

# Havieron Underground Mine Project

## Proposal Content Document

**Table 1:** General proposal content description

<b>Proposal title</b>	Havieron Underground Mine Project
<b>Proponent name</b>	Newcrest Operations Limited
<b>Short description</b>	The Project involves the development and operation of an underground mine with transport of ore to Telfer Gold Mine for processing.

**Table 2:** Proposal content elements

<b>Proposal element</b>	<b>Location / description</b>	<b>Maximum extent, capacity or range</b>
<b>Physical elements</b>		
Mine elements including: <ul style="list-style-type: none"><li>• Box cut and decline;</li><li>• Waste rock landform;</li><li>• Haul and access roads; and</li><li>• Supporting infrastructure.</li></ul>	Figure 2-1	530 ha of new disturbance and use of 200 ha of currently approved disturbance.
Infrastructure corridor including: <ul style="list-style-type: none"><li>• Haul road;</li><li>• Power and water corridor; and</li><li>• Borrow pits.</li></ul>	Figure 2-2	
<b>Operational elements</b>		
Groundwater abstraction for water supply and mine dewatering	Figure 2-1	Up to 2 gigalitres per annum
Evaporation pond capacity	Figure 2-1	Additional evaporation pond capacity of 150,000 m <sup>3</sup>
Waste rock landform height	Figure 2-1	Maximum height of 20 m

<b>Greenhouse gas emissions</b>		
Annual average life of mine		
Scope 1	Diesel consumption and clearing: 31,800 t CO <sub>2</sub> -e	
Scope 2	Electricity purchase: 73,100 t CO <sub>2</sub> -e	
Total (based on annual average Scope 1 and Scope 2 emissions with a 12 year life of mine)		
1,259,000 t CO <sub>2</sub> -e		
<b>Rehabilitation</b>		
Rehabilitation of the waste rock landform will be undertaken progressively and will be comparable in height to local landforms (sand dunes). The remainder of the site will undergo decommissioning and rehabilitation within two years of the cessation of mining.		
<b>Other elements which affect extent of effects on the environment</b>		
Proposal time	Maximum project life	12 years