The Republic of Mozambique is located on the southeastern coast of Africa and has an area of 749,090 square kilometers. The mining industry was chiefly noted for its production and export of bauxite, bentonite, gemstones, graphite, and marble; production at the Ancuabe graphite mine was suspended in October 1999 owing to weak market conditions. In addition to these minerals, small quantities of gold near Niassa and some industrial mineral commodities, which included cement, marine salt, and sand and gravel, were produced (table 1). Minerals exports included bauxite, gemstones, graphite, and marble.

Following nearly 30 years of internal conflict, which ended with the establishment of a freely elected government in 1994, Mozambique has been striving to rebuild its economy. In 1999, Mozambique’s gross domestic product (GDP) amounted to about $18.7 billion at purchasing power parity, which was an increase of 10% compared with that of 1998. Per capita income was $1,000 in 1999. The output of the industrial sector accounted for about 18% of GDP (U.S. Central Intelligence Agency, 2000).

Mozambique consumed 1.0 billion kilowatt-hours (GkWh) of electricity in 1998. Production of electricity totaled 1.2 GkWh. Hydroelectric power sources provided 75% of the country’s electricity, and fossil fuel sources accounted for the remaining 25% (U.S. Central Intelligence Agency, 2000).

The minerals and energy sectors played secondary roles to agriculture and fishing in the economy but were the targets for several major new foreign investment proposals. Efforts to rebuild the economy have placed major emphases on mineral-resource development and regional economic integration. By early 2000, more than $6 billion in new mineral development projects were under consideration by Government and private foreign investors. Construction of the $1.3 billion Mozal aluminum smelter, which was the first, was well underway in 1999; completion was scheduled for late 2000. The capacity for the smelter was 250,000 tons per year (Mozal, 1999, Project overview, accessed April 9, 2001, at URL http://www.mozal.com/project/project.htm).

Development plans to date depended heavily on the energy potential of the underutilized Cabo da Bassa hydroelectric dam; the undeveloped Buzi, Pande, and Temane natural gas fields; the coal resources at Moatize; and the modernization of the Indian Ocean export harbors at Beira, Maputo-Matola, and Nacala and associated transportation infrastructure. In the metals sector, studies were underway to determine the feasibility of developing a second aluminum smelter and major coal, iron, and titanium projects. Mozambique also has identified resources of dimension stone, gemstones, gold, niobium, petroleum, phosphates, rare-earth minerals, and tantalum (Mozambique Ministry of Mineral Resources and Energy, 1995, p. 21-22).

State-owned Empresa Nacional de Hidrocarbonetos had statutory responsibility for the exploration and development of natural gas and petroleum resources and can enter into joint ventures and other forms of contractual relations with private companies.

With the development of the Mozal aluminum smelter project well underway, the Mozambican economy appeared to be poised to undergo a major recovery based substantially on proposed new energy- and mineral-related investment and export-oriented industrial development. Although the outlook is optimistic, the full realization of the nearly $12 billion in new mineral and infrastructure investment is still contingent on several political and market factors. These include continued internal political stability and external regional cooperation, especially with South Africa and Zimbabwe, and positive market conditions for aluminum, coal, iron and steel, and titanium and the ability of project management to attract the necessary development capital in competition with similar projects elsewhere in the world. The country’s strong coal, gas, and hydroelectric energy base, however, remained a strong magnet for attracting the needed capital and industrial development.

References Cited

Major Sources of Information
Ministry of Mineral Resources and Energy
Avenida Fernao Magalhaes, 34 - 1st Floor
P.O. Box 2904
Maputo, Mozambique
Telephone: 258-1-429615
Fax: 258-1-429541

National Directorate of Mines
Praca 25 de Junho - r/c
P.O. Box 2904
Maputo, Mozambique
Telephone: 258-1-427121 or 422744
Fax: 258-1-429046

National Directorate of Geology
Praca 25 de Junho - 4th Floor
P.O. Box 2904
Maputo, Mozambique
Telephone: 258-1-420797 or 42403
Fax: 258-1-420216 or 429046
Empresa Nacional de Hidrocarbonetos (ENH)  
Avenida Fernao Magalhaes, 34 - 1st Floor  
Maputo, Mozambique  
Telephone: 258-1-427634 or 429645  
Fax: 258-1-430931

National Energy Directorate  
Avenida 25 de Setembro, 1218 - 3d Floor  
P.O. Box 2904  
Maputo, Mozambique  
Telephone: 258-1-420147  
Fax: 258-1-420245
# TABLE 1

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<thead>
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<tbody>
<tr>
<td>Bauxite</td>
<td>10,700</td>
<td>11,459</td>
<td>8,218</td>
<td>6,130</td>
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<tr>
<td>Cement, hydraulic e/ thousand tons</td>
<td>60</td>
<td>180</td>
<td>220</td>
<td>290</td>
<td>390</td>
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<td>Clays, bentonite</td>
<td>3,500</td>
<td>11,051</td>
<td>12,625</td>
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<td>Coal, bituminous</td>
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<td>100,000</td>
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<td>Gemstones, semiprecious:</td>
<td></td>
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<td>Cut stones, all types</td>
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<td>2,663</td>
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<td>Rough stones 4/ kilograms</td>
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<td>1,862</td>
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<td>1,465</td>
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<td>Gold 5/</td>
<td>6,800</td>
<td>67</td>
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<td>Graphite, concentrates</td>
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<td>3,283</td>
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<td>Gravel and crushed rock</td>
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<td>120,000</td>
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<td>Marble: Block</td>
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<td></td>
<td>1,500</td>
<td>744</td>
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<td>60,000</td>
</tr>
</tbody>
</table>

1/ Estimated data are rounded to no more than three significant digits.
2/ Data available through February 2000.
3/ In addition to the commodities listed, construction materials (other clays, sand and gravel, and stone) were produced, as was a small quantity of natural gas. For these commodities, output is not reported quantitatively, and information was insufficient to make reliable estimates.
4/ Artisanal production of rough gemstones include, in order of importance, garnet, tourmaline, dumortierite, aquamarine, emerald, and morganite.
5/ Does not include artisanal gold, which the Government has estimated to be roughly 4,000 kilograms per year.