Asnawa is located between the border of the most ever two disputed countries, Iraq and Iran. The area is rich in natural resources, particularly iron. However, the political tension between the two countries caused least investigations by the geoscientists and investigators.

**Keywords**: Asnawa, Penjwen, Quarries, Ferromagnetic
For more than 3000 years, and in most societies, people skilled iron as a useful tool in agriculture and defense. Its use became widespread in the 14th century in Europe, after forerunner of blast furnaces began to replace forges. Magnetite (Fe₃O₄) and hematite (Fe₂O₃) are usually found in iron ore rocks which are used to make iron in the form of steel.

The main possible reason for non-investment in Asnawa is the location. Asnawa is exactly located between the border of the most ever two disputed countries, Iraq and Iran.

The political tensions between these two countries and inadequate capital and lack of technology have resulted in non-investment in the area.

Kurdistan region of Iraq is extremely ambitious in its efforts for advancing economy and industrialization, but unfortunately due to the political unrest with the surrounding countries this ambitious project has not been yet come true.

To study the economical utilization of Iron in Asnawa, the ministry of Natural resources of KRG with a team of experts and scientists have to study the net present value or net present worth to evaluate the feasibility of the iron ores then to conclude in a conclusive report whether the ore reserve is economically viable or not. Fully exploited can serve as a source of foreign exchange for the country (Bolton, 1958) [Figure 1 and Table 1].

Table 1: The latitude, longitude, and elevation of the five quarries in Asnawa

<table>
<thead>
<tr>
<th>No</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Elevation (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>35°35′8.86ʺ</td>
<td>45°58′46.23ʺ</td>
<td>1631</td>
</tr>
<tr>
<td>2</td>
<td>35°35′8.04ʺ</td>
<td>45°58′43.57ʺ</td>
<td>1659</td>
</tr>
<tr>
<td>3</td>
<td>35°35′7.11ʺ</td>
<td>45°58′44.63ʺ</td>
<td>1675</td>
</tr>
<tr>
<td>4</td>
<td>35°35′6.56ʺ</td>
<td>45°58′37.01ʺ</td>
<td>1755</td>
</tr>
<tr>
<td>5</td>
<td>35°35′7.78ʺ</td>
<td>45°58′45.50ʺ</td>
<td>1688</td>
</tr>
</tbody>
</table>

REFERENCES


