

Surface Infrastructure - Civil, SMP and ECI Install (C003-B)

This package is for the Civil, Structural, Mechanical and Piping (SMP) and Electrical, Control & Instrumentation (ECI) installation for the surface infrastructure for the OZ Minerals Prominent Hill PHOX shaft sink project. The successful contractor will be required to supply all management, labour, supervision, equipment, services and minor materials, other than free issue materials for all surface construction, installation, temporary works, commissioning and acceptance testing of the project's surface plant and equipment. This package of work will require a significant level of prior experience in mine site installation and commissioning works.

Whilst the final scope is still to be determined the below works are likely to be installed under this package:

WBS 1330 – Shaft Collar

- *Local water, power and communications services.*

WBS 1340 – Headframe and Skyshaft:

- *Skyshaft steelwork;*
- *Skyshaft skip tipping mechanism;*
- *Skyshaft ore bin;*
- *Skyshaft apron feeder, feed hopper and discharge chute;*
- *Skyshaft fixed guides;*
- *Skyshaft overwind protection;*
- *Skyshaft guide rope tensioning system;*
- *Skyshaft bridle and skip lifting system;*
- *Access platforms and stairs, and*
- *Local water, power and communications services.*

WBS 1350 – Winder Building and Hoist:

- *Winder building structure;*
- *Winder foundations and anchorage system;*
- *Winder building maintenance davit cranes;*
- *Friction hoisting system including electrical infrastructure:*
- *Winder conveyances;*
- *Winder head ropes, tail ropes and attachments, and*
- *Supporting infrastructure including:*
- *Civil foundations,*
- *Structural steelwork and access platforms,*
- *LV services and auxiliary drives,*
- *CCTV cameras, and*
- *Local raw water and air services.*

WBS 1340 – Headframe and Skyshaft:

- *Instrumentation and local power and communications services where it relates to the Surface Materials Handling System in the Headframe and Skyshaft area.*

WBS 1360 – Surface Materials Handling

- *Skyshaft transfer conveyor and associated equipment;*
- *Metal detector;*
- *Conveyor belt weigher;*
- *Overland conveyor and associated equipment;*
- *Bypass bunker and associated equipment ;*
- *New stockpile conveyor and associated equipment;*
- *Support infrastructure including:*
- *Civil foundations,*
- *Structural steelwork and access platforms,*
- *Lining systems for bins and chutes,*
- *LV services and auxiliary drives,*
- *CCTV cameras, and*
- *Local raw water and air services.*

WBS 4110 – Raw Water Supply

- *Surface Raw Water Distribution System.*

WBS 4120 – Potable Water Supply

- *Surface Potable Water Distribution System.*

WBS 4150 – Fire Water System

- *Surface Fire Water Distribution System.*

WBS 4270 – High Voltage (HV) Distribution

- *Surface HV distribution inclusive of:*
 - *Distribution cabling from the site main 11kV Switchboard to new switchrooms located adjacent to the associated infrastructure.*
 - *Upgrades to the Main 11kV Switchyard / Switchroom / Switchboard to facilitate supply to new infrastructure.*