services: Transport - Marine	No <sup>2</sup>	Yes
Services: Cranes/Wind turbine erection	Yes	No

<sup>1</sup> will be procured from GE factories overseas, there are no certified GE manufacturers of these parts in Australia.

<sup>2</sup> shipping to originate overseas for practical purposes.

\*An Australian supplier means an entity that has an ABN or an ACN.

Disclaimer: The information provided in the table above is based on an initial assessment by the company. Any questions or issues should be raised with the project contact.

### **3. Communication Strategy**

- The EPC Contractor will seek information on Australian industry capability through industry contacts, the CRWF website and Industry Capability Network (ICN). CRWF will release work packages through the ICN Gateway.
- Dedicated website for project with contact portal for businesses interested in project work.
- Communication through local business and community channels.
- Communication through local media outlets.

### **4. Opportunities through all tiers of supply and in all stages of the project**

- Specifications based on Australian, International Organization for Standardization (ISO), International Electrotechnical Commission (IEC) and any other relevant industry standards.
- Supplier/subcontractor assessments based on capability, value, scope, safety and environment when considering the total product offering.
- Contractual arrangements to pass down to all contracting tiers to maximise Australian supplier opportunities.
- Equal opportunity will be provided for all tenderers to review and respond to tenders.

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## **5. Opportunities for longer-term participation**

- Provide opportunities for suppliers to be introduced to the EPC Contractor's global procurement requirements, and therefore have the potential to extend Australian suppliers overseas.
- The EPC Contractor will provide review meetings and feedback to suppliers and subcontractors.
- Where mutually beneficial arrangements have been identified, strategic partnerships will be entered into.
- References provided for service providers on request.

## **6. Procedures and Resources**

- The EPC Contractor will, under the terms of the EPC Contract, implement the AIP Plan.
- The EPC Contract Administrator will monitor compliance with the AIP Plan.
- The EPC Contractor will report monthly to CRWF on conformance with the plan.
- The EPC Contractor will, under the terms of the EPC Contract, ensure that all subcontractors adhere to the AIP plan from contract execution.