



## 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:** **Geotechnical Investigation**

**Reference:** BFX-SPS-028

**Package Description:** BHP is seeking expressions of interest (EOI) from contractors capable of providing geotechnical engineering services including remote onsite drilling and coring, laboratory testing of soil and rock samples and the provision of an interpretative geotechnical report based on results from laboratory testing.

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:

- Performing onsite drilling and coring works;
- Handling and transporting soil, core and rock samples between Olympic Dam and the laboratory where sample testing will be performed;
- Performing geotechnical laboratory testing of soil samples and rock cores; and
- Preparing an interpretative report, including calculations, drawings etc. based on the findings and results of onsite and laboratory work.

The contractor will be required to deliver the following:

- 50 boreholes between 3m and 15m in depth;
- 50 test pits to a maximum of 3m in depth;
- HQ coring, standard penetration tests, pressure meter testing, cross hole or down hole seismic testing and electrical resistivity testing;
- Handling, storage and transport of all samples as required;
- Laboratory testing including:
  - Atterberg Limits, Linear Shrinkage, Moisture Content
  - Particle Size Distribution
  - Emerson Class
  - Shrink Swell
  - Californian Bearing Ratio
  - Compaction
  - Direct Shear
  - CU Triaxial Shear
  - Oedometer
  - Point Load Index
  - Unconfined Compressive Strength
  - Soil Aggressivity (pH, sulphate, chloride, conductivity); and
- A geotechnical interpretative 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:** Q3 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](http://www.bhp.com)

For information on specific project opportunities please visit the ICN Gateway online platform at [www.gateway.icn.org.au](http://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.