



Underground Crusher & Handling

PROJECT DETAILS

Centrals Scope of Works is the civil works associated with the installation of a new Primary Crusher & associated fixed underground infrastructure in the Ernest Henry Underground Mine.

The civil works scope generally includes the supply and installation of all concrete works including minor excavation, preparation, formwork, reinforcement, embedment's inc. conduits, slabs, plinths, footings, pedestals, walls, beams, foundations, rock anchors and rock bolts.

The project includes the following scope of works:

- » Mobilisation to site including completion of all necessary inductions for personnel, establishment of all construction plant, equipment, buildings, facilities and personnel necessary for the performance of the Works.
- » Setting out and survey control of the Work from permanent survey marks established by the Principal
- » Control and removal of ground and other water into the work area up to a maximum of 20 litres per second
- » Secondary ventilation within the construction area
- » Design and installation of temporary works as required i.e. formwork
- » Crange and transportation of civil associated materials from laydown yards to the construction fronts;
- » Scratch back and 'Blow-off' of the floor areas back to rock, as per the Principal's procedures and disposal of excavated materials as directed by the Principal
- » Blinding & mass fill concrete placement to prepared surface
- » Supply & installation of formwork & reinforcement for ground slabs, foundations, walls, pedestals, beams, suspended slabs etc
- » Installation of Principal supplied embedded steelwork including cast in rails, cast in plates, sleeves, spools & conduits as detailed on the IFC drawings
- » Supply & installation of hold down bolts, earth bonds and other miscellaneous embedment items not supplied by Principal
- » Installation & testing rock bolts, ground anchors
- » Access provision via scaffold, mobile platforms etc
- » Placement of Principal supplied concrete at work front (chute / line pump etc)
- » Testing inc. concrete testing & hydrostatic testing of horizontal dams

Client: Ernest Henry Mining / Glencore (formerly Xstrata)

Location: Cloncurry, QLD

Duration: 30 weeks

Completion: February 2014

Value: \$10m estimated



PROJECT HIGHLIGHTS

Personnel on Site: 72

Manhours: 48,000

Concrete: 5,000m³