

# THE MINERAL INDUSTRIES OF THE GAMBIA, GUINEA-BISSAU, AND SENEGAL

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In 2004, mineral production in The Gambia and Senegal was limited to the production of basalt, cement, clay, gold, laterites, limestone, natural gas, petroleum refinery products, salt, sand, silica sand, and zircon. Mineral production in Guinea-Bissau was limited to small-scale production of construction materials, such as clay, granite, limestone, and sand, but information was

inadequate to make reliable estimates of output levels. More-extensive coverage of the mineral industries of The Gambia, Guinea-Bissau, and Senegal can be found in the 2002 and 2003 U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Africa and the Middle East.

TABLE 1  
THE GAMBIA AND SENEGAL: PRODUCTION OF MINERAL COMMODITIES<sup>1</sup>

(Thousand metric tons unless otherwise specified)

Country and commodity	2000	2001	2002	2003	2004 <sup>c</sup>
<b>THE GAMBIA<sup>2</sup></b>					
Clay <sup>3</sup> metric tons	1,960	2,000 <sup>e</sup>	11,814 <sup>4</sup>	12,375 <sup>4</sup>	12,400
Laterites <sup>3</sup>	NA	NA	410	227 <sup>4</sup>	230
Silica sand <sup>3</sup>	170	170 <sup>e</sup>	1,508 <sup>4</sup>	1,534 <sup>4</sup>	1,530
Zircon	--	--	--	13 <sup>4,5</sup>	13
<b>SENEGAL<sup>6</sup></b>					
Basalt <sup>3</sup>	NA	NA	116	363 <sup>7</sup>	360
Cement, hydraulic	1,341	1,539	1,653 <sup>r</sup>	1,694 <sup>r</sup>	1,700
Clay <sup>3</sup>	NA	NA	19	21 <sup>7</sup>	20
Clays, Fuller's earth (attapulgit)	149	121	138 <sup>r</sup>	195 <sup>r</sup>	200
Gold <sup>e,8</sup> kilograms	550	550	600 <sup>9</sup>	600 <sup>7,9</sup>	600
Laterites <sup>3</sup>	NA	NA	112	304 <sup>7</sup>	300
Limestone <sup>3</sup>	NA	NA	1,461	1,588 <sup>7</sup>	1,600
Natural gas <sup>c</sup> thousand cubic meters	56,000	56,000	3,368 <sup>9</sup>	12,638 <sup>7,9</sup>	12,600
<b>Petroleum:<sup>c</sup></b>					
Crude oil thousand 42-gallon barrels	1	1	--	--	--
Refinery products do.	6,000	6,424 <sup>9</sup>	6,400	6,400	6,400
<b>Phosphate rock and related products:</b>					
Calcium phosphate-based fertilizers	155	203	201	251	210 <sup>9</sup>
<b>Crude rock:</b>					
Aluminum phosphate	--	34	4	4 <sup>7</sup>	4
Calcium phosphate	1,845 <sup>r</sup>	1,708	1,547 <sup>r</sup>	1,761 <sup>r,7</sup>	1,800 <sup>p</sup>
Phosphoric acid	295	359	581	511	569 <sup>9</sup>
Salt	124	110	172 <sup>r</sup>	235 <sup>r</sup>	240
Sand <sup>3</sup>	NA	NA	860	2,168 <sup>7</sup>	2,170

<sup>c</sup>Estimated; estimated data are rounded to no more than three significant digits. <sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available. -- Zero.

<sup>1</sup>Table includes data available through August 22, 2005.

<sup>2</sup>In addition to the commodities listed, The Gambia also produced a variety of construction materials (laterite, sand, and shell), but information is inadequate to make reliable estimates of output levels.

<sup>3</sup>Values converted from cubic meters to metric tons. Specific gravity, in grams per cubic meter—basalt, 2.8; clay, 2.55; laterites, 2.55; limestone, 2.6; and sand, 2.6.

<sup>4</sup>Source: Geology Department of the Republic of The Gambia.

<sup>5</sup>From sales.

<sup>6</sup>In addition to the commodities listed, Senegal also produced sand and gravel, and stone for local construction purposes, but information is inadequate to make reliable estimates of output levels.

<sup>7</sup>Source: Direction des Mines et de la Geologie, Republique du Senegal.

<sup>8</sup>Government estimate of unreported production of artisanal gold.

<sup>9</sup>Reported figure.

TABLE 2  
 SENEGAL: STRUCTURE OF THE MINERAL INDUSTRY IN 2004

(Thousand metric tons)

Commodity	Major operating companies and major equity owners	Location of main facilities	Annual capacity
Attapulgit	Senegal Mines (Government, 49%, and private, 51%)	240 km south of Dakar	110
Do.	Société Senegalaise de Phosphates de Thies SA (private, 100%)	Lam Lam	NA
Cement	Les Ciments du Sahek S.A. of Senegal (private, 100%)	Kirène plant	600
Do.	Société Ouest Africaine des Ciments (private, 100%)	Rufisque plant	1,600
Petroleum products	Total (54%), Shell (23%), Mobil (13%) Government (10%)	Dakar refinery	1,226
Phosphate rock	Compagnie Senegalaise des Phosphates de Taiba (Government, 70%, and private, 30%)	Taiba Mine	2,000
Do.	Société Senegalaise de Phosphates de Thies SA (private, 100%)	Lam Lam, Sebikhotane, and Allou-Kagne	NA
Phosphoric acid	Compagnie Senegalaise des Phosphates de Taiba (Government, 70%, and private, 30%)	Darou Khoudoss	660

NA Not available.