



Australian Industry
Participation Authority

Australian Jobs Act 2013

AIP Plan reference code:

Australian Industry Participation Plan Summary - Project Phase

Nominated project proponent: ILUKA RARE EARTHS PTY LTD

Project details

Name: Eneabba Rare Earth Refinery

Location: Eneabba WA 6518

Type: Other productive facility

Purpose: Establish new facility

Capital expenditure: \$ 1,200,000,000

Description: The Eneabba Rare Earths Refinery Project (the Project) will establish a fully integrated, multi-decade refinery for the production of separated rare earth oxides which are critical inputs for a range of industries and technologies for global electrification. The Project builds on existing screening (Phase 1) and concentrating (Phase 2) plant and infrastructure. The Project (Phase 3) downstream processing infrastructure will consist of: - concentrate feed system and acid mixing and roasting kiln, - hydrometallurgical leaching purification facility, - solvent extraction, separation facility, - product precipitation, drying and calcining, - packaging facility, - waste management systems, - infrastructure, including buildings, roads, camp and reagent facilities. Construction will commence in the second half of 2022 with an estimated construction workforce of 300, with operations expected to commence in 2025, employing approximately 270 people. The Project is employing an Engineering, Procurement and Construction Management (EPCM) project delivery strategy.

Completion date: 30 Sep 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
Engineering, Procurement and Construction Management (EPCM) services	Yes	No	
Catering	Yes	No	
Camp facilities	Yes	Yes	
Earthworks	Yes	No	
Utilities	Yes	No	
Process engineering	Yes	Yes	
Waste management	Yes	No	
Vehicles	Yes	No	
Plant piloting	Yes	Yes	
Concentrate Grinding	Yes	Yes	
Roasting Kiln	Yes	Yes	
Acid Recovery	Yes	Yes	
Counter Current Decantation	Yes	Yes	
Purification Filtration	Yes	Yes	
Solvent Extraction Circuits	Yes	Yes	
Magnesia Recovery (inc. Sulphate Waste)	Yes	Yes	
Ultrafiltration	Yes	Yes	
Ammonia Stripper	Yes	Yes	
RE Filtration	Yes	Yes	
RE Calcining	Yes	Yes	
Ammonium Nitrate	Yes	Yes	
Steam and Condensate	Yes	Yes	
Cooling Water	Yes	Yes	
Laboratory	Yes	Yes	
Lime	Yes	Yes	
CO2 Absorber and Active Carbon Columns	Yes	Yes	
DCS Hardware and Software	Yes	No	
Feeders - Screw, Weigh	Yes	No	
Filters - Belt, Polishing, Product, Finishing, Gland Water, Pressure	Yes	Yes	
Mixers - Acid, Inline	Yes	Yes	
Samplers	Yes	Yes	
Switchrooms – Transportable	Yes	No	
Tanks - Carbon Steel, Diesel Storage, FRP, HDPE, Stainless Steel	Yes	Yes	
VSD's & MCC's	Yes	No	
Agitators	No	Yes	Due to specialised nature of equipment
Ammonia Storage	Yes	Yes	
Bagging Plant	Yes	Yes	
Centrifugal Fans	Yes	Yes	
Compressed Air	Yes	Yes	
Conveyors - Pneumatic, Elevators	To be confirmed	Yes	Australian entities may not be available due to specialised nature of equipment
Fire Water	Yes	No	
Flocculant Mixing	Yes	Yes	
Hoists & Cranes	Yes	Yes	
Lime Slaking	Yes	Yes	
Pumps - Centrifugal Slurry, Sump, Positive Displacement	Yes	Yes	
Reverse Osmosis	Yes	No	
Instrumentation	Yes	No	
Switchgear – HV	Yes	No	
Transformers	Yes	No	
Valves - Manual, Control, Rotary	Yes	Yes	

Cable – HV	Yes	Yes
Pipe and Fittings - Carbon Steel, FRP, HDPE, Stainless Steel, Rubber Lined	Yes	Yes
Diesel Generators	Yes	No
Fasteners - Stud Bolts, Gaskets, Pipe Supports	Yes	No
Safety Showers	Yes	No
Temporary Construction Facilities	Yes	No
Tailing Storage Facility	Yes	No
Civils	Yes	No
Concrete Batch Plant	Yes	No
Concrete Installation	Yes	No
HV Power Overhead Line	Yes	No
IT Supply & Installation	Yes	No
Miscellaneous Works & Maintenance	Yes	No
Non-Process Infrastructure	Yes	No
Fire and Gas Detection Systems	Yes	No
Gas Pipeline	Yes	No

*

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 Ralph Goodman
Contact person position Contracts Manager
Phone number 0893604700
E-mail Ralph.Goodman@iluka.com

Project proponent website: <https://iluka.com/operations-resource-development/resource-development/eneabba/>

Project opportunities website: EPCM Project website <https://erer.fluor.com/> is available with a link to the website from <https://iluka.com/community-engagement/eneabba/>. The EPCM Project website is also available via the EPCM website <https://www.fluor.com/projects/iluka-rare-earths>

EPCM contract officer details: The EPCM has separate contact officer roles for Procurement and Contracts.

Procurement contracts contact:

David Morgan – Project Procurement Manager

david.a.morgan@fluor.com

+61 (0) 404 238 144

Contracts contact:

George Koch

george.koch@fluor.com

+61 (0) 448 231 448

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
- Develop and distribute a supplier information guide for the project

Building Australian industry capability

Supplier capability development actions:

- Recommend suppliers undertake training and/or accreditation
- Encourage joint ventures and alliances between suppliers

Global supply chain integration actions:

- Support suppliers to register with global supplier databases
- Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

Unsuccessful tenderers for major contracts will be offered verbal feedback either by the EPCM or Iluka. Compliance by procurement entities will be maintained through standing agenda items in the Project's ongoing EPCM meetings.

Australian Industry Participation Plan Summary - Operations Phase

Nominated facility operator: Iluka Rare Earths Pty Ltd

Facility details

Name: Eneabba Rare Earth Refinery

Location: Eneabba WA 6518

Type: Other productive 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
Reagents	Yes	Yes	
Transport	Yes	Yes	
Maintenance	Yes	No	
Cleaning & catering	Yes	No	
Vehicles	Yes	No	
Security	Yes	No	

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

Facility standards:

- Australian
- International

Supplier information and communication

Facility operator's contact person for supplier enquiries:

Contact person name Ralph Goodman
Contact person position Contracts Manager
Phone number 0893604700
E-mail Ralph.Goodman@iluka.com

Facility operator website: www.iluka.com/engage/eneabba

Facility opportunities website: www.iluka.com/engage/eneabba

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
- Develop and distribute a supplier information guide for the project

Building Australian industry capability

Supplier capability development actions:

- Encourage joint ventures and alliances between suppliers
- Support supplier development initiatives of industry associations or governments

Global supply chain integration actions:

- Support suppliers to register with global supplier databases
- Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

Unsuccessful tenderers for major contracts will be offered verbal feedback either by the procurement entity or Iluka.