



Australian Government

Australian Industry
Participation Authority

Australian Jobs Act 2013

AIP Plan reference code: GN9MQPWT

Australian Industry Participation Plan Summary - Project Phase

Nominated project proponent: ACEN PHOENIX PTY LTD

Project details

Name: Phoenix Pumped Hydro

Location: 35km west of Mudgee, near Lake Burrendong, NSW

Type: Electricity facility

Purpose: Establish new facility

Capital expenditure: \$500 million or more

Description: ACEN Phoenix Pty Ltd (ACEN Australia) is proposing to construct the Phoenix Pumped Hydro Project, a 800MW pumped hydro project, with a maximum 15 hour storage capacity, 35km west of Mudgee, within the NSW Government's Central-West Orana Renewable Energy Zone (REZ). The project will have purpose built, off-stream, upper and lower storage reservoirs connected by a tunnel to a powerhouse containing pump-turbine unit. ACEN Australia will engage an EPC Contractor to provide detailed engineering design, procurement and construction services for the pumped hydro project and associated high voltage electrical infrastructure. Subject to achieving final project approvals, construction is expected to commence in 2028 and continue for a period of 5 years. Key project milestones and activities consist of: - enabling works - road upgrades - earthworks and dam construction - underground tunnelling works - powerhouse construction - turbine installation - transmission line & substation construction - Commissioning Phoenix Pumped Hydro Project was awarded a pumped hydro recoverable grant (PHRG) via the NSW DCCEEW recoverable grant program for \$7million.

Completion date: 31 Dec 2033

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
Accommodation, Offices & Amenities	Yes	No	
Facilities and Operations Management	Yes	No	
Cleaning, Security and Waste Services	Yes	No	
Concrete supply and batching	Yes	No	
Reservoir geomembrane lining supply	Yes	Yes	
Precast concrete supply	Yes	No	
Reinforced Materials supply	Yes	No	
Fencing supply and install	Yes	No	
Piping supply	Yes	No	
Passive and Active Anchors	Yes	No	
Tunnel steel lining	Yes	Yes	

Structural and reinforced Steel and mesh	Yes	Yes	
Explosives	Yes	No	
Electrical Cable (LV, MV and HV)	Yes	Yes	
Electrical switchgear (MW and HV)	Yes	Yes	
Electrical transmission towers	Yes	Yes	
Electrical protection equipment, combiner boxes, DC junctions	Yes	Yes	
Inverters	No	Yes	Bespoke electrical equipment that to date is not manufactured in Australia
Transformers	No	Yes	Bespoke electrical equipment that to date is not manufactured in Australia
Diesel	Yes	No	
Light Vehicles and Buses	Yes	No	
Heavy Construction Equipment	Yes	Yes	
Drilling and Piling Equipment	Yes	Yes	
Concrete Pumping	Yes	No	
Cranes, Lifts and Scaffolding	Yes	No	
Crushing and Screening	Yes	No	
Water Treatment Plant, Equipment, Systems	Yes	Yes	
Instruments, Analysers, Telemetry, Control Systems	Yes	Yes	
GIS station/equipment	Yes	Yes	
Environmental Monitoring Systems and Equipment	Yes	Yes	
Supervisory Control and Data Acquisition Systems	Yes	No	
Pump turbine generator units	Yes	Yes	
Pump stations (floating and onshore)	Yes	No	
Tunnelling, Drilling and Underground Works	Yes	Yes	
Tree Clearing	Yes	No	
Civil engineering structures including bulk earthworks and road construction	Yes	No	
Piling	Yes	Yes	
High and Low Voltage Works	Yes	Yes	
Utilities Relocation, Installation and Commissioning	Yes	No	
Electrical Installation and Services	Yes	Yes	
OEM Pump Turbine Equipment Installation and Services	Yes	Yes	
Dry Hire Plant	Yes	No	
Low Voltage Maintenance and Repairs	Yes	No	
High Voltage Maintenance and Repairs	Yes	No	
Specialist Plant Maintenance and Repairs	Yes	No	
Engineering Design	Yes	Yes	
Surveying	Yes	No	
Geotechnical Investigations, Engineering and Testing	Yes	No	
Labour Hire- Trades	Yes	No	
Transportation and Logistics Services	Yes	No	
Landscaping, Fencing, Clearing and Remediation Services	Yes	No	
Remote Communications Services and Systems	Yes	No	
Testing and Commissioning Services	Yes	Yes	

Owner's Engineer / Contract Management Services	Yes	Yes
EPC Contractor	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 Vishal Srivastava
Contact person position Project Director
Phone number 0427202312
E-mail vishal.srivastava@acenrenewables.com.au

Project proponent website: <https://acenrenewables.com.au/project/phoenix-pumped-hydro/>

Project opportunities website:

Supplier engagement and communication actions :

- Engage with vendor identification agencies on project opportunities and bid processes
- 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:

- 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

Feedback process for unsuccessful bidders:

Australian Industry Participation Plan Summary - Operations Phase

Nominated facility operator: ACEN PHOENIX PTY LTD

Facility details

Name: Phoenix Pumped Hydro

Location: 35km west of Mudgee, near Lake Burrendong, 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 Vishal Srivastava
Contact person position Project Director
Phone number 0427202312
E-mail vishal.srivastava@acenrenewables.com.au

Facility operator website: <https://acenrenewables.com.au/project/phenix-pumped-hydro/>

Facility opportunities website:

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