

REQUEST FOR SPECIALIST SERVICES AND TERMS OF REFERENCE

Environmental Basic Assessment for the upgrade of the National Route 6, section 4, south of and at Penhoek Pass between kilometres 52.0 and 66.2

Specialist heritage studies are requested for mining and environmental permitting associated with the rehabilitation of the N6-4 Penhoek Pass. Specialists will be appointed as sub-consultants by GIBB. Detailed proposals should be **submitted by** no later than **12:00 on Friday 27 January 2012** to Pat Jennings on pjennings@gibb.co.za.

Project Background:

GIBB have been appointed by SANRAL through Worley Parsons to undertake the necessary permit applications for the rehabilitation of approximately 14 km of the N6, section 4, Penhoek Pass. The undertaking of a basic assessment process in support of applications for environmental authorisation is required, as well as preparation of environmental management plans for borrow pit and quarries.

The proposed engineering works for the Penhoek Pass rehabilitation entail the widening of the Pass by approximately 5 m to extend the climbing lane the full length of the pass, the widening of stormwater structures and rehabilitation of the roadway approaching the pass.

Specialist Studies Required:

The Department of Mineral Resources has a standard requirement that phase 1 heritage impact studies, i.e. archaeological and palaeontological studies, be undertaken in support of every application for a mining permit or right. In addition, section 24(4)(b)(iii) of the National Environmental Management Act (Act No. 107 of 1989) requires that applications for environmental authorisation must, where applicable, include assessment of the impacts of a proposed listed activity on any national estate referred to in section 3(2)(a)-(i)(v) of the National Heritage Resources Act (Act No. 25 of 1999).

Archaeological Study:

A phase one archaeological impact assessment is to be undertaken and must address the following:

- Assess each borrow pit and quarry site identified by the project engineers. On Penhoek Pass 1 borrow pit and 1 hard rock quarry have been identified by the engineers.
- Areas where passing lanes are to be constructed must be assessed to determine whether any heritage resource buffer is likely to be affected or encroached upon as a result of the road widening
- Include recommendations for the conservation of identified heritage resources

The study and the resultant report must fulfil the requirements of SAHRA, the National Heritage Resources Act and its regulations. To the extent that the study is required to support the application for environmental authorisation, the report must also fulfil the requirements of section 32(3) of the National Environmental Management Act Environmental Impact Assessment Regulations, 2010 (GN

R543 of 18 June 2010). In this regard the specialist will be required to sign a declaration of independence.

Palaeontological Study:

A phase one palaeontological impact assessment is to be undertaken and must address the following:

- Assess each borrow pit and quarry site identified by the project engineers. On Penhoek Pass 1 borrow pit and 1 hard rock quarry have been identified by the engineers
- Assess those areas where passing lanes are to be constructed to determine whether any heritage resource is likely to be affected as a result of the road widening
- Include recommendations for the conservation of identified heritage resources

The study and the resultant report must fulfil the requirements of SAHRA, the National Heritage Resources Act and its regulations. To the extent that the study is required to support the application for environmental authorisation, the report must also fulfil the requirements of section 32(3) of the National Environmental Management Act Environmental Impact Assessment Regulations, 2010 (GN R543 of 18 June 2010). In this regard the specialist will be required to sign a declaration of independence.

GIBB will provide detailed locality maps, GPS co-ordinates for each borrow pit or quarry locality, and technical descriptions of the project components.