



Brownfield Expansion Project (BFX)

Olympic Dam Projects – Expression of Interest

Project Overview: The proposed BFX Project is to deliver a brown field expansion of its underground and surface operations to deliver increased throughput of the existing plant and increasing overall copper production capacity.

Package Title: **Electro-Refinery Dynamic Model**

Reference: BFX-SPS–127

Package Description: BHP is seeking expressions of interest (EOI) from contractors capable of providing modelling services to create a detailed (to individual machine movements level) dynamic model of the Electro-Refinery process. The dynamic model will be used to identify constraints within the process.

Details on your organisational capacity, capability, and experience in delivering such services safely will be used to form a shortlist for tender.

Scope Overview: The successful contractor, selected at the conclusion of this EOI and subsequent tender, will be capable of:

- Allocation of appropriately skilled and qualified personnel, including but not limited to the following capabilities :
 - o AnyLogic modelling experts with deep experience in industrial and mining process modelling.
 - o Project Management
- Management of the Contractor team including subcontractors and sub-consultancies
- Engaging with and working together with the client to document the basis of model and then complete detailed validation works of the model.
- Development of a detailed dynamic model in AnyLogic incorporating equipment availability and utilisation data, operating constraints and modelling individual machine and material movements.
- Preparation of a detailed study report.
- Maintaining client confidentiality and information security.

The contractor will be required to deliver the following:

- A detailed dynamic model of the existing and new Electro-Refinery process in AnyLogic software.
- Routine reports on progress, cost and schedule.
- A final detailed study report.

At all times during the delivery of the services the contractor will be expected to adhere to BHP safety policies and standards including participation in BHP's field leadership program.

Target Award Date: Q4 CY 2018

Expression of Interest (EOI): Suppliers are invited to express an interest in this scope of work by registering on the ICN Gateway online platform. Please ensure that your ICN Gateway company profile is up to date before registering your EOI.

Contact: Industry Capability Network of South Australia. (+618) 8429 3376

Project URL's: For more information about BHP please refer to the company website
www.bhp.com

For information on specific project opportunities please visit the ICN Gateway online platform at www.gateway.icn.org.au.

Disclaimer: This package description and target award date is indicative only and subject to change. It is intended to provide only a brief outline of certain works that may be required for the proposed BFX Project and should be read in conjunction with the BFX project description on ICN Gateway.