

## ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, herewith please receive an environmental impact statement that summarises the impact that the proposed activity may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

<b><u>ENVIRONMENTAL IMPACT STATEMENT</u></b>			
<b>SITE ALTERNATIVE 1</b>			
<b><u>TYPE OF IMPACT</u></b>	<b><u>DURATION</u></b>	<b><u>LIKELIHOOD</u></b>	<b><u>SIGNIFICANCE</u></b>
<u>Stripping and Stockpiling of Topsoil:</u> <ul style="list-style-type: none"> <li>Visual intrusion associated with the establishment of the mining area</li> <li>Impact on archaeological and heritage artefacts.</li> <li>Dust nuisance caused by disturbance of soil,</li> <li>Noise nuisance caused by machinery stripping and stockpiling the topsoil,</li> <li>Infestation of the topsoil heaps by weeds and invader plants,</li> <li>Loss of topsoil due to incorrect storm water management,</li> <li>Contamination of area with hydrocarbons or hazardous waste materials.</li> </ul>	<b>Duration of site establishment phase (&lt;1 month)</b>	<b>Low Possibility</b>  <b>Possible</b>  <b>Possible</b> <b>Low Possibility</b>  <b>Low Possibility</b>  <b>Low Possibility</b>	<b>Low-Medium Concern</b>  <b>Low – Medium Concern</b>  <b>Low – Medium Concern</b> <b>Low Concern</b>  <b>Low Concern</b>  <b>Low – Medium Concern</b>  <b>Low – Medium Concern</b>
<u>Blasting</u> <ul style="list-style-type: none"> <li>Health and safety risk posed by blasting activities</li> <li>Dust nuisance caused by blasting activities</li> <li>Noise nuisance caused by blasting activities</li> </ul>	<b>Duration of operational phase (5 years maximum)</b>	<b>Low Possibility</b>  Low Possibility  Low Possibility	<b>Low – Medium Concern</b>  <b>Low – Medium Concern</b>  <b>Low – Medium Concern</b>
<u>Excavation</u> <ul style="list-style-type: none"> <li>Visual intrusion associated with the excavation activities</li> <li>Dust nuisance due to excavation activities</li> <li>Noise nuisance generated by excavation equipment</li> </ul>	<b>Duration of operational phase (5 years maximum)</b>	<b>Low Possibility</b>  <b>Low Possibility</b> <b>Low Possibility</b>  <b>Low Possibility</b>	<b>Low – Medium Concern</b>  <b>Low – Medium Concern</b> <b>Low – Medium Concern</b>  <b>Low Concern</b>

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### SITE ALTERNATIVE 1

<ul style="list-style-type: none"> <li>Contamination of surface or groundwater due to effluent runoff from excavation area</li> <li>Unsafe working conditions for employees</li> <li>Negative impact on the fauna and flora of the area</li> <li>Contamination of area with hydrocarbons or hazardous waste materials</li> <li>Weed and invader plant infestation of the area</li> </ul>		<p><b>Low Possibility</b> <b>Low Possibility</b></p> <p><b>Low Possibility</b></p> <p><b>Low Possibility</b></p>	<p><b>Low – Medium Concern</b> <b>Low Concern</b></p> <p><b>Low - Medium Concern</b></p> <p><b>Low – Medium Concern</b></p>
<p><u>Crushing and Screening of Stockpiled Rock/Stone::</u></p> <ul style="list-style-type: none"> <li>Visual intrusion associated with the crushing and screening activities,</li> <li>Dust nuisance due to crushing activities,</li> <li>Noise nuisance generated by crushing activities,</li> <li>Contamination of area with hydrocarbons or hazardous waste materials,</li> <li>Weeds an invader plant infestation of the area.</li> </ul>	<p><b>Duration of operational phase</b> <b>(5 years maximum)</b></p>	<p><b>Definite</b></p> <p><b>Low Possibility</b> <b>Possible</b></p> <p><b>Low Possibility</b></p> <p><b>Low Possibility</b></p>	<p><b>Medium Concern</b></p> <p><b>Low Concern</b> <b>Low-Medium Concern</b></p> <p><b>Low Concern</b></p> <p><b>Low Concern</b></p>
<p><u>Loading and Transporting::</u></p> <ul style="list-style-type: none"> <li>Dust nuisance due to vehicles transporting the material,</li> <li>Impact on the access roads,</li> <li>Contamination of area with hydrocarbons or hazardous waste materials.</li> </ul>	<p><b>Duration of site establishment phase</b> <b>(&lt;1 – 3 month)</b></p>	<p><b>Possible</b></p> <p><b>Low Possibility</b></p> <p><b>Low Possibility</b></p>	<p><b>Low – Medium Concern</b></p> <p><b>Low-Medium Concern</b></p> <p><b>Low Concern</b></p>
<p><u>Sloping and Landscaping upon Closure of the Site:</u></p> <ul style="list-style-type: none"> <li>Soil erosion,</li> <li>Dust nuisance caused during landscaping activities,</li> <li>Noise nuisance caused by machinery,</li> <li>Contamination of area with hydrocarbons or hazardous waste materials.</li> </ul>	<p><b>Decommissioning Phase</b></p>	<p><b>Low Possibility</b> <b>Low Possibility</b></p> <p><b>Low Possibility</b> <b>Low Possibility</b></p>	<p><b>Low Concern</b> <b>Low Concern</b></p> <p><b>Low Concern</b> <b>Low Concern</b></p>
<p><u>Replacing of Topsoil and Rehabilitation of Disturbed Area:</u></p> <ul style="list-style-type: none"> <li>Loss of reinstated topsoil due to the absence of vegetation,</li> </ul>	<p><b>Decommissioning Phase</b></p>	<p><b>Low Possibility</b></p>	<p><b>Low Concern</b></p>

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**SITE ALTERNATIVE 1**

- Infestation of the area by weeds and invader plants.

**Low Possibility**

**Low Concern**