



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: **Site Test Work – Bismuth / Antimony Removal System**

Reference: BFX-SPS-078 / SOW ref: BHPBOD-U200O000030-SPS-SWE-0041

Package Description:

BHP is seeking expressions of interest (EOI) from contractors capable of providing the service of providing a full scale operating bismuth and antimony removal system. This is an opportunity for such companies to operate a Bismuth Antimony Removal system (BARS) pilot plant on the OD remote site, perform laboratory testing (preferably using atomic absorption spectrophotometry), and the provision of an interpretative report based on these results. This would feed into the performance guarantee for the operation of the full scale system, as well as to provide Definition Phase Study (DPS) level of operating and capital cost estimates.

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:

- Providing a proven system (or technology) to remove bismuth and antimony at full scale, as well as delivering this pilot plant to Olympic Dam
- Operating pilot plant program for approx. 40 complete loading cycles utilising copper electrolyte collected onsite
- Providing guidance and/or performing laboratory testing to evaluate performance of proposed system.
- Preparing an interpretative report, including calculations, drawings etc. based on the findings and results of pilot plant program and laboratory results.
- Prepare a proposal and quotation for a full-scale system

The contractor will be required to deliver the following:

- Operate BARS pilot plant with feed sample from copper electrolyte;
- Confirm operating conditions and performance of pilot plant is able to meet a target of refinery bleed to tails leach has less than 50mg/L of Bi and 50mg/L Sb;
- Handling, storage and transport of all equipment required;
- Laboratory testing including:
 - Preparation of samples to submitted to OD laboratory; and
- Produce a final interpretive 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 BHPs 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.