

Annex B
(continued)

4 Physical environment

4.1 Water streams rivers dams wetlands springs floodplains OTHER

Present condition

N/A

Potential impact (e.g. threat of pollution)

N/A

4.2 Soil sandy rocky clayey OTHER

Present condition

GOOD

Potential impact (e.g. of erosion)

None

4.3 Topography mountains ridges hills valleys ravines dongas OTHER

Present condition

Good

Potential impact (e.g. of erosion)

None

Comments/mitigating measures

N/A

Annex B
(continued)

5 Natural environment

5.1 Flora indigenous protected exotic OTHER

Brief description and conservation status (e.g. rare, etc., mention trees/bush/grass)

Potential impact (e.g. permit applications)

5.2 Fauna mammals birds OTHER

Brief description and conservation status

(e.g. rare, protected, etc., mention giraffe, elephants, eagles, vultures etc., mention migratory paths)

Potential impact (e.g. threat of electrocution, collision, etc)

Comments/mitigating measures

6 Social environment

6.1 Restricted areas nature/game reserves hiking trails tourism routes parks recreational areas
Residential-areas green belts sacred/holy grounds OTHER

Brief description

Annex B
(continued)

Potential impact e.g. threat of encroachment, etc

6.2 Visual aesthetics: easily seen, hidden, partially

Brief description: overhead line runs along the road towards the top of the mountain.

Potential impact: None

6.3 Natural heritage: cultural significance, archaeological objects, monuments, palaeontological objects, graves, meteorites, ruins, OTHER

Note: Should any natural heritage resource as listed above, or as defined in the National Heritage Resource Act, No 25 of 1999 be identified the requirements of Act 25 of 1999 shall be followed by notifying the SAHRA. If line or access road length exceeds 300m SAHRA shall be notified.

Potential impact: exceeds 300m

Comments/mitigating measures: Notify SAHRA

7 Economic environment

7.1 Land use: crops, orchards, grazing, crop spraying, game farming, forestry areas, mining, OTHER

Brief description: Iron ore mine.

Annex B
(continued)

Potential impact

None

7.1.1 Commercial

factories

shops

OTHER

Brief description

Potential impact

7.1.2 Infrastructure

roads

railways

communications

power lines

all fields

pipelines

sewage

OTHER

Brief description

All marked services are
already existing in the area.

Potential impact

Partial.

Comments/mitigating measures

None.

Annex B
(continued)

What impact will this project have on elements 4 to 7?

1 Physical

No impact (0) Medium impact (2) High impact (4)

2 Natural

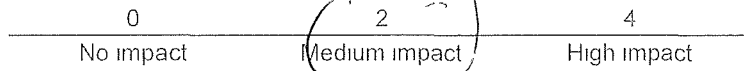
No impact (0) Medium impact (2) High impact (4)

3 Social

No impact (0) Medium impact (2) High impact (4)

Overall impact

This section addresses the overall environmental impact of the project. The impacts as assessed in the above three spheres (physical, natural and social) need to be considered to determine the overall impact.



If the overall impact is between 2 and 4, contact the Environmental Management Officer or the Environmental Senior Superintendent

Alternatives

Have alternative routes been discussed with the relevant land owner/s or users?

Yes _____
No _____

Detailed study

Is an *environmental assessment* required in terms of Regulation R543?

Yes _____
No _____

Should a permit application be made to DWA?

Yes _____
No _____

Should the SAHRA be notified?

Yes _____
No _____