



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:	Professional Services
Reference:	BFX-SPS-152 Grinding Circuit Modelling/Simulations
Package Description:	<p>BHP is seeking expressions of interest (EOI) from contractors capable of completing detailed data analysis and simulations of the Olympic Dam comminution circuit with a view to selecting the optimal circuit configuration for the expanded plant. The services will include the following;</p> <ul style="list-style-type: none">- Review available comminution geo-metallurgical data to identify gaps in simulating alternative circuit configurations.- Review engineering trade off studies completed to date.- Detailed planning of site sampling campaign around the existing comminution circuit to collect required operating and laboratory data to model and simulate alternative circuit configurations.- Attend site to supervise data collection and analyse plant operating data.- Develop mass balance around alternative circuit options- Estimate sizing of required equipment to achieve alternative circuit mass balance options to a high level of accuracy (+/-15%). <p>Details on your organisational capacity, capability, and experience in delivering such services safely will be used to form a shortlist for tender.</p>
Scope Overview:	<p>The successful contractor, selected at the conclusion of this EOI and subsequent tender, will be capable of:</p> <ul style="list-style-type: none">- Allocation of appropriately skilled and qualified personnel, including but not limited to the following capabilities :<ul style="list-style-type: none">o Metallurgical and Process Engineering.o Comminution circuit mass balance development.o Computer modelling and simulations of alternative circuit configurations using recognised and accepted industry software packages.o Selecting appropriately sized equipment to deliver synchronised operability to enhance utilisation of selected equipment capacity.o Apply particle breakage data to supplement power based comminution models.- Management of the Contractor team including subcontractors and sub-consultancies- Execution of the study scope within the approved budget and delivery schedule.- Preparation of a study deliverables and a detailed study report.- Technical writing of reports, scopes of work and other documents as required.- Maintaining client confidentiality and information security.

	<p>The contractor will be required to deliver the following:</p> <ul style="list-style-type: none"> - Development of detailed study reports, recommendations, engineering calculations, engineering drawings. - Flow diagrams for selected options. - Mass balance for selected options. - Facilitation of risk reviews, design reviews. - A final updated study report(s). <p>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.</p>
<p>Target Award Date:</p> <p>Expression of Interest (EOI):</p> <p>Contact:</p> <p>Project URL's:</p> <p>Disclaimer:</p>	<p>Q4 CY 2018</p> <p>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.</p> <p>Industry Capability Network of South Australia. (+618) 8429 3376</p> <p>For more information about BHP please refer to the company website www.bhp.com</p> <p>For information on specific project opportunities please visit the ICN Gateway online platform at www.gateway.icn.org.au.</p> <p>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.</p>