



OZ MINERALS' CARRAPATEENA PROJECT

Expressions of Interest

Battery Electric 4x4 Light Vehicle for Underground Mining

1.0 Introduction

1.1 Intent

OZ Minerals is moving towards the implementation of electrification of its activities at mine sites, including the removal of diesel equipment as part of a move towards renewable energy. As part of the electrification and renewable energy opportunity roadmap, OZ Minerals seeks to evaluate the use of battery electric equipment within mining operations at Carrapateena, starting with light vehicle fleet.

OZ Minerals issues this Expressions of Interest (**EOI**) document to seek market interest from suitably qualified and experienced suppliers of electric light vehicles to participate in a Tender Process to be conducted by OZ Minerals in due course. Proponents seeking to participate in the tender process shall express its interest by submitting a capability statement and additional supporting information in response to this EOI.

1.2 Site Background

Located in South Australia on the eastern margin of the Gawler Craton, approximately 160 km north of Port Augusta, the Carrapateena Project is a significant global copper resource and the largest undeveloped copper project in Australia. The mine will be operating at a maximum depth of 1400 metres from surface, with maximum air temperatures reaching 50 degrees Celsius. Underground access is via decline ramp with a grade of 7:1 (approximately 14%).

1.3 Site Location and Access

The turn off to the Carrapateena Site (**Site**) is 75 km north of Port Augusta along the Stuart Highway. The site is accessed via an unsealed road, approximately 90 km from the Stuart Highway. Site vehicles must be equipped with 4WD to ensure all-weather access. Figure 1 shows the location of the site at approximately 160 km north from the regional centre of Port Augusta.

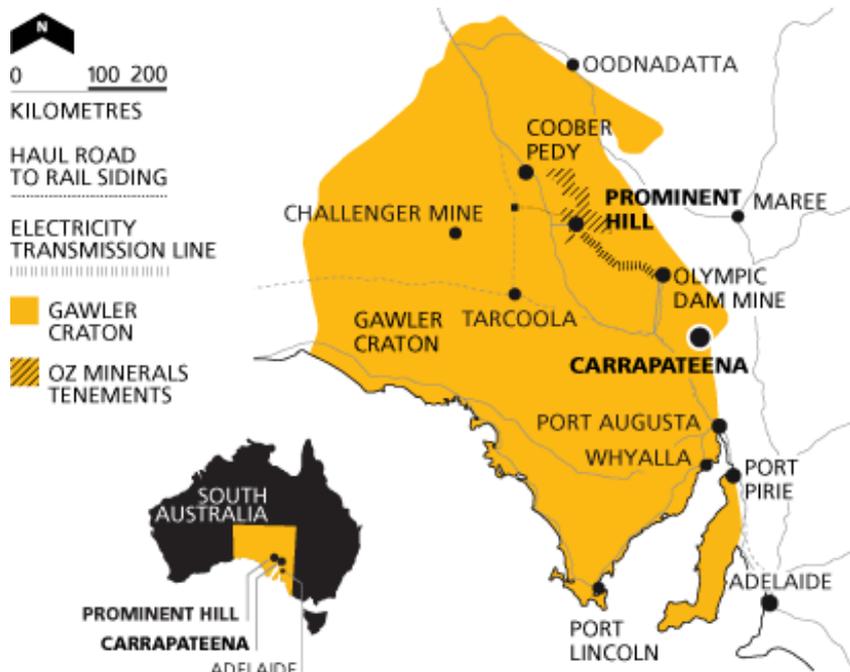


Figure 1: Carrapateena Project Location

2.0 Electric Light Vehicles (ELVs)

The supply of 4x4 electric light vehicles (**ELV**) and charging stations that can operate in an underground mining environment. Conditions include rough unfinished roadways, corrosive water (containing sulphides and salts), average decline grades of 1:7 (14%) and up to 1:5 (20%), transportation of personnel and materials, and high ambient air temperatures (up to 50 degrees Celsius).

The following minimum standard must be met (please indicate any areas which are either not applicable or cannot be met with current offerings):

- Compliance
 - Roadworthy
 - Australian Design Rules (**ADR**) compliant
 - Prestart checklist book
- Engine
 - Battery electric
- Transmission
 - 4WD
- Impact Protection
 - ANCAP 5-star (Australasian New Car Assessment Program, manufactured after 2019)
 - Bullbar
 - Reversing alarm (auto engaged in reverse gear)
 - Reversing camera (where rear vision is obstructed)
- Load Restraint
 - Cargo barrier
- Occupant Restraint
 - Seatbelts for all occupants
 - Front facing seats only
- Visibility
 - White or high visibility colour
 - Reflective tape
 - Fluorescent orange
 - 50 mm sides and rear
 - Amber revolving beacon/LED ACX2375 (2700 mm height)
 - Rear lights (independently switched)
 - Auto headlights on
 - Mine light bar
 - Equivalent to Narva 85072B
 - Fitted with rear 1800 lumen spotlights x 2
- Identification
 - Area Sticker (specifies where vehicle is approved to be used)
 - Identification sign
 - Legible from 50 metres
 - Class 1 reflectivity
 - Both sides of vehicle
 - Sign – yellow background, 400 mm H x 570 mm W
 - Text – black text, 265 mm H x 50 mm W