

## 2. Environment Management Plan

### 2.1. Impact on Air

Since no blasting is introduced for the mining purpose in the area, there would not be any suspended particles of mineral to cause air pollution. However, small number of SPs would be there which can be minimized by sprinkling water.

### 2.2. Impact on water

- **Surface and Ground water**

There is no perennial drainage system in the mining area and while planning due care for drainage has been given. No significant effect on surface water regime is expected. The water table in this area occurs at 100-150 m below general surface. Hence there will be no effect on the hydrology of the area as the working will not reach the water table. However, there may be some effects on the seasonal nallas, which drain the precipitated water flowing from the area.

Further, it is proposed to make necessary arrangements for developing rainwater harvesting of the mine water during rainy season. It is proposed to develop necessary bores and pits for this purpose. Thus, rain water harvesting will ameliorate the ground water of the area.

- **Water Quality**

There are no water courses in the area except land undulations. The precipitated water also flows along the depressions formed in between the outcrop of host bed.

- Impact on Noise Level

Since no blasting is introduced for the mining purpose in the area, there would not be any noise pollution.



### 2.3. Waste Disposal Arrangements

The year wise detail of mine waste is as follows: -

Year	Mine Waste (MT)	Top Soil (MT)
1st Year	1196	798
2nd Year	1235	823
3rd Year	1257	838
4th Year	1253	835
5th Year	1228	819
<b>Total</b>	<b>6169</b>	<b>4113</b>

The total of 6169 MT of mine waste will be generated during the five years of mine work. This mine waste along with top soil will be used to establish green belt in the lease area in order to reclaim the land as forest land.

### 2.4. Scio-economic Benefits

- **DEMOGRAPHIC STRUCTURE**

The demographic detail of nearby villages is given below

Village Name	No. of Houses	Total Population	Total Males	Total Females
D.P. F. Phanoti	48	196	106	90
Khaneri	543	1892	995	897
Racholi	426	1414	765	649
Kandi	29	129	71	58
Jakhari	56	236	122	114
Khaneri	543	1892	995	897

Due to mining activities, significant changes are expected in the daily life of the inhabitants as mining activities will open new avenues of employment generation for local people. The favorable changes are expected in the terms of more employment



opportunities, better Infrastructure facilities like power linkage, medical facilities, water supply etc.

The project will provide job opportunity for 10-12 persons including 4-5 persons engaged in transport.

#### 2.5. Transportation of Mineral

As per proposed rate of production i.e. 26000 MT (average) per year or as explained in the point 4.3. The loading of the mineral will be done directly to the tipper along the hill slope by the loading chutes. Taking into consideration, 300 working days in the mine, 86 MT stone will be produced per day for which 9-10 tippers would be used to carry the mineral to the filling site.

