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**Statistical Note**

The appendixes present country-wise time series data of infrastructure indicators for ADB’s developing member countries and the G7. Regional and subregional totals and averages are computed, and where there are missing data for a given year, computations are based on available information only. Asia refers to all developing member countries of ADB. Reference to the “world” depends upon the countries included by the data source used. Also, definitions and terminologies broadly follow those used by the data source.

APPENDIX 1: INFRASTRUCTURE DATA

Appendix Table 1.1: Comparing Infrastructure in Asia, Industrialized Countries, and the World

Infrastructure Indicator	Asia <sup>a</sup>										Industrialized Countries <sup>b</sup>										World		
	1980		1990		Average Growth Rate, 1990-1990		Latest Year		Average Growth Rate, 1990-Latest Year		1980		1990		Average Growth Rate, 1990-1990		Latest Year		Average Growth Rate, 1990-Latest Year				
Total Road Network (1,000 km)	...	4,927.0	...	5,663.0	1999	1.8	...	10,339.9	...	10,610.0	1999	0.3	...	24,710.1	...	26,072.0	1999	...	26,072.0	1999	0.6		
Paved Road as a Proportion of Total Road Network (%)	...	39.1	...	53.4	1999	3.5	...	64.8	...	69.6	1999	1.1	...	37.5	...	36.3	1999	...	36.3	1999	-0.4		
Road Network (km/1,000 km <sup>2</sup> )	...	1,757.0	...	1,786.0	1999	0.2	...	15,973.4	...	15,304.1	1999	-0.4	...	4,701.0	...	4,355.7	1999	...	4,355.7	1999	-0.8		
Road Network (km/million people)	...	221.4	...	234.9	1999	1.8	...	515.7	...	529.1	1999	0.3	...	231.6	...	201.1	1999	...	201.1	1999	-1.6		
Road Lines (1,000 total route-km)	145.0	161.8	1.1	162.3	2003	0.0	384.3	326.3	-1.6	308.5	2003	-1.4	...	...	...	...	...	...	...	...	...		
Rail Network (km/million people)	68.0	64.0	-0.6	59.0	2003	-0.6	718.1	570.5	-2.3	434.7	2003	-2.1	...	...	...	...	...	...	...	...	...		
Rail Network (km/1,000 km <sup>2</sup> )	7.9	8.5	0.7	8.6	2003	0.1	19.5	16.6	-1.6	15.4	2003	-0.6	...	...	...	...	...	...	...	...	...		
Net Electricity Generation (bn kWh)	580.9	1,292.2	8.3	4,002.6	2004	8.4	4,388.8	5,752.0	2.8	7,274.6	2004	1.7	...	8,026.9	...	16,599.1	2004	...	16,599.1	2004	2.8		
Net Electricity Generation (kWh/person)	256.1	474.6	6.4	1,181.4	2004	6.7	7,120.6	8,830.3	2.2	10,182.4	2004	1.0	...	1,810.9	...	2,154.1	2004	...	2,154.1	2004	1.4		
Proportion of Population with Access to an Improved Water Source (%)	...	71.8	...	81.4	2004	0.9	...	100.0	...	100.0	2004	-	...	76.7	...	82.7	2004	...	82.7	2004	0.5		
Proportion of Population with Access to Improved Sanitation (%)	...	25.2	...	45.0	2004	4.2	...	100.0	...	100.0	2004	-	...	45.3	...	57.2	2004	...	57.2	2004	1.7		
Irrigated Land (million hectares)	116.2	133.5	1.4	169.2	2003	1.8	28.6	29.8	0.4	31.8	2003	0.5	...	209.3	...	245.2	2003	...	245.2	2003	0.9		
Irrigated Land as a Proportion of Arable Land (%)	32.1	33.8	0.5	38.2	2003	1.0	10.1	10.6	0.5	11.9	2003	0.9	...	15.5	...	17.6	2003	...	17.6	2003	0.9		
Telephone Lines and Cellular Subscribers (million)	...	40.1	...	991.2	2004	25.8	...	322.3	...	934.8	2004	7.9	...	562.0 <sup>c</sup>	...	2,965.0	2004	...	2,965.0	2004	12.6		
Telephone Lines and Cellular Subscribers (per 1,000 people)	...	14.3	...	295.5	2004	24.2	...	494.8	...	1,309.8	2004	7.2	...	105.2 <sup>c</sup>	...	465.8	2004	...	465.8	2004	11.2		

... = Data not available; -- = Magnitude equals zero; 0.0 = Magnitude is less than half of unit employed.

km = kilometer; km<sup>2</sup> = square kilometer; kWh = kilowatt-hour.

<sup>a</sup> Asia refers to ADB's developing member countries. <sup>b</sup> Refers to G7, which includes Canada, France, Germany, Japan, Italy, the United Kingdom, and the United States. <sup>c</sup> Refers to 1991. Sources: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>); International Road Federation, World Road Statistics CD-ROM 2004; Energy Information Administration, International Energy Annual 2004 (<http://www.eia.doe.gov/pub/international/real/time/tables63.xls>); United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); United Nations, World Urbanization Prospects—The 2005 Revision Population Database (<http://esa.un.org/unup/>); Food and Agriculture Organization of the United Nations, FAOSTAT database online (<http://faostat.fao.org/>), downloaded 10 August 2006; and International Telecommunication Union, Key Global Telecom Indicators for the World Telecommunication Service Sector ([http://www.itu.int/ITU-D/ict/statistics/at\\_glance/keyTelecom99.html](http://www.itu.int/ITU-D/ict/statistics/at_glance/keyTelecom99.html)).

**Appendix Table 1.2: Total Road Network (1,000 km), 1990–1999**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Average Growth Rate, 1990–1999 (%)
<b>East Asia</b>											
PRC	1,181.0	1,230.2	1,265.9	1,321.8	1,384.3	1,462.9	1,185.8	1,226.4	1,278.5	1,351.7	1.5
Hong Kong, China	1.5	1.5	1.6	1.6	1.7	1.7	1.8	...	...	1.8	2.4
Korea, Rep. of	56.7	58.1	58.9	61.3	78.8	74.2	82.3	85.0	87.0	87.0	4.9
Mongolia	42.4	42.4	42.4	42.4	49.3	49.3	49.3	49.3	49.3	49.3	1.7
Taipei, China	...	...	...	...	...	...	...	...	34.9	35.8	...
<b>Subregion</b>	<b>1,281.7</b>	<b>1,332.2</b>	<b>1,368.8</b>	<b>1,427.1</b>	<b>1,514.0</b>	<b>1,588.1</b>	<b>1,319.1</b>	<b>1,360.6</b>	<b>1,449.6</b>	<b>1,525.5</b>	<b>2.0</b>
<b>Southeast Asia</b>											
Cambodia	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	12.3	12.3	-11.2
Indonesia	288.7	313.9	319.8	344.9	356.9	327.2	336.4	341.5	355.4	356.0	2.4
Lao PDR	14.0	14.1	14.1	14.3	14.3	18.5	22.3	...	...	21.7	5.0
Malaysia	86.1	90.1	92.5	93.0	93.6	61.3	63.4	65.0	65.6	65.9	-2.9
Myanmar	25.0	25.5	26.0	26.5	27.0	27.6	28.2	...	...	...	2.0
Philippines	160.6	160.7	160.8	160.9	160.9	161.0	161.3	161.3	200.0	200.0	2.5
Singapore	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	1.0
Thailand	72.2	52.3	54.4	56.9	59.5	62.0	64.6	64.6	64.6	64.6	-1.2
Viet Nam	96.1	98.0	100.0	102.0	104.0	106.0	93.3	93.3	93.3	93.3	-0.3
<b>Subregion</b>	<b>781.2</b>	<b>793.3</b>	<b>806.3</b>	<b>837.2</b>	<b>854.9</b>	<b>802.4</b>	<b>808.2</b>	<b>764.4</b>	<b>794.1</b>	<b>816.9</b>	<b>0.9</b>
<b>South Asia</b>											
Afghanistan	21.0	21.0	21.0	21.0	21.0	21.0	21.0	...	21.0	21.0	-
Bangladesh	188.0	195.4	219.8	219.2	168.6	204.0	196.4	201.2	204.7	207.5	1.1
Bhutan	2.3	2.4	2.5	2.6	3.0	3.1	3.3	3.4	3.4	3.7	5.2
India	2,000.0	2,350.4	2,021.4	2,114.5	2,142.8	2,173.2	2,367.1	2,465.9	2,457.7	2,526.0	2.6
Maldives	...	...	...	...	...	...	...	...	...	...	...
Nepal	6.8	7.0	7.1	7.3	7.4	7.6	7.7	...	...	13.2	7.6
Pakistan	169.2	177.4	190.4	197.1	203.5	214.2	224.9	236.5	215.1	224.9	3.2
Sri Lanka	93.0	96.8	97.7	98.8	98.8	98.4	99.2	...	...	...	1.1
<b>Subregion</b>	<b>2,480.4</b>	<b>2,850.4</b>	<b>2,559.9</b>	<b>2,660.4</b>	<b>2,645.1</b>	<b>2,721.5</b>	<b>2,919.6</b>	<b>2,907.0</b>	<b>2,901.9</b>	<b>2,996.3</b>	<b>2.6</b>
<b>Central Asia</b>											
Armenia	7.7	8.6	8.6	8.6	16.3	16.3	16.3	16.0	8.4	8.4	1.0
Azerbaijan	52.4	52.0	48.6	48.6	24.3	26.8	26.8	27.4	27.4	27.3	-7.0
Kazakhstan	158.3	158.7	158.8	158.8	158.6	151.2	141.1	125.8	119.4	109.4	-4.0
Kyrgyz Republic	18.9	18.9	18.7	18.7	18.6	18.6	18.5	18.5	18.5	18.5	-0.2
Tajikistan	29.9	28.6	25.1	27.7	13.6	13.6	28.5	30.5	27.2	27.1	-1.1
Turkmenistan	21.3	21.7	22.2	22.6	13.6	13.6	13.6	13.6	13.6	24.0	1.3
Uzbekistan	72.5	73.9	42.8	76.9	78.4	80.0	81.6	43.5	81.6	81.6	1.3
<b>Subregion</b>	<b>361.0</b>	<b>362.4</b>	<b>324.8</b>	<b>361.9</b>	<b>323.3</b>	<b>320.1</b>	<b>326.4</b>	<b>275.3</b>	<b>296.1</b>	<b>296.5</b>	<b>-2.2</b>
<b>Pacific DMCs</b>											
Cook Islands	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.4	3.4	3.4	1.3
Kiribati	...	...	...	...	...	...	0.7	0.7	0.7	0.7	-
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	0.2	0.2	0.2	0.2	-
Nauru	...	...	...	...	...	...	...	...	0.03	0.03	...
Palau	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	18.5	18.7	18.9	19.1	19.2	19.4	19.6	19.6	19.6	19.6	0.6
Samoa	...	...	...	...	...	...	0.8	0.8	0.8	0.8	-
Solomon Islands	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.3
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	0.7	0.7	0.7	0.7	-
Tuvalu	...	...	...	...	...	...	...	...	0.01	0.01	...
Vanuatu	...	...	...	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.0
<b>Subregion</b>	<b>22.8</b>	<b>23.0</b>	<b>23.3</b>	<b>24.6</b>	<b>24.8</b>	<b>25.2</b>	<b>27.9</b>	<b>27.9</b>	<b>27.9</b>	<b>27.9</b>	<b>0.8</b>
<b>Asia</b>	<b>4,927.0</b>	<b>5,361.3</b>	<b>5,083.1</b>	<b>5,311.3</b>	<b>5,362.2</b>	<b>5,457.2</b>	<b>5,401.2</b>	<b>5,335.1</b>	<b>5,469.6</b>	<b>5,663.0</b>	<b>1.8</b>
<b>Industrialized Countries</b>											
Canada	825.7	849.4	901.9	...	...	901.9	...	...	901.9	901.9	1.0
France	885.6	890.8	891.2	891.6	892.5	892.7	892.5	892.9	893.3	893.5	0.1
Germany	606.5	636.3	639.8	640.2	611.6	641.9	656.1	656.1	230.7	230.7	-10.2
Italy	304.3	305.4	309.0	311.0	313.0	315.0	0.0	478.3	479.5	479.5	5.2
Japan	1,114.7	1,115.6	1,124.8	1,130.9	1,137.5	1,142.3	1,147.5	1,152.2	1,156.4	1,161.9	0.5
United Kingdom	360.0	360.0	362.3	364.2	364.9	367.0	368.8	369.9	371.5	614.3	6.1
United States	6,243.2	6,257.9	6,277.9	6,284.0	6,287.0	6,296.1	6,308.1	6,348.2	6,310.2	6,328.0	0.2
<b>Industrialized Group</b>	<b>10,339.9</b>	<b>10,415.3</b>	<b>10,506.9</b>	<b>9,621.9</b>	<b>9,606.4</b>	<b>10,556.9</b>	<b>9,373.0</b>	<b>9,897.5</b>	<b>10,343.5</b>	<b>10,610.0</b>	<b>0.3</b>
<b>World</b>	<b>24,710.1</b>	<b>25,139.3</b>	<b>24,648.7</b>	<b>24,585.4</b>	<b>24,621.4</b>	<b>25,962.3</b>	<b>25,282.2</b>	<b>24,384.2</b>	<b>26,028.0</b>	<b>26,072.0</b>	<b>0.6</b>

... = Data not available; - = Magnitude equals zero.

DMC = developing member country; FSM = Federated States of Micronesia; km = kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: The subregion total includes all countries with data. However for the subregion average growth rate, only the countries with data in both 1990 and 1999 were included. The average growth rates for Myanmar and Sri Lanka are during 1990–1996; Kiribati, FSM, Samoa, and Tonga, 1996–1999; and Vanuatu, 1993–1999. Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.3: Paved Road as a Proportion of Total Road Network (%), 1990–1999**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Average Growth Rate, 1990–1999 (%)
<b>East Asia</b>											
PRC	...	...	...	...	...	...	...	...	...	...	...
Hong Kong, China	100.0	100.0	100.0	100.0	100.0	100.0	100.0	...	...	100.0	-
Korea, Rep. of	71.5	76.4	80.8	84.7	77.8	76.0	72.7	74.0	74.5	74.5	0.5
Mongolia	10.2	10.3	7.3	7.3	2.6	3.3	3.3	3.4	3.4	3.5	-11.2
Taipei, China	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>46.1</b>	<b>49.3</b>	<b>50.8</b>	<b>53.8</b>	<b>49.5</b>	<b>47.7</b>	<b>47.4</b>	<b>48.1</b>	<b>48.8</b>	<b>49.5</b>	<b>0.8</b>
<b>Southeast Asia</b>											
Cambodia	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	16.2	16.2	8.9
Indonesia	45.1	45.3	53.6	53.8	53.8	52.4	46.3	56.4	47.3	46.3	0.3
Lao PDR	24.0	16.0	16.0	16.0	16.0	13.8	...	...	...	44.5	7.1
Malaysia	70.0	73.0	75.0	75.0	75.0	74.4	74.4	74.9	75.6	75.3	0.8
Myanmar	10.9	11.2	11.4	11.6	11.9	12.1	12.2	...	...	...	1.9
Philippines	13.9	...	...	...	16.6	16.7	17.4	17.7	19.8	20.0	4.2
Singapore	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	100.0	100.0	0.3
Thailand	55.3	88.4	89.7	92.8	94.7	97.4	97.5	97.5	97.5	97.5	6.5
Viet Nam	23.5	23.9	24.4	24.9	25.4	25.9	25.1	25.1	25.1	25.1	0.7
<b>Subregion</b>	<b>36.7</b>	<b>45.6</b>	<b>50.3</b>	<b>50.9</b>	<b>44.8</b>	<b>42.8</b>	<b>41.5</b>	<b>47.3</b>	<b>43.9</b>	<b>43.5</b>	<b>1.7</b>
<b>South Asia</b>											
Afghanistan	13.3	13.3	13.3	13.3	13.3	13.3	13.3	...	13.3	13.3	-
Bangladesh	...	7.2	6.6	6.9	9.3	7.9	8.4	9.5	9.5	9.5	3.6
Bhutan	77.1	79.1	77.1	74.5	65.2	63.7	60.7	60.7	...	...	-3.4
India	38.0	47.3	51.9	54.4	54.9	55.4	54.7	56.5	57.0	57.4	4.7
Maldives	...	...	...	...	...	...	...	...	...	...	...
Nepal	37.5	38.2	39.0	39.7	40.5	41.4	41.5	...	...	30.8	-2.2
Pakistan	54.0	53.0	53.0	54.0	54.0	45.0	44.0	44.0	53.0	55.0	0.2
Sri Lanka	...	32.0	34.0	38.0	40.0	40.0	40.0	...	...	...	4.6
<b>Subregion</b>	<b>36.2</b>	<b>44.1</b>	<b>47.1</b>	<b>49.5</b>	<b>51.0</b>	<b>50.1</b>	<b>49.9</b>	<b>52.2</b>	<b>53.0</b>	<b>53.4</b>	<b>4.4</b>
<b>Central Asia</b>											
Armenia	99.2	96.6	96.7	96.7	97.0	96.7	96.7	96.8	96.8	96.8	-0.3
Azerbaijan	...	...	...	...	93.9	93.9	93.9	92.3	92.3	92.3	-0.3
Kazakhstan	55.1	68.7	70.6	70.4	73.5	76.3	80.5	82.8	86.5	89.7	5.6
Kyrgyz Republic	90.0	90.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	0.1
Tajikistan	71.6	74.1	76.7	78.7	80.7	82.7	...	...	...	...	2.9
Turkmenistan	73.5	75.0	76.5	78.0	...	...	...	...	...	81.2	1.1
Uzbekistan	79.0	80.5	...	83.8	85.5	87.2	87.3	...	87.3	87.3	1.1
<b>Subregion</b>	<b>66.8</b>	<b>74.5</b>	<b>74.4</b>	<b>76.9</b>	<b>80.7</b>	<b>82.9</b>	<b>85.3</b>	<b>86.2</b>	<b>88.1</b>	<b>88.8</b>	<b>3.2</b>
<b>Pacific DMCs</b>											
Cook Islands	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	44.5	45.4	46.3	47.2	48.2	49.1	49.2	49.2	49.2	49.2	1.1
Kiribati	...	...	...	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	17.7	17.5	17.5	17.5	-0.4
Nauru	...	...	...	...	...	...	...	...	...	80.0	...
Palau	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	3.2	3.2	3.3	3.3	3.3	3.4	3.5	3.5	3.5	3.5	1.0
Samoa	...	...	...	...	...	...	42.0	42.0	42.0	42.0	-
Solomon Islands	2.1	2.2	2.2	2.3	2.3	2.4	2.5	2.5	2.5	2.5	2.0
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	27.0	27.0	27.0	27.0	-
Tuvalu	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	22.9	23.4	23.8	23.9	23.9	23.9	23.9	0.7
<b>Subregion</b>	<b>8.7</b>	<b>8.8</b>	<b>9.1</b>	<b>9.8</b>	<b>10.0</b>	<b>10.3</b>	<b>11.9</b>	<b>11.9</b>	<b>11.9</b>	<b>11.9</b>	<b>1.5</b>
<b>Asia</b>	<b>39.1</b>	<b>46.7</b>	<b>49.3</b>	<b>51.9</b>	<b>51.7</b>	<b>50.8</b>	<b>50.4</b>	<b>52.5</b>	<b>53.0</b>	<b>53.4</b>	<b>3.5</b>
<b>Industrialized Countries</b>											
Canada	35.0	37.0	35.2	...	...	35.3	...	...	...	...	0.2
France	83.7	...	...	...	...	...	100.0	100.0	100.0	100.0	2.0
Germany	99.0	99.0	99.0	99.0	99.0	99.0	99.1	...	...	...	0.0
Italy	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-
Japan	69.2	70.1	71.1	72.1	73.0	73.6	74.3	74.9	76.0	76.1	1.1
United Kingdom	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-
United States	58.2	58.5	58.8	58.2	59.8	60.7	60.5	58.8	...	58.8	0.1
<b>Industrialized Group</b>	<b>64.8</b>	<b>63.5</b>	<b>63.6</b>	<b>66.2</b>	<b>67.4</b>	<b>65.2</b>	<b>71.4</b>	<b>68.6</b>	<b>90.4</b>	<b>69.6</b>	<b>1.1</b>
<b>World</b>	<b>37.5</b>	<b>45.5</b>	<b>38.0</b>	<b>40.3</b>	<b>41.8</b>	<b>40.0</b>	<b>40.8</b>	<b>39.0</b>	<b>45.4</b>	<b>36.3</b>	<b>-0.4</b>

... = Data not available; - = Magnitude equals zero; 0.0 = Magnitude is less than half of unit employed.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.  
 Notes: The subregion total includes all countries with data. However for the subregion average growth rate, only the countries with data in both 1990 and 1999 were included. The average growth rates for Myanmar and Germany are during 1990–1996; Bangladesh, 1991–1999; Bhutan, 1990–1997; Sri Lanka, 1991–1996; Azerbaijan, 1994–1999; Tajikistan and Canada, 1990–1995; FSM, Samoa, and Tonga, 1996–1999; and Vanuatu, 1993–1999. Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.4: Road Network (km/million people), 1990–1999**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Average Growth Rate, 1990–1999 (%)
<b>East Asia</b>											
PRC	1,040	1,069	1,087	1,122	1,161	1,214	974	997	1,029	1,078	0.4
Hong Kong, China	260	266	269	275	275	279	273	...	...	277	0.7
Korea, Rep. of	1,323	1,343	1,349	1,391	1,773	1,646	1,809	1,849	1,879	1,866	3.9
Mongolia	20,142	19,804	19,486	19,188	21,953	21,648	21,373	21,124	20,903	20,708	0.3
Taipei, China	...	...	...	...	...	...	...	...	1,598	1,626	...
<b>Subregion</b>	<b>1,081</b>	<b>1,108</b>	<b>1,125</b>	<b>1,160</b>	<b>1,217</b>	<b>1,262</b>	<b>1,037</b>	<b>1,064</b>	<b>1,105</b>	<b>1,146</b>	<b>0.6</b>
<b>Southeast Asia</b>											
Cambodia	3,676	3,551	3,437	3,331	3,234	3,147	3,067	2,995	1,009	987	-13.6
Indonesia	1,620	1,731	1,735	1,842	1,878	1,698	1,721	1,723	1,769	1,749	0.9
Lao PDR	3,381	3,325	3,248	3,206	3,127	3,952	4,649	...	...	4,212	2.5
Malaysia	4,826	4,915	4,918	4,814	4,718	3,010	3,034	3,033	2,985	2,930	-5.4
Myanmar	613	614	615	616	617	620	624	...	...	...	0.3
Philippines	2,628	2,570	2,514	2,458	2,405	2,354	2,308	2,261	2,746	2,692	0.3
Singapore	918	919	897	876	860	843	814	795	769	772	-1.9
Thailand	1,321	945	968	1,000	1,032	1,063	1,095	1,083	1,072	1,062	-2.4
Viet Nam	1,452	1,450	1,449	1,450	1,451	1,453	1,256	1,236	1,219	1,204	-2.1
<b>Subregion</b>	<b>1,793</b>	<b>1,786</b>	<b>1,782</b>	<b>1,817</b>	<b>1,823</b>	<b>1,683</b>	<b>1,667</b>	<b>1,730</b>	<b>1,770</b>	<b>1,775</b>	<b>-0.8</b>
<b>South Asia</b>											
Afghanistan	1,193	1,173	1,148	1,129	1,111	1,094	1,071	...	1,034	1,014	-1.8
Bangladesh	1,807	1,836	2,018	1,968	1,479	1,752	1,651	1,657	1,652	1,642	-1.1
Bhutan	3,893	3,914	3,868	3,918	4,499	4,471	4,589	4,578	4,447	4,721	2.2
India	2,354	2,712	2,290	2,351	2,340	2,331	2,495	2,554	2,502	2,528	0.8
Maldives	...	...	...	...	...	...	...	...	...	...	...
Nepal	358	356	354	352	350	348	346	...	...	554	5.0
Pakistan	1,567	1,602	1,677	1,693	1,704	1,751	1,794	1,841	1,634	1,669	0.7
Sri Lanka	5,465	5,608	5,605	5,598	5,521	5,424	5,410	...	...	...	-0.2
<b>Subregion</b>	<b>2,223</b>	<b>2,502</b>	<b>2,203</b>	<b>2,246</b>	<b>2,190</b>	<b>2,211</b>	<b>2,328</b>	<b>2,390</b>	<b>2,305</b>	<b>2,295</b>	<b>0.6</b>
<b>Central Asia</b>											
Armenia	2,169	2,438	2,483	2,541	4,942	5,047	5,125	5,089	2,703	2,720	2.5
Azerbaijan	7,319	7,149	6,580	6,483	3,198	3,488	3,455	3,500	3,462	3,423	-8.1
Kazakhstan	9,686	9,649	9,660	9,726	9,853	9,560	9,056	8,204	7,922	7,331	-3.0
Kyrgyz Republic	4,271	4,202	4,122	4,126	4,095	4,052	3,973	3,915	3,857	3,803	-1.3
Tajikistan	5,631	5,281	4,556	4,937	2,391	2,357	4,877	5,137	4,523	4,460	-2.6
Turkmenistan	5,807	5,751	5,714	5,655	3,317	3,245	3,184	3,137	3,097	5,400	-0.8
Uzbekistan	3,534	3,518	1,988	3,495	3,488	3,491	3,499	1,835	3,395	3,348	-0.6
<b>Subregion</b>	<b>5,921</b>	<b>5,851</b>	<b>5,177</b>	<b>5,713</b>	<b>5,069</b>	<b>4,986</b>	<b>5,052</b>	<b>4,235</b>	<b>4,532</b>	<b>4,507</b>	<b>-3.0</b>
<b>Pacific DMCs</b>											
Cook Islands	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	4,215	4,262	4,308	4,332	4,353	4,388	4,427	4,377	4,331	4,286	0.2
Kiribati	...	...	...	...	...	...	8,211	8,034	7,791	7,579	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	2,225	2,225	2,232	2,240	0.2
Nauru	...	...	...	...	...	...	...	...	2,998	2,994	...
Palau	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	4,497	4,431	4,363	4,294	4,204	4,139	4,076	3,974	3,878	3,786	-1.9
Samoa	...	...	...	...	...	...	4,647	4,597	4,547	4,498	-1.1
Solomon Islands	3,819	3,773	3,730	3,717	3,673	3,656	3,635	3,533	3,434	3,339	-1.5
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	6,974	6,925	6,876	6,829	-0.7
Tuvalu	...	...	...	...	...	...	...	...	796	803	...
Vanuatu	...	...	...	6,192	6,139	6,097	6,067	5,936	5,816	5,701	-1.4
<b>Subregion</b>	<b>4,416</b>	<b>4,367</b>	<b>4,316</b>	<b>4,318</b>	<b>4,247</b>	<b>4,198</b>	<b>4,224</b>	<b>4,130</b>	<b>4,033</b>	<b>3,947</b>	<b>-1.6</b>
<b>Asia</b>											
<b>1,757</b>	<b>1,880</b>	<b>1,753</b>	<b>1,803</b>	<b>1,793</b>	<b>1,797</b>	<b>1,753</b>	<b>1,774</b>	<b>1,769</b>	<b>1,786</b>	<b>0.2</b>	
<b>Industrialized Countries</b>											
Canada	29,713	30,151	31,624	...	...	30,725	...	...	29,817	29,571	-0.1
France	15,609	15,633	15,569	15,514	15,478	15,433	15,381	15,340	15,297	15,242	-0.3
Germany	7,635	7,952	7,936	7,889	7,503	7,862	8,010	7,994	2,811	2,811	-10.5
Italy	5,365	5,381	5,434	5,451	5,480	5,507	...	8,314	8,327	8,321	5.0
Japan	9,023	9,003	9,055	9,081	9,102	9,106	9,125	9,138	9,148	9,174	0.2
United Kingdom	6,254	6,234	6,257	6,275	6,274	6,300	6,320	6,326	6,341	10,459	5.9
United States	25,010	24,737	24,474	24,177	23,893	23,645	23,416	23,283	22,875	22,678	-1.1
<b>Industrialized Group</b>	<b>15,873</b>	<b>15,863</b>	<b>15,874</b>	<b>14,426</b>	<b>14,303</b>	<b>15,616</b>	<b>13,774</b>	<b>14,449</b>	<b>15,009</b>	<b>15,304</b>	<b>-0.4</b>
<b>World</b>											
<b>4,701</b>	<b>4,706</b>	<b>4,545</b>	<b>4,467</b>	<b>4,408</b>	<b>4,581</b>	<b>4,398</b>	<b>4,186</b>	<b>4,407</b>	<b>4,356</b>	<b>-0.8</b>	

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; km = kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: The subregion total includes all countries with data. However for the subregion average growth rate, only the countries with data in both 1990 and 1999 were included. The average growth rates for Myanmar and Germany are during 1990–1996; Bangladesh, 1991–1999; Bhutan, 1990–1997; Sri Lanka, 1991–1996; Azerbaijan, 1994–1999; Tajikistan and Canada, 1990–1995; FSM, Samoa, and Tonga, 1996–1999; and Vanuatu, 1993–1999. Asia refers to ADB's DIMCs. Industrialized countries refer to the G7. Sources: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>); and International Road Federation, World Road Statistics CD-ROM 2004.

**Appendix Table 1.5: Road Network (km/1,000 km<sup>2</sup>), 1990–1999**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Average Growth Rate, 1990–1999 (%)
<b>East Asia</b>											
PRC	127	132	136	142	148	157	127	131	137	145	1.5
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	574	588	597	621	798	752	834	861	881	881	4.9
Mongolia	27	27	27	27	31	31	31	31	31	31	1.7
Taipei, China	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>116</b>	<b>121</b>	<b>124</b>	<b>130</b>	<b>138</b>	<b>144</b>	<b>120</b>	<b>124</b>	<b>129</b>	<b>135</b>	<b>1.7</b>
<b>Southeast Asia</b>											
Cambodia	203	203	203	203	203	203	203	203	70	70	-11.2
Indonesia	159	173	177	190	197	181	186	188	196	196	2.4
Lao PDR	61	61	61	62	62	80	97	...	...	94	5.0
Malaysia	262	274	282	283	285	187	193	198	200	201	-2.9
Myanmar	38	39	40	40	41	42	43	...	...	...	2.0
Philippines	538	539	539	540	540	540	541	541	671	671	2.5
Singapore	4,176	4,303	4,328	4,336	4,393	4,436	4,460	4,503	4,505	4,556	1.0
Thailand	141	102	106	111	116	121	126	126	126	126	-1.2
Viet Nam	295	301	307	313	320	326	287	287	287	287	-0.3
<b>Subregion</b>	<b>180</b>	<b>183</b>	<b>186</b>	<b>193</b>	<b>197</b>	<b>185</b>	<b>186</b>	<b>221</b>	<b>230</b>	<b>222</b>	<b>0.9</b>
<b>South Asia</b>											
Afghanistan	32	32	32	32	32	32	32	...	32	32	-
Bangladesh	1,444	1,501	1,688	1,684	1,295	1,567	1,509	1,546	1,573	1,594	1.1
Bhutan	50	51	52	55	65	66	70	72	72	79	5.2
India	673	791	680	711	721	731	796	829	827	850	2.6
Maldives	...	...	...	...	...	...	...	...	...	...	...
Nepal	48	49	50	51	52	53	54	...	...	92	7.6
Pakistan	219	230	247	256	264	278	292	307	279	292	3.2
Sri Lanka	1,439	1,498	1,511	1,528	1,528	1,522	1,535	...	...	...	1.1
<b>Subregion</b>	<b>519</b>	<b>596</b>	<b>535</b>	<b>556</b>	<b>553</b>	<b>569</b>	<b>611</b>	<b>741</b>	<b>635</b>	<b>635</b>	<b>2.6</b>
<b>Central Asia</b>											
Armenia	...	...	304	304	577	578	578	567	299	299	-0.2
Azerbaijan	...	...	585	585	292	323	323	330	330	331	-6.1
Kazakhstan	...	...	59	59	59	56	52	47	44	41	-4.1
Kyrgyz Republic	...	...	98	98	97	97	96	96	96	96	-0.1
Tajikistan	...	...	180	198	97	97	204	218	194	194	0.9
Turkmenistan	...	...	47	48	29	29	29	29	29	51	0.9
Uzbekistan	...	...	101	181	184	188	192	102	192	192	7.4
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>80</b>	<b>90</b>	<b>80</b>	<b>79</b>	<b>81</b>	<b>68</b>	<b>73</b>	<b>73</b>	<b>-1.3</b>
<b>Pacific DMCs</b>											
Cook Islands	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	167	170	174	177	181	184	188	188	188	188	1.3
Kiribati	...	...	...	...	...	...	918	918	918	918	-
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	343	343	343	343	-
Nauru	...	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	41	41	42	42	42	43	43	43	43	43	0.6
Samoa	...	...	...	...	...	...	279	279	279	279	-
Solomon Islands	43	44	45	46	46	48	49	49	49	49	1.3
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	944	944	944	944	-
Tuvalu	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	83	84	86	88	88	88	88	1.0
<b>Subregion</b>	<b>46</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>49</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>0.8</b>
<b>Asia</b>	<b>221</b>	<b>242</b>	<b>206</b>	<b>215</b>	<b>217</b>	<b>221</b>	<b>219</b>	<b>233</b>	<b>231</b>	<b>235</b>	<b>1.8</b>
<b>Industrialized Countries</b>											
Canada	91	93	99	...	...	99	...	...	99	99	1.0
France	1,610	1,619	1,620	1,621	1,622	1,623	1,622	1,623	1,624	1,624	0.1
Germany	1,738	1,823	1,834	1,835	1,753	1,839	1,880	1,880	661	661	-10.2
Italy	1,035	1,038	1,051	1,057	1,064	1,071	...	1,626	1,630	1,631	5.2
Japan	3,057	3,060	3,085	3,102	3,120	3,133	3,148	3,161	3,172	3,188	0.5
United Kingdom	1,488	1,488	1,498	1,505	1,508	1,517	1,524	1,529	1,536	2,539	6.1
United States	682	683	685	686	686	687	689	689	689	691	0.2
<b>Industrialized Group</b>	<b>516</b>	<b>519</b>	<b>524</b>	<b>878</b>	<b>877</b>	<b>526</b>	<b>879</b>	<b>903</b>	<b>516</b>	<b>529</b>	<b>0.3</b>
<b>World</b>	<b>232</b>	<b>236</b>	<b>192</b>	<b>190</b>	<b>190</b>	<b>200</b>	<b>195</b>	<b>188</b>	<b>201</b>	<b>201</b>	<b>-1.6</b>

... = Data not available; - = Magnitude equals zero.

DMC = developing member country; FSM = Federated States of Micronesia; km = kilometer; km<sup>2</sup> = square kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: The subregion total includes all countries with data. However for the subregion average growth rate, only the countries with data in both 1990 and 1999 were included. The average growth rates for Myanmar and Germany are during 1990–1996; Bangladesh, 1991–1999; Bhutan, 1990–1997; Sri Lanka, 1991–1996; Azerbaijan, 1994–1999; Tajikistan and Canada, 1990–1995; FSM, Samoa, and Tonga, 1996–1999; and Vanuatu, 1993–1999. Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.6:** Rail Lines (1,000 total route-km), 1980–2003

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Average Growth Rate, 1993–2003 (%)	
<b>East Asia</b>																										
PRC	49.9	50.2	50.6	51.6	51.6	52.1	52.5	52.6	52.8	53.2	53.4	53.4	53.6	53.8	54.0	54.6	56.0	57.6	57.9	58.7	59.1	59.5	60.4	60.4	1.17	
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Korea, Rep. of	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.5	1.14	
Mongolia	1.7	...	...	...	...	1.7	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	...	...	...	1.8	...	...	1.8	...	1.8	1.8	-0.59	
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Subregion</b>	<b>54.8</b>	<b>53.3</b>	<b>53.7</b>	<b>54.7</b>	<b>54.7</b>	<b>57.0</b>	<b>57.3</b>	<b>57.7</b>	<b>57.8</b>	<b>58.2</b>	<b>58.4</b>	<b>58.4</b>	<b>58.6</b>	<b>58.8</b>	<b>57.1</b>	<b>57.7</b>	<b>59.1</b>	<b>62.5</b>	<b>60.7</b>	<b>57.9</b>	<b>63.6</b>	<b>62.2</b>	<b>64.5</b>	<b>65.7</b>	<b>1.12</b>	
<b>Southeast Asia</b>																										
Cambodia	...	...	...	...	...	...	...	...	...	...	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.80
Indonesia	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	...	...	...	5.0	5.0	5.0	5.0	5.0	5.0	5.3	5.3	...	...	...	...	...	1.30	
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Malaysia	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	...	1.7	1.6	1.6	1.6	-0.19	
Myanmar	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Philippines	...	...	...	...	...	...	...	...	...	...	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	...	...	...	...	0.41	
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Thailand	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	0.63	
Viet Nam	...	...	...	...	...	...	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.1	2.5	2.5	-1.06	
<b>Subregion</b>	<b>15.0</b>	<b>15.0</b>	<b>15.0</b>	<b>15.0</b>	<b>15.0</b>	<b>17.9</b>	<b>17.9</b>	<b>17.9</b>	<b>11.5</b>	<b>11.4</b>	<b>12.8</b>	<b>17.8</b>	<b>14.4</b>	<b>14.4</b>	<b>14.5</b>	<b>14.6</b>	<b>14.6</b>	<b>14.9</b>	<b>14.9</b>	<b>8.0</b>	<b>9.5</b>	<b>2.2</b>	<b>4.8</b>	<b>4.8</b>	<b>-0.54</b>	
<b>South Asia</b>																										
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bangladesh	2.9	3.1	3.1	2.9	2.9	2.9	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	0.18	
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
India	61.2	61.2	61.4	61.5	61.9	61.8	61.8	62.0	62.0	62.2	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.7	63.5	62.8	62.8	62.8	63.1	63.1	0.11	
Maldives	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Nepal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pakistan	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.8	7.8	7.8	7.8	-1.18	
Sri Lanka	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	...	...	...	...	-0.50	
<b>Subregion</b>	<b>74.4</b>	<b>74.6</b>	<b>74.8</b>	<b>74.6</b>	<b>75.0</b>	<b>75.0</b>	<b>74.9</b>	<b>74.9</b>	<b>75.0</b>	<b>75.2</b>	<b>75.3</b>	<b>75.4</b>	<b>75.5</b>	<b>75.4</b>	<b>75.4</b>	<b>75.6</b>	<b>75.7</b>	<b>75.7</b>	<b>76.5</b>	<b>75.7</b>	<b>73.3</b>	<b>73.3</b>	<b>70.9</b>	<b>71.0</b>	<b>-0.05</b>	
<b>Central Asia</b>																										
Armenia	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	-1.71	
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Kazakhstan	...	...	...	...	...	...	...	...	...	14.5	14.5	14.4	13.5	...	...	...	...	13.7	...	...	13.5	...	13.6	13.8	0.18	
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Subregion</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.07</b>	
<b>Asia</b>																										
<b>145.0</b>	<b>143.8</b>	<b>144.3</b>	<b>145.2</b>	<b>145.6</b>	<b>147.8</b>	<b>150.9</b>	<b>151.3</b>	<b>145.1</b>	<b>145.7</b>	<b>161.8</b>	<b>166.9</b>	<b>163.8</b>	<b>163.1</b>	<b>147.9</b>	<b>148.8</b>	<b>150.3</b>	<b>171.3</b>	<b>156.6</b>	<b>146.1</b>	<b>164.4</b>	<b>138.6</b>	<b>162.2</b>	<b>162.3</b>	<b>162.3</b>	<b>0.42</b>	
<b>Industrialized Countries</b>																										
Canada	28.1	48.3	...	...	...	...	...	...	...	...	46.2	...	...	...	43.0	...	56.8	53.0	...	...	...	...	...	...	1.40	
France	34.4	34.4	34.6	34.7	34.7	34.6	34.6	34.6	34.6	34.3	34.1	33.4	32.7	32.6	32.3	31.9	31.7	31.8	31.7	31.4	29.3	29.4	29.3	29.3	-1.07	
Germany	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41.4	41.7	40.8	38.5	38.1	37.5	36.7	36.1	35.9	36.1	-1.37	
Italy	16.1	16.2	16.5	16.5	16.4	16.5	16.1	16.0	16.0	16.0	16.1	16.1	16.1	15.9	16.0	16.0	16.0	16.0	...	16.1	16.5	16.4	16.3	16.3	0.21	
Japan	22.2	22.6	23.4	23.3	23.1	22.8	22.0	21.2	20.9	20.3	20.3	20.3	20.3	20.3	20.3	20.1	...	20.2	...	...	20.2	20.2	20.1	18.5	-0.91	
United Kingdom	17.6	17.4	17.4	17.2	17.0	16.8	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5	16.5	...	...	...	...	...	...	...	...	...	0.31	
United States	265.8	281.5	256.7	251.4	245.2	235.1	225.9	213.3	205.7	200.4	193.2	188.1	182.3	178.1	176.3	174.6	170.2	164.5	161.9	160.1	159.8	...	...	...	-2.24	
<b>Industrialized Group</b>	<b>384.3</b>	<b>400.4</b>	<b>348.5</b>	<b>343.1</b>	<b>336.3</b>	<b>325.9</b>	<b>384.5</b>	<b>301.8</b>	<b>293.9</b>	<b>287.7</b>	<b>326.3</b>	<b>274.5</b>	<b>268.0</b>	<b>263.4</b>	<b>346.8</b>	<b>284.4</b>	<b>315.5</b>	<b>323.8</b>	<b>231.8</b>	<b>262.5</b>	<b>278.9</b>	<b>119.1</b>	<b>118.7</b>	<b>308.5</b>	<b>1.59</b>	

... = Data not available.

km = Kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: The subregion total includes all countries with data. However, for the subregion average growth rate, only the countries with data in both 1993 and 2003 were included. Data not available for Pacific developing member countries and are not imputed in estimates for Asia. Industrialized countries refer to the G7.

Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.7: Rail Network (km/million people), 1980–2003**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Average Growth Rate, 1993–2003 (%)	
<b>East Asia</b>																										
PRC	50.9	50.5	50.2	50.4	49.8	49.6	49.2	48.5	47.9	47.5	47.0	46.4	46.0	45.7	45.3	45.3	46.0	46.8	46.4	46.2	46.5	46.5	46.5	46.9	0.3	
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	82.2	80.6	79.4	78.1	77.1	76.3	75.6	75.3	75.0	73.9	72.1	71.4	70.8	70.3	69.8	68.8	68.1	67.9	67.4	...	66.4	66.0	65.7	72.5	0.3	
Mongolia	1,020.4	...	...	...	...	915.7	895.1	963.1	944.9	927.9	911.7	896.4	892.0	868.5	...	...	...	776.3	...	...	754.8	...	739.2	730.0	-1.7	
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>53.6</b>	<b>51.6</b>	<b>51.3</b>	<b>51.5</b>	<b>50.8</b>	<b>52.1</b>	<b>51.7</b>	<b>51.1</b>	<b>50.5</b>	<b>50.1</b>	<b>49.5</b>	<b>48.8</b>	<b>48.4</b>	<b>48.0</b>	<b>48.2</b>	<b>46.2</b>	<b>46.8</b>	<b>48.9</b>	<b>47.1</b>	<b>46.2</b>	<b>48.5</b>	<b>47.2</b>	<b>48.5</b>	<b>48.1</b>	<b>0.2</b>	
<b>Southeast Asia</b>																										
Cambodia	...	...	...	...	...	...	...	...	...	...	61.6	59.6	57.7	55.9	54.3	52.8	51.4	50.2	48.1	48.1	47.2	46.2	45.4	48.0	-1.5	
Indonesia	43.5	42.7	41.9	41.1	40.3	39.6	38.9	38.2	...	...	...	27.5	27.1	26.7	26.5	26.2	25.8	26.9	26.5	...	...	...	...	...	-0.1	
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaysia	119.1	116.1	113.2	112.2	109.2	106.4	103.7	101.0	98.5	96.0	93.5	91.0	88.6	86.3	84.1	81.9	79.8	76.9	75.0	...	72.6	69.6	68.2	66.9	-2.5	
Myanmar	94.6	92.6	90.7	88.9	87.2	85.5	84.0	82.5	81.0	79.6	81.9	80.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Philippines	...	...	...	...	...	...	...	...	...	...	7.8	7.7	7.5	7.3	7.2	6.7	6.5	6.6	6.7	6.6	...	...	...	...	...	-1.7
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	80.6	79.1	77.6	76.3	75.0	73.8	72.5	71.4	72.0	69.2	70.7	69.7	68.9	68.0	67.1	66.3	66.5	67.8	67.1	66.5	65.8	...	...	...	-0.5	
Viet Nam	...	...	...	...	...	...	47.0	45.9	44.8	43.7	42.8	41.9	41.0	40.3	38.5	38.8	38.1	37.5	37.0	36.5	...	...	31.6	31.3	-2.5	
<b>Subregion</b>	<b>62.0</b>	<b>60.8</b>	<b>59.6</b>	<b>58.6</b>	<b>57.5</b>	<b>56.4</b>	<b>53.9</b>	<b>52.9</b>	<b>66.7</b>	<b>64.8</b>	<b>51.0</b>	<b>40.7</b>	<b>35.9</b>	<b>35.2</b>	<b>34.7</b>	<b>34.5</b>	<b>33.9</b>	<b>34.0</b>	<b>33.6</b>	<b>35.4</b>	<b>53.8</b>	<b>61.3</b>	<b>40.7</b>	<b>40.5</b>	<b>1.4</b>	
<b>South Asia</b>																										
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bangladesh	35.0	36.9	38.0	32.5	31.9	31.2	29.7	28.2	27.6	27.0	26.4	25.8	25.2	24.3	23.7	23.2	22.8	22.5	22.1	21.9	21.3	20.9	...	...	-1.9	
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
India	89.1	87.1	85.4	83.7	82.5	80.8	79.1	77.6	76.0	74.7	73.4	72.1	70.8	69.5	68.2	67.2	66.1	65.0	64.7	62.8	61.8	60.8	60.2	59.3	-1.6	
Maldives	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nepal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pakistan	106.6	103.6	101.0	98.3	95.7	92.7	90.2	87.8	85.5	83.4	81.3	79.2	77.3	75.4	73.5	71.7	70.0	68.3	66.7	65.1	56.4	55.1	53.8	52.5	-3.6	
Sri Lanka	98.5	98.8	95.6	94.2	93.1	91.7	90.1	88.7	87.5	86.4	85.4	84.7	85.6	84.5	83.3	82.2	81.3	80.3	79.4	76.0	...	...	...	...	-1.8	
<b>Subregion</b>	<b>85.8</b>	<b>84.1</b>	<b>82.4</b>	<b>80.4</b>	<b>79.1</b>	<b>77.4</b>	<b>75.6</b>	<b>74.0</b>	<b>72.5</b>	<b>71.2</b>	<b>69.9</b>	<b>68.5</b>	<b>67.2</b>	<b>65.9</b>	<b>64.6</b>	<b>63.6</b>	<b>62.5</b>	<b>61.4</b>	<b>60.9</b>	<b>59.2</b>	<b>57.1</b>	<b>56.1</b>	<b>59.4</b>	<b>57.3</b>	<b>-1.4</b>	
<b>Central Asia</b>																										
Armenia	272.9	268.6	264.6	260.9	257.0	253.1	248.8	244.4	240.7	236.5	238.4	240.6	244.9	250.6	256.6	261.9	265.9	268.8	270.9	272.6	273.2	274.7	233.1	234.1	0.7	
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kazakhstan	...	...	...	...	...	...	...	...	...	...	884.8	878.7	876.3	828.4	...	...	...	...	...	...	...	...	...	...	...	...
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>272.9</b>	<b>268.6</b>	<b>264.6</b>	<b>260.9</b>	<b>257.0</b>	<b>253.1</b>	<b>248.8</b>	<b>244.4</b>	<b>240.7</b>	<b>236.5</b>	<b>238.4</b>	<b>240.6</b>	<b>244.9</b>	<b>250.6</b>	<b>256.6</b>	<b>261.9</b>	<b>265.9</b>	<b>430.4</b>	<b>163.3</b>	<b>422.4</b>	<b>274.7</b>	<b>371.0</b>	<b>388.6</b>	<b>-5.9</b>		
<b>Asia</b>																										
<b>Subregion</b>	<b>68.0</b>	<b>66.3</b>	<b>65.3</b>	<b>64.5</b>	<b>63.8</b>	<b>63.4</b>	<b>62.0</b>	<b>61.0</b>	<b>61.6</b>	<b>60.7</b>	<b>64.0</b>	<b>60.6</b>	<b>59.4</b>	<b>58.3</b>	<b>52.4</b>	<b>51.9</b>	<b>51.7</b>	<b>51.7</b>	<b>51.9</b>	<b>52.5</b>	<b>56.4</b>	<b>52.0</b>	<b>60.0</b>	<b>59.0</b>	<b>0.1</b>	
<b>Industrialized Countries</b>																										
Canada	1,143.7	1,939.4	...	...	...	...	2,641.1	...	...	...	1,660.8	...	...	...	1,477.6	...	1,913.4	1,766.4	...	...	...	...	...	...	1,582.5	0.6
France	637.8	634.6	635.0	634.2	631.3	628.5	625.3	622.8	618.5	609.2	600.5	597.0	571.8	569.9	559.7	552.2	546.3	545.5	543.3	536.0	498.2	497.4	492.5	487.6	-1.5	
Germany	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	-1.5
Italy	286.0	286.0	291.3	291.3	280.2	291.3	283.9	282.4	282.8	282.9	283.6	283.1	283.4	278.4	280.1	279.8	279.1	278.7	...	...	...	...	...	...	0.1	
Japan	190.4	192.1	197.3	195.4	192.5	188.8	180.8	173.7	170.7	165.2	164.0	163.4	163.0	162.6	162.1	160.5	...	...	...	...	...	...	...	...	-1.1	
United Kingdom	313.2	309.3	309.5	305.6	300.2	296.4	294.3	292.4	290.9	289.4	288.2	287.2	285.4	284.9	284.3	...	...	...	...	...	...	...	...	...	0.0	
United States	1,170.0	1,139.8	1,107.9	1,075.4	1,039.6	988.1	940.7	892.2	841.5	811.9	773.8	743.6	710.9	685.2	670.2	655.8	631.8	603.2	587.1	573.8	566.3	...	...	...	-3.3	
<b>Industrialized Group</b>	<b>718.1</b>	<b>742.8</b>	<b>673.5</b>	<b>659.0</b>	<b>642.0</b>	<b>618.2</b>	<b>600.7</b>	<b>565.5</b>	<b>547.5</b>	<b>532.3</b>	<b>570.5</b>	<b>500.5</b>	<b>484.8</b>	<b>472.9</b>	<b>514.9</b>	<b>483.4</b>	<b>635.6</b>	<b>516.9</b>	<b>556.8</b>	<b>489.7</b>	<b>417.7</b>	<b>308.6</b>	<b>307.1</b>	<b>434.7</b>	<b>-0.8</b>	

... = Data not available; 0.0 = Magnitude is less than half of unit employed.

km = kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: The subregion total includes all countries with data. However, for the subregion average growth rate, only the countries with data in both 1993 and 2003 were included. Data not available for Pacific developing member countries and are not imputed in estimates for Asia. Industrialized countries refer to the G7.

Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.8: Rail Network (km/1,000 km<sup>2</sup>), 1980–2003**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Average Growth Rate, 1993–2003 (%)	
<b>East Asia</b>																										
PRC	5.4	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.9	6.0	6.2	6.2	6.2	6.3	6.3	6.4	6.5	1.2	
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	31.8	31.6	31.6	31.6	31.6	31.5	31.5	31.7	31.9	31.7	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.6	31.6	...	31.6	31.6	31.7	35.1	1.1	
Mongolia	1.1	...	...	...	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	...	...	...	1.2	...	...	1.2	...	1.2	1.2	-0.6	
Taipei/China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>5.0</b>	<b>5.7</b>	<b>5.7</b>	<b>5.8</b>	<b>5.8</b>	<b>5.2</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.4</b>	<b>6.1</b>	<b>6.1</b>	<b>6.3</b>	<b>5.7</b>	<b>6.4</b>	<b>6.2</b>	<b>5.8</b>	<b>6.6</b>	<b>5.9</b>	<b>6.0</b>	<b>1.1</b>	
<b>Southeast Asia</b>																										
Cambodia	...	...	...	...	...	...	...	...	...	...	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	0.8
Indonesia	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	...	...	...	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	...	...	...	...	...	...	1.3
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaysia	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	...	5.1	5.0	5.0	5.0	-0.2	
Myanmar	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Philippines	...	...	...	...	...	...	...	...	...	...	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	...	...	...	...	...	0.4
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.3	7.6	7.6	7.6	7.6	7.6	7.6	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	0.6	
Viet Nam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.9</b>	<b>4.9</b>	<b>6.3</b>	<b>6.3</b>	<b>5.6</b>	<b>4.3</b>	<b>4.2</b>	<b>4.2</b>	<b>4.2</b>	<b>4.2</b>	<b>4.2</b>	<b>4.3</b>	<b>4.3</b>	<b>4.3</b>	<b>6.1</b>	<b>7.0</b>	<b>4.4</b>	<b>5.8</b>	<b>-0.5</b>	
<b>South Asia</b>																										
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bangladesh	22.1	23.9	23.9	22.1	22.2	21.6	21.1	21.1	21.1	21.1	21.1	21.1	21.1	20.8	20.8	20.8	20.8	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	0.2
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
India	20.6	20.6	20.6	20.7	20.8	20.8	20.8	20.8	20.8	20.9	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.2	21.2	0.1
Maldives	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nepal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pakistan	11.4	11.4	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	0.4
Sri Lanka	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.6	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	-1.2
<b>Subregion</b>	<b>18.9</b>	<b>18.9</b>	<b>19.0</b>	<b>18.9</b>	<b>19.0</b>	<b>19.0</b>	<b>19.0</b>	<b>19.0</b>	<b>19.0</b>	<b>19.1</b>	<b>19.1</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.2</b>	<b>19.4</b>	<b>19.2</b>	<b>18.9</b>	<b>18.9</b>	<b>18.9</b>	<b>18.3</b>	<b>-0.4</b>
<b>Central Asia</b>																										
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>7.9</b>	<b>8.6</b>	<b>8.6</b>	<b>8.7</b>	<b>8.7</b>	<b>8.1</b>	<b>8.1</b>	<b>8.1</b>	<b>8.6</b>	<b>8.6</b>	<b>8.5</b>	<b>8.0</b>	<b>7.8</b>	<b>7.7</b>	<b>8.8</b>	<b>8.8</b>	<b>8.9</b>	<b>8.0</b>	<b>9.1</b>	<b>9.7</b>	<b>8.5</b>	<b>10.0</b>	<b>8.3</b>	<b>8.6</b>	<b>1.0</b>	
<b>Asia</b>																										
<b>Industrialized Countries</b>																										
Canada	3.1	5.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
France	62.5	62.5	62.9	63.1	63.1	63.0	63.0	63.0	62.8	62.4	61.9	60.8	59.5	59.2	4.7	...	...	...	...	...	...	...	...	...	...	...
Germany	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Italy	54.9	55.0	56.0	56.0	55.8	56.1	54.6	54.3	54.5	54.5	54.7	54.6	54.8	54.2	118.6	119.6	117.0	110.2	109.3	107.4	105.0	103.3	102.8	103.3	-1.4	
Japan	60.7	61.7	63.8	63.6	63.3	62.5	60.2	58.2	57.4	55.8	55.6	55.5	55.6	55.5	55.6	55.2	...	...	...	...	...	...	...	...	...	
United Kingdom	72.9	72.0	72.0	71.2	70.1	69.5	69.1	68.9	68.7	68.6	68.6	68.5	68.3	68.4	...	...	...	...	...	...	...	...	...	...	...	...
United States	29.0	28.6	28.0	27.5	26.8	25.7	24.7	23.3	22.5	21.9	21.1	20.5	19.9	19.4	19.3	19.1	18.6	18.0	17.7	17.5	17.4	...	...	...	...	
<b>Industrialized Group</b>	<b>19.5</b>	<b>20.3</b>	<b>32.8</b>	<b>32.3</b>	<b>31.7</b>	<b>30.7</b>	<b>19.5</b>	<b>28.4</b>	<b>27.7</b>	<b>27.1</b>	<b>16.6</b>	<b>25.9</b>	<b>25.3</b>	<b>24.8</b>	<b>17.2</b>	<b>26.5</b>	<b>16.2</b>	<b>16.3</b>	<b>23.0</b>	<b>24.8</b>	<b>25.4</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>-4.7</b>

... = Data not available. km = kilometer; km<sup>2</sup> = square kilometer; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China. Notes: The subregion total includes all countries with data. However, for the subregion average growth rate, only the countries with data in both 1993 and 2003 were included. Data not available for Pacific developing member countries and are not imputed in estimates for Asia. Industrialized countries refer to the G7. Source: World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 1.9: Net Electricity Generation (billion kWh), 1980–2004**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>East Asia</b>														
PRC	285.47	294.02	311.76	334.64	358.72	390.68	427.35	472.47	517.85	555.54	590.34	643.11	716.02	795.71
Hong Kong, China	11.85	12.46	13.58	15.49	16.85	18.08	20.13	22.33	23.98	25.72	27.20	29.90	32.81	33.79
Korea, Rep. of	34.57	37.39	40.08	45.52	50.19	54.14	60.06	68.44	79.05	87.93	100.40	110.77	122.17	134.89
Mongolia	1.47	1.46	1.42	1.66	2.13	2.52	2.82	2.96	3.10	3.36	3.15	3.04	2.75	2.43
Taipei, China	42.01	41.33	42.72	47.47	51.48	52.55	59.03	65.52	71.64	80.26	83.34	90.94	96.95	105.70
<b>Subregion</b>	<b>375.37</b>	<b>386.66</b>	<b>409.57</b>	<b>444.78</b>	<b>479.36</b>	<b>517.98</b>	<b>569.38</b>	<b>631.72</b>	<b>695.62</b>	<b>752.80</b>	<b>804.43</b>	<b>877.75</b>	<b>970.70</b>	<b>1,072.52</b>
<b>Southeast Asia</b>														
Cambodia	0.10	0.13	0.13	0.10	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17
Indonesia	12.79	15.36	17.66	18.28	20.09	26.40	30.27	32.03	36.56	36.97	43.02	45.92	48.71	43.57
Lao PDR	0.96	1.14	1.19	1.06	0.98	0.90	0.86	0.57	0.53	0.70	0.86	0.92	0.90	0.91
Malaysia	10.19	10.90	11.50	12.69	13.79	15.00	15.29	16.47	18.44	20.78	23.95	26.82	27.75	32.89
Myanmar	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Philippines	17.07	17.50	18.46	19.67	20.08	21.82	21.28	20.78	22.70	24.66	24.41	23.61	22.84	23.52
Singapore	6.50	6.97	7.36	8.11	8.84	9.28	9.94	11.11	12.24	13.20	14.77	15.91	16.61	17.82
Thailand	13.58	14.55	15.77	18.77	20.91	22.91	24.65	28.40	32.11	37.04	43.65	47.40	53.88	59.78
Viet Nam	3.53	4.32	4.56	4.81	5.08	5.33	5.51	5.78	6.46	7.51	8.47	9.06	9.43	10.42
<b>Subregion</b>	<b>64.71</b>	<b>70.86</b>	<b>76.63</b>	<b>83.48</b>	<b>89.86</b>	<b>101.73</b>	<b>107.91</b>	<b>115.26</b>	<b>129.17</b>	<b>141.00</b>	<b>159.28</b>	<b>169.79</b>	<b>180.29</b>	<b>189.09</b>
<b>South Asia</b>														
Afghanistan	0.94	0.99	0.95	1.00	1.02	1.03	1.14	1.22	1.08	1.09	1.10	0.99	0.69	0.68
Bangladesh	2.67	3.03	3.43	3.57	4.09	4.62	4.85	5.58	6.49	7.04	7.62	8.44	9.02	9.31
Bhutan	0.02	0.02	0.02	0.02	0.02	0.01	0.30	1.17	1.53	1.53	1.55	1.56	1.61	1.61
India	119.26	131.12	139.41	144.99	161.74	174.93	191.90	208.24	229.43	255.10	275.49	300.31	315.97	339.34
Maldives	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
Nepal	0.21	0.25	0.24	0.34	0.36	0.36	0.46	0.57	0.58	0.56	0.90	0.93	0.86	0.91
Pakistan	14.51	15.56	19.81	21.92	24.56	26.49	29.05	32.26	37.08	38.75	36.35	39.56	46.24	45.12
Sri Lanka	1.64	1.84	2.05	2.05	2.23	2.44	2.62	2.65	2.76	2.83	3.12	3.33	3.17	3.93
<b>Subregion</b>	<b>139.25</b>	<b>152.81</b>	<b>165.92</b>	<b>173.89</b>	<b>194.03</b>	<b>209.89</b>	<b>230.32</b>	<b>251.70</b>	<b>278.97</b>	<b>306.92</b>	<b>326.15</b>	<b>355.14</b>	<b>377.58</b>	<b>400.92</b>
<b>Central Asia</b>														
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	8.62	6.13
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	18.58	18.07
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	78.56	73.56
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	11.73	11.05
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	16.61	17.53
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	12.39	11.88
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	48.17	46.57
<b>Subregion</b>	...	...	...	...	...	...	...	...	...	...	...	...	<b>194.65</b>	<b>184.80</b>
<b>Pacific DMCs</b>														
Cook Islands	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Fiji Islands	0.29	0.30	0.30	0.31	0.38	0.39	0.39	0.40	0.39	0.41	0.46	0.46	0.46	0.47
Kiribati	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	1.19	1.17	1.24	1.37	1.42	1.47	1.60	1.71	1.66	1.69	1.71	1.71	1.71	1.71
Samoa	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06
Solomon Islands	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03
<b>Subregion</b>	<b>1.60</b>	<b>1.60</b>	<b>1.68</b>	<b>1.82</b>	<b>1.94</b>	<b>2.01</b>	<b>2.14</b>	<b>2.27</b>	<b>2.22</b>	<b>2.27</b>	<b>2.34</b>	<b>2.34</b>	<b>2.36</b>	<b>2.37</b>
<b>Asia</b>	<b>580.93</b>	<b>611.92</b>	<b>653.80</b>	<b>703.97</b>	<b>765.19</b>	<b>831.61</b>	<b>909.76</b>	<b>1,000.96</b>	<b>1,105.97</b>	<b>1,202.98</b>	<b>1,292.20</b>	<b>1,405.04</b>	<b>1,725.58</b>	<b>1,849.69</b>
<b>Industrialized Countries</b>														
Canada	367.91	380.33	378.52	397.45	427.08	448.07	457.59	484.31	491.33	485.46	468.69	494.30	505.60	518.12
France	250.81	262.24	264.85	280.63	306.92	325.04	342.48	356.69	371.39	385.01	397.58	430.08	439.40	448.56
Germany	469.86	464.45	463.96	471.67	504.61	521.77	523.21	531.26	548.39	530.55	526.01	506.52	504.63	494.13
Italy	176.37	170.95	174.12	171.58	171.12	173.31	179.69	188.74	174.78	196.57	202.06	207.46	212.46	208.67
Japan	549.11	548.91	553.49	587.05	619.43	639.60	645.61	697.00	728.81	766.15	817.25	845.67	852.91	861.74
United Kingdom	265.14	258.95	254.03	257.55	262.25	275.22	279.83	284.20	289.08	295.24	298.95	302.24	300.14	300.47
United States	2,289.60	2,297.97	2,244.37	2,313.45	2,419.47	2,473.00	2,490.47	2,575.29	2,707.41	2,967.31	3,041.50	3,078.34	3,088.06	3,201.23
<b>Industrialized Group</b>	<b>4,368.80</b>	<b>4,383.80</b>	<b>4,333.33</b>	<b>4,479.36</b>	<b>4,710.88</b>	<b>4,856.01</b>	<b>4,918.88</b>	<b>5,117.49</b>	<b>5,311.19</b>	<b>5,626.30</b>	<b>5,752.04</b>	<b>5,864.62</b>	<b>5,903.19</b>	<b>6,032.93</b>
<b>World</b>	<b>8,026.91</b>	<b>8,083.34</b>	<b>8,262.85</b>	<b>8,602.90</b>	<b>9,095.48</b>	<b>9,477.08</b>	<b>9,679.53</b>	<b>10,123.02</b>	<b>10,554.41</b>	<b>11,076.41</b>	<b>11,322.63</b>	<b>11,554.76</b>	<b>11,641.27</b>	<b>11,906.93</b>

... = Data not available; 0.0 = Magnitude is less than half of unit employed.

DMC = developing member country; FSM = Federated States of Micronesia; kWh = kilowatt-hour; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Source: Energy Information Administration, International Energy Annual 2004 (<http://www.eia.doe.gov/pub/international/iealf/table63.xls>).

Appendix Table 1.9 continued

Country	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Average Growth Rate, 1994-2004 (%)
<b>East Asia</b>												
PRC	880.35	956.09	1,005.32	1,069.88	1,103.20	1,171.21	1,300.37	1,409.62	1,570.39	1,806.76	2,079.75	9.0
Hong Kong, China	25.14	26.24	26.74	27.21	29.53	27.73	29.45	30.49	32.26	33.38	34.90	3.3
Korea, Rep. of	171.39	189.83	211.40	230.66	225.93	222.98	249.15	265.88	311.90	325.72	345.19	7.3
Mongolia	2.55	2.47	2.46	2.50	2.52	2.67	2.77	2.84	2.32	2.95	3.76	3.9
Taipei,China	114.23	113.24	120.00	126.86	137.01	139.68	149.78	151.11	158.54	165.96	172.96	4.2
<b>Subregion</b>	<b>1,193.67</b>	<b>1,287.88</b>	<b>1,365.92</b>	<b>1,457.10</b>	<b>1,498.18</b>	<b>1,564.27</b>	<b>1,731.52</b>	<b>1,859.94</b>	<b>2,075.40</b>	<b>2,334.77</b>	<b>2,636.56</b>	<b>8.2</b>
<b>Southeast Asia</b>												
Cambodia	0.18	0.19	0.21	0.16	0.16	0.14	0.15	0.10	0.12	0.12	0.13	-3.1
Indonesia	49.76	56.84	63.92	73.03	75.85	81.69	87.63	96.19	102.27	106.65	112.58	8.5
Lao PDR	0.89	1.07	1.23	1.21	2.21	2.59	3.64	3.59	3.56	3.77	3.94	16.0
Malaysia	37.07	43.02	48.56	54.57	57.27	61.65	65.43	67.42	70.01	74.01	78.24	7.8
Myanmar	...	...	...	...	...	...	...	...	...	...	...	...
Philippines	28.99	31.91	34.92	37.80	39.43	39.33	43.08	44.69	46.01	50.18	53.13	6.2
Singapore	19.60	20.91	22.05	24.62	26.02	26.97	28.52	29.80	30.76	31.68	32.64	5.2
Thailand	67.13	75.58	82.40	86.55	82.58	84.82	90.53	96.60	102.87	110.36	121.75	6.1
Viet Nam	12.00	14.31	16.53	18.57	20.92	22.83	25.69	29.68	34.56	39.42	40.11	12.8
<b>Subregion</b>	<b>215.62</b>	<b>243.84</b>	<b>269.82</b>	<b>296.49</b>	<b>304.44</b>	<b>320.03</b>	<b>344.67</b>	<b>368.07</b>	<b>390.16</b>	<b>416.19</b>	<b>442.51</b>	<b>7.5</b>
<b>South Asia</b>												
Afghanistan	0.67	0.61	0.55	0.50	0.46	0.46	0.72	0.65	0.75	0.83	0.73	0.9
Bangladesh	10.01	10.41	10.82	11.18	12.15	13.63	14.87	16.40	17.60	18.59	18.09	6.1
Bhutan	1.66	1.72	1.85	1.82	1.78	1.78	1.79	1.88	1.88	1.88	2.05	2.1
India	366.10	396.02	412.59	441.07	470.65	504.35	529.12	548.02	563.53	598.75	630.57	5.6
Maldives	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.15	13.3
Nepal	0.98	1.22	1.20	1.09	1.22	1.51	1.68	1.86	2.12	2.24	2.36	9.2
Pakistan	52.06	51.85	52.26	57.86	59.94	62.49	63.40	68.86	72.44	77.48	80.24	4.4
Sri Lanka	4.33	4.74	4.42	5.01	5.54	6.02	6.45	6.28	6.54	7.32	7.71	6.0
<b>Subregion</b>	<b>435.84</b>	<b>466.61</b>	<b>483.75</b>	<b>518.59</b>	<b>551.82</b>	<b>590.32</b>	<b>618.12</b>	<b>644.06</b>	<b>664.96</b>	<b>707.23</b>	<b>741.90</b>	<b>5.5</b>
<b>Central Asia</b>												
Armenia	5.49	5.04	5.84	5.66	5.82	5.56	5.62	5.57	5.22	5.21	5.72	0.4
Azerbaijan	16.61	16.10	16.14	15.91	17.02	17.16	17.65	17.90	18.47	20.13	20.35	2.1
Kazakhstan	63.24	63.18	55.95	49.49	46.60	44.96	48.91	52.43	55.28	60.42	63.26	0.0
Kyrgyz Republic	12.74	12.16	13.55	12.43	11.42	12.98	14.71	13.47	11.75	13.83	14.06	1.0
Tajikistan	16.80	14.61	14.84	13.85	14.27	15.62	14.09	14.22	15.13	16.33	16.50	-0.2
Turkmenistan	9.87	9.21	9.50	8.93	8.85	8.33	9.26	9.97	10.06	10.15	10.79	0.9
Uzbekistan	45.29	44.91	43.02	43.58	43.43	42.87	44.32	44.95	46.67	46.75	46.45	0.3
<b>Subregion</b>	<b>170.04</b>	<b>165.21</b>	<b>158.83</b>	<b>149.84</b>	<b>147.41</b>	<b>147.47</b>	<b>154.56</b>	<b>158.51</b>	<b>162.57</b>	<b>172.83</b>	<b>177.13</b>	<b>0.4</b>
<b>Pacific DMCs</b>												
Cook Islands	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	6.4
Fiji Islands	0.51	0.53	0.53	0.54	0.62	0.69	0.67	0.71	0.77	0.81	0.82	4.8
Kiribati	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.4
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.7
Palau	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	1.71	1.52	1.70	1.56	2.09	1.88	2.10	2.57	2.76	3.03	3.36	7.0
Samoa	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.10	0.10	0.11	5.7
Solomon Islands	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.06	6.2
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.04	4.3
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.8
<b>Subregion</b>	<b>2.42</b>	<b>2.29</b>	<b>2.49</b>	<b>2.37</b>	<b>2.98</b>	<b>2.86</b>	<b>3.06</b>	<b>3.59</b>	<b>3.82</b>	<b>4.15</b>	<b>4.49</b>	<b>6.4</b>
<b>Asia</b>	<b>2,017.59</b>	<b>2,165.82</b>	<b>2,280.80</b>	<b>2,424.39</b>	<b>2,504.83</b>	<b>2,624.94</b>	<b>2,851.93</b>	<b>3,034.17</b>	<b>3,296.91</b>	<b>3,635.16</b>	<b>4,002.58</b>	<b>7.1</b>
<b>Industrialized Countries</b>												
Canada	539.80	544.17	557.26	557.58	545.66	562.65	587.87	571.79	583.34	569.41	572.99	0.6
France	453.82	469.01	485.08	478.20	483.95	496.26	511.83	520.96	528.10	535.45	540.55	1.8
Germany	496.46	503.93	520.78	518.69	522.85	520.14	536.07	549.49	535.99	561.57	566.89	1.3
Italy	217.29	225.05	227.18	233.87	240.56	246.04	256.04	258.01	262.96	268.18	277.58	2.5
Japan	916.76	942.16	961.37	991.60	996.95	1,001.32	993.25	975.82	993.27	982.76	974.40	0.6
United Kingdom	302.83	308.24	329.20	327.37	340.85	344.60	353.07	360.55	363.14	373.26	363.17	1.8
United States	3,250.90	3,356.21	3,447.28	3,496.21	3,624.76	3,700.91	3,807.64	3,745.47	3,867.20	3,891.72	3,979.04	2.0
<b>Industrialized Group</b>	<b>6,177.87</b>	<b>6,348.78</b>	<b>6,528.15</b>	<b>6,603.53</b>	<b>6,755.57</b>	<b>6,871.92</b>	<b>7,045.77</b>	<b>6,982.08</b>	<b>7,133.98</b>	<b>7,182.36</b>	<b>7,274.63</b>	<b>1.6</b>
<b>World</b>	<b>12,180.41</b>	<b>12,624.62</b>	<b>13,010.15</b>	<b>13,345.51</b>	<b>13,681.63</b>	<b>14,017.46</b>	<b>14,595.75</b>	<b>14,799.76</b>	<b>15,342.24</b>	<b>15,883.52</b>	<b>16,599.09</b>	<b>3.1</b>

**Appendix Table 1.10: Net Electricity Generation per Capita (kWh/person), 1980–2004**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>East Asia</b>															
PRC	291	296	309	327	346	372	401	436	470	497	520	559	615	675	739
Hong Kong, China	2,339	2,404	2,580	2,899	3,121	3,314	3,643	3,994	4,261	4,523	4,769	5,198	5,657	5,727	4,165
Korea, Rep. of	907	965	1,019	1,141	1,242	1,327	1,458	1,646	1,883	2,075	2,342	2,560	2,798	3,062	3,856
Mongolia	882	854	805	916	1,142	1,320	1,442	1,487	1,527	1,621	1,494	1,417	1,265	1,098	1,138
Taipei, China	2,382	2,300	2,335	2,552	2,728	2,746	3,026	3,321	3,616	4,005	4,112	4,438	4,687	5,064	5,420
<b>Subregion</b>	<b>360</b>	<b>366</b>	<b>382</b>	<b>408</b>	<b>434</b>	<b>463</b>	<b>502</b>	<b>548</b>	<b>594</b>	<b>633</b>	<b>667</b>	<b>718</b>	<b>785</b>	<b>857</b>	<b>943</b>
<b>Southeast Asia</b>															
Cambodia	15	19	19	14	12	13	14	14	15	15	16	16	16	16	16
Indonesia	86	102	114	116	125	162	182	190	213	211	241	253	264	233	262
Lao PDR	300	348	355	309	277	247	230	149	134	174	208	216	206	203	194
Malaysia	740	772	794	853	903	957	950	998	1,088	1,196	1,342	1,464	1,475	1,702	1,869
Myanmar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Philippines	355	355	365	380	379	402	383	365	389	413	399	378	357	359	433
Singapore	2,692	2,751	2,781	3,024	3,235	3,393	3,638	4,002	4,300	4,503	4,848	5,072	5,140	5,377	5,729
Thailand	293	308	328	383	420	453	479	543	605	688	799	855	959	1,050	1,165
Viet Nam	66	79	82	85	88	91	91	94	102	116	128	134	137	148	167
<b>Subregion</b>	<b>201</b>	<b>215</b>	<b>228</b>	<b>243</b>	<b>257</b>	<b>285</b>	<b>296</b>	<b>310</b>	<b>340</b>	<b>364</b>	<b>403</b>	<b>422</b>	<b>439</b>	<b>453</b>	<b>507</b>
<b>South Asia</b>															
Afghanistan	62	66	64	69	72	66	71	73	64	63	62	55	37	36	35
Bangladesh	32	36	40	40	45	50	51	57	65	69	73	79	83	84	88
Bhutan	33	40	43	42	38	20	553	2,080	2,659	2,602	2,580	2,526	2,522	2,449	2,458
India	174	187	194	198	216	229	245	261	281	306	324	347	358	377	400
Maldives	25	31	36	41	51	71	79	92	94	96	107	117	122	160	176
Nepal	14	16	15	21	22	21	26	32	32	30	47	47	43	44	46
Pakistan	175	183	227	244	266	279	298	323	361	368	337	357	407	387	436
Sri Lanka	111	122	135	133	143	154	163	162	166	168	183	193	182	223	242
<b>Subregion</b>	<b>155</b>	<b>166</b>	<b>177</b>	<b>181</b>	<b>198</b>	<b>209</b>	<b>225</b>	<b>240</b>	<b>261</b>	<b>281</b>	<b>292</b>	<b>312</b>	<b>325</b>	<b>338</b>	<b>361</b>
<b>Central Asia</b>															
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	2,497	1,818	1,668
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	2,517	2,411	2,186
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	4,779	4,504	3,929
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	2,579	2,433	2,807
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	3,010	3,127	2,953
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	3,190	2,972	2,406
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	2,239	2,116	2,015
<b>Subregion</b>	...	...	...	...	...	...	...	...	...	...	...	...	<b>3,103</b>	<b>2,917</b>	<b>2,666</b>
<b>Pacific DMCs</b>															
Cook Islands	559	621	575	517	585	640	719	788	734	848	882	824	789	761	769
Fiji Islands	458	458	455	455	542	545	548	561	548	564	633	634	625	630	671
Kiribati	86	84	82	80	94	92	90	103	101	99	97	95	93	91	89
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...	...	...	2,823	2,819	2,815
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	367	352	364	392	397	403	427	447	424	421	414	404	394	383	374
Samoa	239	238	270	243	249	255	273	278	276	300	298	295	354	351	372
Solomon Islands	87	101	98	94	99	99	100	97	94	91	95	92	90	87	85
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	93	124	126	127	129	130	130	173	215	224	244	253	262	261	280
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	162	166	171	182	186	189	185	173	169	165	161	163	170	166	161
<b>Subregion</b>	<b>352</b>	<b>343</b>	<b>352</b>	<b>371</b>	<b>388</b>	<b>393</b>	<b>411</b>	<b>427</b>	<b>409</b>	<b>409</b>	<b>413</b>	<b>405</b>	<b>398</b>	<b>390</b>	<b>388</b>
<b>Asia</b>	<b>256</b>	<b>265</b>	<b>278</b>	<b>294</b>	<b>314</b>	<b>335</b>	<b>360</b>	<b>388</b>	<b>421</b>	<b>450</b>	<b>475</b>	<b>507</b>	<b>600</b>	<b>633</b>	<b>680</b>
<b>Industrialized Countries</b>															
Canada	14,960	15,274	15,019	15,613	16,616	17,272	17,463	18,241	18,268	17,731	16,865	17,546	17,728	17,969	18,542
France	4,655	4,840	4,861	5,128	5,586	5,892	6,183	6,412	6,646	6,822	7,008	7,548	7,676	7,805	7,870
Germany	6,001	5,923	5,923	6,038	6,482	6,715	6,731	6,825	7,018	6,737	6,622	6,330	6,259	6,089	6,090
Italy	3,125	3,026	3,079	3,033	3,025	3,062	3,175	3,335	3,086	3,469	3,562	3,656	3,737	3,658	3,804
Japan	4,702	4,666	4,673	4,922	5,161	5,297	5,314	5,709	5,944	6,223	6,615	6,824	6,866	6,920	7,336
United Kingdom	4,707	4,595	4,511	4,568	4,641	4,855	4,922	4,985	5,058	5,147	5,194	5,234	5,184	5,177	5,207
United States	10,076	10,014	9,688	9,895	10,260	10,394	10,371	10,629	11,073	12,022	12,184	12,168	12,039	12,316	12,355
<b>Industrialized Group</b>	<b>7,121</b>	<b>7,100</b>	<b>6,978</b>	<b>7,175</b>	<b>7,508</b>	<b>7,699</b>	<b>7,754</b>	<b>8,021</b>	<b>8,275</b>	<b>8,702</b>	<b>8,830</b>	<b>8,932</b>	<b>8,919</b>	<b>9,045</b>	<b>9,198</b>
<b>World</b>	<b>1,811</b>	<b>1,793</b>	<b>1,801</b>	<b>1,843</b>	<b>1,917</b>	<b>1,964</b>	<b>1,972</b>	<b>2,027</b>	<b>2,078</b>	<b>2,144</b>	<b>2,154</b>	<b>2,163</b>	<b>2,146</b>	<b>2,164</b>	<b>2,181</b>

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; kWh = kilowatt-hour; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Sources: Energy Information Administration, International Energy Annual 2004 (<http://www.eia.doe.gov/pub/international/iealf/table63.xls>); and World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

Appendix Table 1.10 continued

Country	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Average Growth Rate, 1994–2004 (%)
<b>East Asia</b>											
PRC	794	826	870	888	934	1,030	1,108	1,226	1,402	1,605	8.1
Hong Kong, China	4,263	4,154	4,193	4,513	4,197	4,419	4,533	4,752	4,906	5,071	2.0
Korea, Rep. of	4,210	4,644	5,019	4,881	4,783	5,300	5,615	6,550	6,807	7,179	6.4
Mongolia	1,086	1,066	1,073	1,067	1,123	1,155	1,171	946	1,190	1,494	2.8
Taipei, China	5,327	5,601	5,873	6,275	6,347	6,755	6,764	7,059	7,358	7,639	3.5
<b>Subregion</b>	<b>1,006</b>	<b>1,056</b>	<b>1,115</b>	<b>1,136</b>	<b>1,175</b>	<b>1,291</b>	<b>1,377</b>	<b>1,526</b>	<b>1,707</b>	<b>1,916</b>	<b>7.3</b>
<b>Southeast Asia</b>											
Cambodia	16	18	13	13	11	12	8	9	9	9	-5.2
Indonesia	295	327	369	378	401	425	460	483	497	517	7.0
Lao PDR	229	257	245	438	501	689	664	644	665	680	13.3
Malaysia	2,113	2,324	2,547	2,608	2,742	2,845	2,870	2,921	3,029	3,143	5.3
Myanmar	...	...	...	...	...	...	...	...	...	...	...
Philippines	467	500	530	541	529	569	579	585	626	651	4.2
Singapore	5,930	6,008	6,488	6,634	6,824	7,097	7,213	7,374	7,570	7,697	3.0
Thailand	1,296	1,397	1,451	1,371	1,394	1,474	1,558	1,644	1,748	1,911	5.1
Viet Nam	196	222	246	273	295	327	373	430	485	488	11.3
<b>Subregion</b>	<b>564</b>	<b>614</b>	<b>664</b>	<b>671</b>	<b>695</b>	<b>738</b>	<b>777</b>	<b>812</b>	<b>854</b>	<b>896</b>	<b>5.9</b>
<b>South Asia</b>											
Afghanistan	32	28	25	23	22	34	31	34	37	32	-1.1
Bangladesh	89	91	92	98	108	115	125	131	136	130	4.0
Bhutan	2,469	2,588	2,470	2,350	2,281	2,227	2,267	2,208	2,153	2,288	-0.7
India	425	435	457	479	505	521	531	537	563	584	3.9
Maldives	214	227	251	280	308	338	366	386	424	467	10.2
Nepal	56	54	48	52	63	69	74	83	86	89	6.7
Pakistan	424	417	450	456	464	459	487	500	522	528	1.9
Sri Lanka	261	241	270	295	316	333	335	344	380	397	5.1
<b>Subregion</b>	<b>379</b>	<b>386</b>	<b>406</b>	<b>424</b>	<b>446</b>	<b>458</b>	<b>470</b>	<b>477</b>	<b>499</b>	<b>515</b>	<b>3.6</b>
<b>Central Asia</b>											
Armenia	1,561	1,836	1,800	1,867	1,794	1,823	1,817	1,710	1,716	1,889	1.2
Azerbaijan	2,095	2,079	2,030	2,150	2,150	2,193	2,206	2,260	2,445	2,450	1.1
Kazakhstan	3,995	3,592	3,228	3,092	3,011	3,286	3,529	3,720	4,053	4,219	0.7
Kyrgyz Republic	2,650	2,909	2,630	2,380	2,667	2,992	2,718	2,352	2,746	2,761	-0.2
Tajikistan	2,533	2,537	2,335	2,373	2,566	2,287	2,284	2,404	2,567	2,567	-1.4
Turkmenistan	2,197	2,224	2,060	2,016	1,874	2,056	2,185	2,172	2,161	2,263	-0.6
Uzbekistan	1,959	1,845	1,840	1,807	1,759	1,793	1,792	1,834	1,810	1,772	-1.3
<b>Subregion</b>	<b>2,573</b>	<b>2,458</b>	<b>2,305</b>	<b>2,256</b>	<b>2,242</b>	<b>2,331</b>	<b>2,371</b>	<b>2,410</b>	<b>2,538</b>	<b>2,574</b>	<b>-0.4</b>
<b>Pacific DMCs</b>											
Cook Islands	979	950	1,038	1,092	1,273	1,333	1,319	1,413	1,467	1,379	6.0
Fiji Islands	694	687	687	778	853	825	862	926	973	972	3.8
Kiribati	88	86	120	116	136	143	129	127	135	133	4.1
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...
Nauru	3,011	3,007	3,002	2,998	3,094	3,089	2,786	2,782	2,975	2,970	0.5
Palau	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	325	354	317	413	364	397	475	498	536	582	4.5
Samoa	392	435	448	506	541	547	636	558	559	588	4.7
Solomon Islands	157	152	151	146	152	139	125	122	121	118	3.4
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...
Tonga	289	328	346	354	331	299	318	336	335	402	3.7
Tuvalu	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	163	170	183	190	186	204	222	211	202	207	2.6
<b>Subregion</b>	<b>360</b>	<b>381</b>	<b>355</b>	<b>437</b>	<b>410</b>	<b>430</b>	<b>494</b>	<b>515</b>	<b>549</b>	<b>583</b>	<b>4.2</b>
<b>Asia</b>	<b>719</b>	<b>746</b>	<b>781</b>	<b>796</b>	<b>823</b>	<b>883</b>	<b>928</b>	<b>996</b>	<b>1,085</b>	<b>1,181</b>	<b>5.7</b>
<b>Industrialized Countries</b>											
Canada	18,538	18,781	18,594	18,039	18,448	19,106	18,396	18,600	18,002	17,920	-0.3
France	8,108	8,360	8,215	8,287	8,465	8,690	8,801	8,861	8,920	8,952	1.3
Germany	6,172	6,358	6,320	6,373	6,336	6,521	6,674	6,496	6,804	6,870	1.2
Italy	3,934	3,959	4,066	4,177	4,268	4,438	4,471	4,558	4,652	4,821	2.4
Japan	7,511	7,644	7,864	7,887	7,906	7,829	7,675	7,797	7,703	7,627	0.4
United Kingdom	5,292	5,641	5,599	5,817	5,867	5,910	6,060	6,123	6,265	6,066	1.5
United States	12,604	12,796	12,823	13,140	13,263	13,492	13,127	13,411	13,382	13,550	0.9
<b>Industrialized Group</b>	<b>9,392</b>	<b>9,593</b>	<b>9,640</b>	<b>9,803</b>	<b>9,912</b>	<b>10,088</b>	<b>9,942</b>	<b>10,102</b>	<b>10,119</b>	<b>10,192</b>	<b>1.0</b>
<b>World</b>	<b>2,228</b>	<b>2,263</b>	<b>2,291</b>	<b>2,316</b>	<b>2,342</b>	<b>2,408</b>	<b>2,411</b>	<b>2,469</b>	<b>2,525</b>	<b>2,608</b>	<b>1.8</b>

**Appendix Table 1.11: Water and Sanitation (1,000 people), 1990 and 2004**

Country	Number of People with Access to an Improved Water Source						Number of People with Access to Improved Sanitation					
	1990			2004			1990			2004		
	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
<b>East Asia</b>												
PRC	808,252	313,388	494,864	1,005,660	476,118	529,542	261,307	202,595	58,713	574,550	353,249	221,301
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	...	30,706	...	43,752	37,184	6,568	...	...	...	...	...	...
Mongolia	1,385	1,100	286	1,628	1,289	340	...	...	...	1,530	1,111	419
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>840,344</b>	<b>345,194</b>	<b>495,149</b>	<b>1,051,883</b>	<b>514,590</b>	<b>536,450</b>	<b>261,307</b>	<b>202,595</b>	<b>58,713</b>	<b>576,080</b>	<b>354,360</b>	<b>221,720</b>
<b>Southeast Asia</b>												
Cambodia	...	...	...	5,556	1,658	3,898	...	...	...	2,264	1,373	891
Indonesia	130,381	51,045	79,335	169,064	88,639	80,425	82,658	36,065	46,594	120,998	74,375	46,623
Lao PDR	...	...	...	2,894	915	1,979	...	...	...	1,697	776	921
Malaysia	17,488	8,891	8,597	24,330	16,295	8,035	...	8,446	...	23,264	15,480	7,784
Myanmar	23,107	8,718	14,390	38,826	11,954	26,872	9,764	4,866	4,899	38,276	13,149	25,127
Philippines	53,354	28,314	25,040	69,013	43,549	25,464	34,695	19,671	15,024	58,367	40,045	18,322
Singapore	3,016	3,016	...	4,255	4,255	...	3,016	3,016	...	4,255	4,255	...
Thailand	52,004	15,755	36,248	63,201	19,966	43,235	43,809	15,273	28,536	62,769	19,966	42,802
Viet Nam	43,219	12,069	31,150	70,398	21,217	49,181	23,617	7,778	15,839	50,455	19,917	30,738
<b>Subregion</b>	<b>322,568</b>	<b>127,808</b>	<b>194,760</b>	<b>447,537</b>	<b>208,448</b>	<b>239,090</b>	<b>206,005</b>	<b>95,114</b>	<b>110,891</b>	<b>362,345</b>	<b>189,137</b>	<b>173,208</b>
<b>South Asia</b>												
Afghanistan	625	267	358	10,715	3,954	6,761	426	187	239	9,400	3,075	6,325
Bangladesh	74,672	17,071	57,601	103,233	27,921	75,312	21,330	11,312	10,017	53,976	17,366	36,610
Bhutan	...	...	...	1,322	192	1,129	...	...	...	1,463	145	1,318
India	597,877	193,134	404,743	936,738	293,045	643,693	116,624	97,652	18,972	352,614	181,996	170,618
Maldives	208	56	152	263	91	172	...	56	...	188	93	95
Nepal	13,280	1,607	11,673	23,806	3,816	19,990	2,032	812	1,220	9,203	2,465	6,738
Pakistan	92,929	32,434	60,495	140,947	50,912	90,034	41,180	27,996	13,185	90,268	48,791	41,476
Sri Lanka	11,914	2,784	9,131	15,959	3,074	12,885	12,148	2,723	9,425	18,571	3,074	15,497
<b>Subregion</b>	<b>791,506</b>	<b>247,353</b>	<b>544,152</b>	<b>1,232,983</b>	<b>383,006</b>	<b>849,977</b>	<b>193,796</b>	<b>140,738</b>	<b>53,058</b>	<b>535,682</b>	<b>257,005</b>	<b>278,677</b>
<b>Central Asia</b>												
Armenia	...	2,367	...	2,792	1,926	866	...	2,295	...	2,528	1,868	660
Azerbaijan	4,879	3,178	1,702	6,473	4,076	2,397	...	...	...	4,595	3,132	1,462
Kazakhstan	14,273	9,005	5,268	12,888	8,236	4,652	11,829	8,077	3,752	10,701	7,387	3,314
Kyrgyz Republic	3,431	1,627	1,804	4,022	1,818	2,204	2,639	1,245	1,394	3,094	1,391	1,703
Tajikistan	...	...	...	3,791	1,475	2,316	...	...	...	3,293	1,122	2,171
Turkmenistan	...	...	...	3,422	2,034	1,388	...	...	...	2,969	1,684	1,285
Uzbekistan	19,328	8,148	11,180	21,551	9,154	12,397	10,470	5,679	4,792	17,599	7,516	10,083
<b>Subregion</b>	<b>44,279</b>	<b>24,325</b>	<b>19,954</b>	<b>54,939</b>	<b>28,719</b>	<b>26,220</b>	<b>27,234</b>	<b>17,296</b>	<b>9,938</b>	<b>44,779</b>	<b>24,100</b>	<b>20,679</b>
<b>Pacific DMCs</b>												
Cook Islands	17	10	7	17	12	5	17	10	7	18	12	6
Fiji Islands	...	...	...	394	181	213	494	262	232	596	367	230
Kiribati	35	19	16	62	35	28	18	8	10	38	27	11
Marshall Islands	46	29	16	51	32	19	36	27	9	48	36	12
FSM	84	23	61	103	23	80	28	14	14	27	15	12
Nauru	...	...	...	...	...	...	...	...	...	...	...	...
Palau	13	8	5	16	11	6	11	8	3	16	13	3
Papua New Guinea	1,619	476	1,143	2,267	674	1,593	1,827	362	1,465	2,554	513	2,041
Samoa	147	34	113	161	37	124	158	34	124	183	41	143
Solomon Islands	...	...	...	323	72	251	...	42	...	145	75	69
Timor-Leste, Dem. Rep. of	...	...	...	539	174	365	...	...	...	364	149	215
Tonga	94	21	73	102	24	78	91	21	70	98	24	75
Tuvalu	9	4	5	9	5	5	8	3	4	9	5	4
Vanuatu	90	26	64	124	41	83	...	...	...	104	37	67
<b>Subregion</b>	<b>2,154</b>	<b>650</b>	<b>1,504</b>	<b>4,170</b>	<b>1,321</b>	<b>2,849</b>	<b>2,731</b>	<b>792</b>	<b>1,939</b>	<b>4,201</b>	<b>1,314</b>	<b>2,887</b>
<b>Asia</b>	<b>2,000,850</b>	<b>745,331</b>	<b>1,255,519</b>	<b>2,790,669</b>	<b>1,136,084</b>	<b>1,654,585</b>	<b>691,073</b>	<b>456,534</b>	<b>234,539</b>	<b>1,523,087</b>	<b>825,916</b>	<b>697,171</b>
<b>Industrialized Countries</b>												
Canada	27,636	21,214	6,422	31,851	25,516	6,335	27,636	21,214	6,422	31,851	25,516	6,335
France	56,735	42,016	14,719	60,221	46,075	14,147	...	...	...	...	...	...
Germany	79,433	58,295	21,138	82,624	62,098	20,527	79,433	58,295	21,138	82,624	62,098	20,527
Italy	...	37,847	...	...	39,185	...	...	...	...	...	...	...
Japan	123,538	77,916	45,622	127,855	83,986	43,868	123,538	77,916	45,622	127,855	83,986	43,868
United Kingdom	56,761	50,342	6,419	59,461	53,304	6,157	...	...	...	...	...	...
United States	255,539	192,422	63,117	294,940	237,260	57,681	255,539	192,422	63,117	294,940	237,260	57,681
<b>Industrialized Group</b>	<b>637,489</b>	<b>480,052</b>	<b>157,437</b>	<b>696,137</b>	<b>547,423</b>	<b>148,714</b>	<b>486,146</b>	<b>349,847</b>	<b>136,299</b>	<b>537,270</b>	<b>408,860</b>	<b>128,410</b>
<b>World</b>	<b>4,052,775</b>	<b>2,157,326</b>	<b>1,895,450</b>	<b>5,298,446</b>	<b>2,923,091</b>	<b>2,375,356</b>	<b>2,440,559</b>	<b>1,748,569</b>	<b>691,990</b>	<b>3,715,210</b>	<b>2,461,550</b>	<b>1,253,660</b>

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Sources: United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>); and United Nations, World Urbanization Prospect—The 2005 Revision Population Database (<http://esa.un.org/unup/>).

**Appendix Table 1.12: Water and Sanitation (%), 1990 and 2004**

Country	Proportion of Population with Access to an Improved Water Source (%)						Proportion of Population with Access to Improved Sanitation (%)					
	1990			2004			1990			2004		
	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
<b>East Asia</b>												
PRC	70	99	59	77	93	67	23	64	7	44	69	28
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	...	97	...	92	97	71	...	...	...	...	...	...
Mongolia	63	87	30	62	87	30	...	...	...	59	75	37
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>70</b>	<b>99</b>	<b>59</b>	<b>78</b>	<b>93</b>	<b>67</b>	<b>23</b>	<b>64</b>	<b>7</b>	<b>44</b>	<b>69</b>	<b>28</b>
<b>Southeast Asia</b>												
Cambodia	...	...	...	41	64	35	...	...	...	17	53	8
Indonesia	72	92	63	77	87	69	46	65	37	55	73	40
Lao PDR	...	...	...	51	79	43	...	...	...	30	67	20
Malaysia	98	100	96	99	100	96	...	95	...	94	95	93
Myanmar	57	86	47	78	80	77	24	48	16	77	88	72
Philippines	87	95	80	85	87	82	57	66	48	72	80	59
Singapore	100	100	...	100	100	...	100	100	...	100	100	...
Thailand	95	98	94	99	98	100	80	95	74	99	98	99
Viet Nam	65	90	59	85	99	80	36	58	30	61	92	50
<b>Subregion</b>	<b>76</b>	<b>93</b>	<b>68</b>	<b>82</b>	<b>89</b>	<b>77</b>	<b>50</b>	<b>70</b>	<b>40</b>	<b>67</b>	<b>81</b>	<b>56</b>
<b>South Asia</b>												
Afghanistan	4	10	3	39	63	31	3	7	2	34	49	29
Bangladesh	72	83	69	74	82	72	20	55	12	39	51	35
Bhutan	...	...	...	62	86	60	...	...	...	70	65	70
India	70	89	64	86	95	83	14	45	3	33	59	22
Maldives	96	100	95	83	98	76	...	100	...	59	100	42
Nepal	70	95	67	90	96	89	11	48	7	35	62	30
Pakistan	83	95	78	91	96	89	37	82	17	59	92	41
Sri Lanka	68	91	62	79	98	74	69	89	64	91	98	89
<b>Subregion</b>	<b>71</b>	<b>89</b>	<b>65</b>	<b>85</b>	<b>94</b>	<b>81</b>	<b>17</b>	<b>50</b>	<b>6</b>	<b>37</b>	<b>63</b>	<b>27</b>
<b>Central Asia</b>												
Armenia	...	99	...	92	99	80	...	96	...	83	96	61
Azerbaijan	68	82	51	77	95	59	...	...	...	54	73	36
Kazakhstan	87	97	73	86	97	73	72	87	52	72	87	52
Kyrgyz Republic	78	98	66	77	98	66	60	75	51	59	75	51
Tajikistan	...	...	...	59	92	48	...	...	...	51	70	45
Turkmenistan	...	...	...	72	93	54	...	...	...	62	77	50
Uzbekistan	94	99	91	82	95	75	51	69	39	67	78	61
<b>Subregion</b>	<b>87</b>	<b>96</b>	<b>78</b>	<b>80</b>	<b>96</b>	<b>68</b>	<b>62</b>	<b>80</b>	<b>45</b>	<b>65</b>	<b>80</b>	<b>53</b>
<b>Pacific DMCs</b>												
Cook Islands	94	99	87	94	98	88	94	100	91	100	100	100
Fiji Islands	...	...	...	47	43	51	68	87	55	72	87	55
Kiribati	49	76	33	65	77	53	25	33	21	40	59	22
Marshall Islands	96	95	97	87	82	96	74	88	51	82	93	58
FSM	88	93	86	94	95	94	29	54	20	28	61	14
Nauru	...	...	...	...	...	...	...	...	...	...	...	...
Palau	80	73	98	85	79	94	67	76	54	80	96	52
Papua New Guinea	39	88	32	39	88	32	44	67	41	44	67	41
Samoa	91	99	89	88	90	87	98	100	98	100	100	100
Solomon Islands	...	...	...	70	94	65	...	98	...	31	98	18
Timor-Leste, Dem. Rep. of	...	...	...	58	77	56	...	...	...	36	66	33
Tonga	100	100	100	100	100	100	96	98	96	96	98	96
Tuvalu	89	92	89	100	94	92	78	83	74	90	93	84
Vanuatu	60	93	53	60	86	52	...	...	...	50	78	42
<b>Subregion</b>	<b>45</b>	<b>89</b>	<b>36</b>	<b>48</b>	<b>76</b>	<b>41</b>	<b>51</b>	<b>76</b>	<b>45</b>	<b>48</b>	<b>75</b>	<b>41</b>
<b>Asia</b>	<b>72</b>	<b>94</b>	<b>63</b>	<b>81</b>	<b>93</b>	<b>75</b>	<b>25</b>	<b>60</b>	<b>12</b>	<b>45</b>	<b>70</b>	<b>32</b>
<b>Industrialized Countries</b>												
Canada	100	100	99	100	100	99	100	100	99	100	100	99
France	100	100	100	100	100	100	...	...	...	...	...	...
Germany	100	100	100	100	100	100	100	100	100	100	100	100
Italy	...	100	...	...	100	...	...	...	...	...	...	...
Japan	100	100	100	100	100	100	100	100	100	100	100	100
United Kingdom	100	100	100	100	100	100	...	...	...	...	...	...
United States	100	100	100	100	100	100	100	100	100	100	100	100
<b>Industrialized Group</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>World</b>	<b>77</b>	<b>95</b>	<b>63</b>	<b>83</b>	<b>95</b>	<b>72</b>	<b>45</b>	<b>77</b>	<b>23</b>	<b>57</b>	<b>80</b>	<b>38</b>

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Sources: United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>); and United Nations, World Urbanization Prospect—The 2005 Revision Population Database (<http://esa.un.org/unup/>).

**Appendix Table 1.13: Irrigated Land (1,000 hectares), 1980–2003**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<b>East Asia</b>													
PRC	45,470	45,000	44,597	45,059	44,876	44,584	44,656	44,836	44,811	45,351	47,967	48,384	49,152
Hong Kong, China	3	3	3	3	3	3	3	3	3	2	2	2	2
Korea, Rep. of	893	908	917	929	935	948	965	976	981	985	988	988	975
Mongolia	35	40	45	50	55	60	65	70	78	77	78	80	82
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>46,401</b>	<b>45,951</b>	<b>45,562</b>	<b>46,041</b>	<b>45,869</b>	<b>45,595</b>	<b>45,689</b>	<b>45,885</b>	<b>45,873</b>	<b>46,415</b>	<b>49,035</b>	<b>49,454</b>	<b>50,211</b>
<b>Southeast Asia</b>													
Cambodia	120	125	130	140	160	180	200	210	220	230	240	250	260
Indonesia	4,107	4,107	4,107	4,107	4,107	4,107	4,107	4,106	4,300	4,387	4,410	4,410	4,410
Lao PDR	115	116	118	118	118	119	120	120	125	130	135	140	145
Malaysia	320	330	329	332	335	334	339	344	344	344	342	344	350
Myanmar	1,006	1,073	1,044	1,011	1,064	1,057	1,059	1,079	997	1,018	1,056	1,003	998
Philippines	1,219	1,269	1,301	1,386	1,408	1,440	1,460	1,422	1,510	1,540	1,550	1,550	1,550
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	3,015	3,171	3,320	3,472	3,659	3,822	3,912	3,996	4,121	4,158	4,238	4,349	4,433
Viet Nam	1,700	1,800	2,000	2,100	2,300	2,500	2,600	2,700	2,700	2,800	2,900	2,900	2,900
<b>Subregion</b>	<b>11,602</b>	<b>11,991</b>	<b>12,349</b>	<b>12,666</b>	<b>13,151</b>	<b>13,559</b>	<b>13,797</b>	<b>13,977</b>	<b>14,317</b>	<b>14,607</b>	<b>14,871</b>	<b>14,946</b>	<b>15,046</b>
<b>South Asia</b>													
Afghanistan	2,505	2,520	2,535	2,550	2,581	2,586	2,719	2,720	2,720	2,720	2,720	2,720	2,720
Bangladesh	1,520	1,520	1,520	1,848	1,920	2,073	2,098	2,199	2,347	2,737	2,790	3,027	3,229
Bhutan	26	30	30	30	30	30	30	34	34	39	39	39	39
India	38,478	38,805	40,503	40,691	41,949	42,145	41,865	42,570	42,892	46,148	46,702	47,430	49,867
Maldives	...	...	...	...	...	...	...	...	...	...	...	...	...
Nepal	520	584	630	670	720	760	810	850	900	943	985	1,025	1,065
Pakistan	14,680	15,300	15,390	15,570	15,720	15,760	15,790	16,310	15,680	15,750	15,820	16,750	16,850
Sri Lanka	457	500	500	500	500	500	500	517	517	517	520	530	550
<b>Subregion</b>	<b>58,186</b>	<b>59,259</b>	<b>61,108</b>	<b>61,859</b>	<b>63,420</b>	<b>63,854</b>	<b>63,812</b>	<b>65,200</b>	<b>65,090</b>	<b>68,854</b>	<b>69,576</b>	<b>71,521</b>	<b>74,320</b>
<b>Central Asia</b>													
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	286
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	1,370
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	3,443
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	1,007
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	718
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	1,500
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	4,239
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>12,563</b>
<b>Asia</b>	<b>116,189</b>	<b>117,201</b>	<b>119,019</b>	<b>120,566</b>	<b>122,440</b>	<b>123,008</b>	<b>123,298</b>	<b>125,062</b>	<b>125,280</b>	<b>129,876</b>	<b>133,482</b>	<b>135,921</b>	<b>152,140</b>
<b>Industrialized Countries</b>													
Canada	596	625	655	685	715	748	742	738	732	726	718	720	720
France	1,370	1,413	1,461	1,505	1,544	1,589	1,646	1,703	1,796	1,870	1,970	2,100	2,250
Germany	460	460	466	468	470	470	472	475	477	480	482	482	482
Italy	2,400	2,400	2,425	2,425	2,425	2,425	2,425	2,425	2,425	2,425	2,711	2,710	2,700
Japan	3,055	3,031	3,010	2,971	2,952	2,952	2,931	2,910	2,889	2,868	2,846	2,825	2,802
United Kingdom	140	145	152	152	152	152	155	155	155	157	164	165	165
United States	20,582	20,582	19,831	19,831	20,200	19,831	19,831	18,771	19,700	20,600	20,900	20,900	21,400
<b>Industrialized Group</b>	<b>28,603</b>	<b>28,656</b>	<b>28,000</b>	<b>28,037</b>	<b>28,458</b>	<b>28,167</b>	<b>28,202</b>	<b>27,177</b>	<b>28,174</b>	<b>29,126</b>	<b>29,791</b>	<b>29,902</b>	<b>30,519</b>
<b>World</b>	<b>209,292</b>	<b>212,508</b>	<b>215,358</b>	<b>218,607</b>	<b>222,785</b>	<b>225,242</b>	<b>227,565</b>	<b>229,269</b>	<b>232,141</b>	<b>238,749</b>	<b>245,244</b>	<b>248,595</b>	<b>254,850</b>

... = Data not available; - = Magnitude equals zero; 0.0 = Magnitude is less than half of unit employed.

DMC = developing member country; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Data not available for Pacific developing member countries and are not imputed in estimates for Asia. Industrialized countries refer to the G7.

Sources: Food and Agriculture Organization of the United Nations, FAOSTAT database online (<http://faostat.fao.org/>, downloaded 10 August 2006).

Appendix Table 1.13 continued

Country	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Average Growth Rate, 1993–2003 (%)
<b>East Asia</b>												
PRC	49,874	49,370	49,859	50,963	51,821	52,878	53,740	54,402	54,831	54,937	54,937	1.0
Hong Kong, China	2	2	2	2	2	2	2	2	2	2	2	-
Korea, Rep. of	960	941	907	889	882	881	878	880	881	880	878	-0.9
Mongolia	84	84	84	84	84	84	84	84	84	84	84	-
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>50,920</b>	<b>50,397</b>	<b>50,852</b>	<b>51,938</b>	<b>52,789</b>	<b>53,845</b>	<b>54,704</b>	<b>55,368</b>	<b>55,798</b>	<b>55,903</b>	<b>55,901</b>	<b>0.9</b>
<b>Southeast Asia</b>												
Cambodia	269	270	270	270	270	270	270	270	270	270	270	0.0
Indonesia	4,415	4,415	4,420	4,428	4,430	4,430	4,430	4,500	4,500	4,500	4,500	0.2
Lao PDR	150	155	155	156	164	168	172	175	175	175	175	1.6
Malaysia	357	363	363	363	365	365	365	365	365	365	365	0.2
Myanmar	1,068	1,336	1,555	1,557	1,556	1,592	1,692	1,841	1,910	1,985	1,870	5.8
Philippines	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	-
Singapore	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	4,537	4,590	4,642	4,714	4,749	4,789	4,948	4,986	4,986	4,986	4,986	0.9
Viet Nam	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	-
<b>Subregion</b>	<b>15,346</b>	<b>15,679</b>	<b>15,955</b>	<b>16,038</b>	<b>16,084</b>	<b>16,164</b>	<b>16,427</b>	<b>16,687</b>	<b>16,756</b>	<b>16,831</b>	<b>16,716</b>	<b>0.9</b>
<b>South Asia</b>												
Afghanistan	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	-
Bangladesh	3,252	3,288	3,751	3,751	3,751	3,850	3,985	4,187	4,421	4,597	4,725	3.8
Bhutan	39	39	39	40	40	40	40	40	40	40	40	0.3
India	50,101	51,340	53,001	53,402	55,049	54,985	56,510	56,760	54,680	55,983	55,808	1.1
Maldives	...	...	...	...	...	...	...	...	...	...	...	...
Nepal	1,105	1,134	1,134	1,135	1,135	1,135	1,135	1,135	1,168	1,170	1,170	0.6
Pakistan	17,120	17,130	17,200	17,580	17,830	18,000	17,950	18,090	17,820	17,990	18,230	0.6
Sri Lanka	550	550	570	570	600	651	662	665	597	638	743	3.1
<b>Subregion</b>	<b>74,887</b>	<b>76,201</b>	<b>78,415</b>	<b>79,198</b>	<b>81,125</b>	<b>81,381</b>	<b>83,002</b>	<b>83,597</b>	<b>81,446</b>	<b>83,138</b>	<b>83,436</b>	<b>1.1</b>
<b>Central Asia</b>												
Armenia	286	286	286	286	286	286	286	286	286	286	286	-
Azerbaijan	1,400	1,430	1,453	1,453	1,455	1,455	1,455	1,455	1,455	1,455	1,455	0.4
Kazakhstan	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556	-
Kyrgyz Republic	1,077	1,077	1,077	1,074	1,072	1,072	1,072	1,072	1,072	1,072	1,072	0.0
Tajikistan	718	719	719	719	719	719	719	719	719	721	722	0.1
Turkmenistan	1,600	1,744	1,750	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1.2
Uzbekistan	4,250	4,281	4,281	4,281	4,281	4,281	4,281	4,281	4,281	4,281	4,281	0.1
<b>Subregion</b>	<b>12,887</b>	<b>13,093</b>	<b>13,122</b>	<b>13,169</b>	<b>13,169</b>	<b>13,169</b>	<b>13,169</b>	<b>13,169</b>	<b>13,169</b>	<b>13,171</b>	<b>13,172</b>	<b>0.2</b>
<b>Asia</b>												
	<b>154,040</b>	<b>155,370</b>	<b>158,344</b>	<b>160,343</b>	<b>163,167</b>	<b>164,559</b>	<b>167,302</b>	<b>168,821</b>	<b>167,169</b>	<b>169,043</b>	<b>169,225</b>	<b>0.9</b>
<b>Industrialized Countries</b>												
Canada	720	720	720	720	720	720	750	784	785	785	785	0.9
France	2,417	2,465	2,510	2,600	2,699	2,680	2,650	2,634	2,600	2,600	2,600	0.7
Germany	485	485	485	485	485	485	485	485	485	485	485	-
Italy	2,700	2,700	2,698	2,698	2,698	2,698	2,698	2,700	2,700	2,750	2,750	0.2
Japan	2,782	2,764	2,745	2,724	2,701	2,679	2,659	2,641	2,624	2,607	2,592	-0.7
United Kingdom	165	165	165	170	170	170	170	170	170	170	170	0.3
United States	21,500	21,700	21,800	22,000	22,780	22,701	22,622	22,543	22,464	22,384	22,385	0.4
<b>Industrialized Group</b>	<b>30,769</b>	<b>30,999</b>	<b>31,123</b>	<b>31,397</b>	<b>32,253</b>	<b>32,133</b>	<b>32,034</b>	<b>31,957</b>	<b>31,828</b>	<b>31,781</b>	<b>31,767</b>	<b>0.3</b>
<b>World</b>	<b>258,120</b>	<b>260,096</b>	<b>263,695</b>	<b>265,993</b>	<b>269,844</b>	<b>271,420</b>	<b>274,112</b>	<b>276,268</b>	<b>274,889</b>	<b>277,247</b>	<b>277,098</b>	<b>0.7</b>

**Appendix Table 1.14: Irrigated Land as Proportion of Arable Land (%), 1980–2003**

Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
<b>East Asia</b>																	
PRC	46.9	46.1	45.6	40.5	40.1	36.9	37.0	36.9	36.7	36.8	38.8	39.1	39.7	40.3	39.8	40.2	41.0
Hong Kong, China	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
Korea, Rep. of	43.3	44.3	44.8	45.7	46.4	47.2	48.2	48.6	49.1	49.8	50.6	51.3	51.4	51.2	51.0	50.9	50.9
Mongolia	3.0	3.3	3.6	3.8	4.1	4.4	5.0	5.2	5.7	5.6	5.7	5.8	6.0	6.2	6.4	6.4	6.4
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>46.3</b>	<b>45.6</b>	<b>45.1</b>	<b>40.2</b>	<b>39.8</b>	<b>36.7</b>	<b>36.8</b>	<b>36.7</b>	<b>36.5</b>	<b>36.6</b>	<b>38.6</b>	<b>38.9</b>	<b>39.5</b>	<b>40.1</b>	<b>39.6</b>	<b>40.0</b>	<b>40.8</b>
<b>Southeast Asia</b>																	
Cambodia	6.0	6.3	6.4	6.9	7.8	7.8	7.7	7.0	6.4	6.2	6.5	6.8	7.0	7.2	7.3	7.3	7.3
Indonesia	22.8	22.8	22.8	22.8	22.8	21.1	20.4	19.4	20.3	21.0	21.8	24.4	24.4	24.4	25.8	25.5	24.7
Lao PDR	14.7	14.9	15.0	15.0	14.9	15.0	15.1	15.1	15.7	16.4	16.9	17.5	18.1	18.8	18.9	18.7	18.9
Malaysia	32.0	32.4	30.5	29.1	27.9	26.1	24.9	24.2	22.9	21.5	20.1	19.1	18.9	18.7	19.9	19.9	19.9
Myanmar	10.5	11.2	10.9	10.5	11.1	11.0	11.0	11.3	10.4	10.7	11.0	10.5	10.5	11.1	14.0	16.3	16.3
Philippines	23.3	24.3	24.8	26.3	26.7	26.9	27.0	26.2	27.8	28.2	28.3	28.2	28.2	28.2	28.2	28.2	28.2
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	18.3	18.8	19.3	20.1	21.0	21.6	22.0	22.3	23.2	23.7	24.2	24.8	25.7	26.6	27.2	27.6	28.5
Viet Nam	28.6	30.5	34.0	35.9	39.5	44.5	46.7	48.9	49.5	51.9	54.3	54.0	52.7	54.4	54.9	55.5	54.0
<b>Subregion</b>	<b>19.7</b>	<b>20.2</b>	<b>20.6</b>	<b>21.1</b>	<b>21.9</b>	<b>21.8</b>	<b>21.8</b>	<b>21.6</b>	<b>22.0</b>	<b>22.5</b>	<b>23.1</b>	<b>24.0</b>	<b>24.2</b>	<b>24.7</b>	<b>25.8</b>	<b>26.2</b>	<b>26.1</b>
<b>South Asia</b>																	
Afghanistan	31.7	31.9	32.0	32.2	32.6	32.7	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
Bangladesh	17.1	17.1	17.2	20.9	21.7	23.4	23.6	24.5	25.6	29.8	30.5	34.3	40.3	41.1	42.2	48.1	47.8
Bhutan	25.0	28.6	28.0	27.5	27.5	27.3	27.3	30.6	30.6	34.8	34.5	34.5	33.9	33.9	32.5	30.0	29.6
India	23.6	23.8	24.8	25.0	25.7	25.8	25.6	26.1	26.3	28.3	28.7	29.2	30.8	30.9	31.7	32.8	33.1
Maldives	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nepal	22.9	25.5	27.5	29.3	31.5	33.2	35.4	37.2	39.4	41.2	43.1	44.1	45.8	47.5	48.8	48.8	48.8
Pakistan	73.4	76.5	76.7	78.0	78.8	78.0	78.0	79.6	73.3	76.6	77.2	81.7	81.8	82.1	81.7	82.0	83.4
Sri Lanka	53.8	59.5	60.5	59.6	59.4	59.1	58.0	59.4	59.2	59.0	59.4	60.4	62.1	64.0	63.7	65.8	65.7
<b>Subregion</b>	<b>28.7</b>	<b>29.2</b>	<b>30.1</b>	<b>30.5</b>	<b>31.2</b>	<b>31.4</b>	<b>31.3</b>	<b>32.0</b>	<b>31.8</b>	<b>33.8</b>	<b>34.2</b>	<b>35.3</b>	<b>36.8</b>	<b>37.1</b>	<b>37.7</b>	<b>38.9</b>	<b>39.3</b>
<b>Central Asia</b>																	
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	57.4	58.0	57.2	57.5	58.0
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	91.3	87.5	88.3	88.6	87.5
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	9.8	10.1	10.3	11.2	12.3
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	74.6	78.6	78.8	84.6	78.3
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	83.5	82.6	82.6	82.6	82.6
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	111.1	110.4	109.1	107.9	110.5
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	94.7	95.1	95.8	95.7	95.7
<b>Subregion</b>	...	...	...	...	...	...	...	...	...	...	...	...	<b>27.9</b>	<b>28.5</b>	<b>29.0</b>	<b>31.2</b>	<b>33.3</b>
<b>Asia</b>	<b>32.1</b>	<b>32.3</b>	<b>32.7</b>	<b>32.0</b>	<b>32.3</b>	<b>31.6</b>	<b>31.5</b>	<b>31.8</b>	<b>31.7</b>	<b>32.8</b>	<b>33.8</b>	<b>34.7</b>	<b>34.9</b>	<b>35.3</b>	<b>35.7</b>	<b>36.7</b>	<b>37.3</b>
<b>Industrialized Countries</b>																	
Canada	1.3	1.4	1.5	1.5	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
France	7.8	8.1	8.3	8.5	8.7	8.9	9.1	9.4	10.1	10.4	10.9	11.6	12.5	13.2	13.5	13.7	14.2
Germany	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.2	4.2	4.2	4.1	4.1	4.1
Italy	25.3	25.4	25.6	26.6	26.7	26.8	26.7	26.8	27.1	27.0	30.1	30.4	30.9	31.6	32.4	32.6	32.4
Japan	62.7	62.4	62.0	61.3	61.0	61.1	60.8	60.4	60.1	59.8	59.7	59.6	59.4	59.4	59.3	59.3	59.2
United Kingdom	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.5	2.5	2.7	2.8	2.8	2.8
United States	10.9	10.9	10.6	10.6	10.8	10.6	10.6	10.1	10.6	11.1	11.3	11.3	11.6	11.8	11.9	12.0	12.3
<b>Industrialized Group</b>	<b>10.1</b>	<b>10.1</b>	<b>9.9</b>	<b>9.9</b>	<b>10.0</b>	<b>9.9</b>	<b>9.9</b>	<b>9.6</b>	<b>10.0</b>	<b>10.3</b>	<b>10.6</b>	<b>10.6</b>	<b>10.9</b>	<b>11.1</b>	<b>11.2</b>	<b>11.3</b>	<b>11.5</b>
<b>World</b>	<b>15.5</b>	<b>15.8</b>	<b>15.9</b>	<b>16.0</b>	<b>16.2</b>	<b>16.3</b>	<b>16.4</b>	<b>16.5</b>	<b>16.6</b>	<b>17.1</b>	<b>17.6</b>	<b>17.8</b>	<b>18.2</b>	<b>18.5</b>	<b>18.6</b>	<b>18.9</b>	<b>19.0</b>

... = Data not available; - = Magnitude equals zero.

DMC = developing member country; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Data not available for Pacific developing member countries and are not imputed in estimates for Asia. Industrialized countries refer to the G7.

Source: Food and Agriculture Organization of the United Nations, FAOSTAT database online (<http://faostat.fao.org/>), downloaded 10 August 2006).

Appendix Table 1.14 continued

Country	1997	1998	1999	2000	2001	2002	2003	Average Growth Rate, 1993–2003 (%)
<b>East Asia</b>								
PRC	41.7	41.8	40.2	39.7	38.2	38.5	38.5	-0.4
Hong Kong, China	40.0	40.0	40.0	40.0	40.0	40.0	40.0	1.8
Korea, Rep. of	51.2	51.6	51.7	51.2	52.2	52.9	53.3	0.4
Mongolia	6.4	6.4	7.1	7.2	7.0	7.0	7.0	1.2
Taipei, China	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>41.5</b>	<b>41.5</b>	<b>40.1</b>	<b>39.5</b>	<b>38.1</b>	<b>38.4</b>	<b>38.4</b>	<b>-0.4</b>
<b>Southeast Asia</b>								
Cambodia	7.3	7.3	7.3	7.3	7.3	7.3	7.3	0.1
Indonesia	24.3	23.7	22.5	22.0	22.0	22.0	21.4	-1.3
Lao PDR	19.2	19.5	19.7	20.0	19.9	19.0	18.4	-0.2
Malaysia	20.1	20.1	20.1	20.1	20.3	20.3	20.3	0.8
Myanmar	16.3	16.7	17.5	18.6	19.1	20.1	18.5	5.2
Philippines	28.2	27.9	27.7	27.4	27.2	27.2	27.2	-0.4
Singapore	...	...	...	...	...	...	...	...
Thailand	29.2	30.1	31.2	31.4	31.4	31.4	35.3	2.9
Viet Nam	52.9	52.1	50.0	48.4	45.1	45.5	44.9	-1.9
<b>Subregion</b>	<b>26.1</b>	<b>26.1</b>	<b>26.0</b>	<b>25.9</b>	<b>25.7</b>	<b>25.9</b>	<b>26.1</b>	<b>0.6</b>
<b>South Asia</b>								
Afghanistan	34.4	34.4	34.4	34.4	34.4	34.4	34.4	-
Bangladesh	47.6	48.4	49.6	51.8	54.9	57.5	59.2	3.7
Bhutan	28.6	28.6	28.6	28.6	37.0	37.0	37.0	0.9
India	34.1	34.1	35.2	35.4	34.1	35.0	34.8	1.2
Maldives	...	...	...	...	...	...	...	...
Nepal	48.8	48.8	48.8	48.8	49.6	49.6	49.5	0.4
Pakistan	83.5	84.4	84.5	84.9	82.9	83.3	93.7	1.3
Sri Lanka	69.1	74.9	74.8	74.3	66.6	69.7	81.1	2.4
<b>Subregion</b>	<b>40.2</b>	<b>40.4</b>	<b>41.2</b>	<b>41.5</b>	<b>40.5</b>	<b>41.4</b>	<b>41.9</b>	<b>1.2</b>
<b>Central Asia</b>								
Armenia	57.9	57.8	57.8	57.8	57.8	57.8	57.2	-0.1
Azerbaijan	87.0	85.1	83.4	82.7	81.9	81.6	81.5	-0.7
Kazakhstan	13.4	14.7	16.2	16.5	16.1	15.7	15.8	4.5
Kyrgyz Republic	78.2	78.8	78.4	80.3	80.9	82.0	81.8	0.4
Tajikistan	80.8	79.9	79.0	77.3	77.3	77.5	77.6	-0.6
Turkmenistan	110.4	109.1	105.9	97.3	97.3	97.3	81.8	-3.0
Uzbekistan	95.7	95.7	95.7	95.7	95.5	95.5	91.1	-0.4
<b>Subregion</b>	<b>35.6</b>	<b>37.8</b>	<b>40.4</b>	<b>40.7</b>	<b>39.9</b>	<b>39.3</b>	<b>38.8</b>	<b>3.1</b>
<b>Asia</b>	<b>38.2</b>	<b>38.4</b>	<b>38.6</b>	<b>38.5</b>	<b>37.5</b>	<b>38.0</b>	<b>38.2</b>	<b>0.8</b>
<b>Industrialized Countries</b>								
Canada	1.6	1.6	1.6	1.7	1.7	1.7	1.7	0.8
France	14.7	14.6	14.4	14.3	14.1	14.1	14.1	0.6
Germany	4.1	4.1	4.1	4.1	4.1	4.1	4.1	-0.1
Italy	32.7	32.4	31.6	31.8	32.4	33.2	34.6	0.9
Japan	59.1	59.1	59.0	59.0	59.0	59.0	58.9	-0.1
United Kingdom	2.7	2.7	2.9	2.9	3.0	2.9	3.0	1.0
United States	12.8	12.8	12.9	12.8	12.9	12.9	12.9	0.9
<b>Industrialized Group</b>	<b>11.8</b>	<b>11.8</b>	<b>11.8</b>	<b>11.8</b>	<b>11.8</b>	<b>11.9</b>	<b>11.9</b>	<b>0.7</b>
<b>World</b>	<b>19.3</b>	<b>19.4</b>	<b>19.7</b>	<b>19.8</b>	<b>19.6</b>	<b>19.8</b>	<b>19.8</b>	<b>0.7</b>

**Appendix Table 1.15: Telephone Lines and Cellular Subscribers (1,000), 1990–2004**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>East Asia</b>										
PRC	6,868.6	8,498.1	11,646.0	17,970.0	28,863.3	44,334.7	61,800.0	83,543.0	111,283.9	152,011.8
Hong Kong, China	2,608.9	2,832.1	3,053.1	3,282.9	3,634.1	4,076.2	4,813.1	5,876.4	6,903.6	8,143.8
Korea, Rep. of	13,356.5	14,738.7	15,865.4	17,157.8	18,606.9	20,241.5	22,781.9	27,300.7	34,107.2	49,061.7
Mongolia	66.4	68.5	69.2	66.4	69.1	77.7	84.6	89.3	112.4	138.0
Taipei, China	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>22,900.3</b>	<b>26,137.4</b>	<b>30,633.8</b>	<b>38,477.1</b>	<b>51,173.4</b>	<b>68,730.2</b>	<b>89,479.6</b>	<b>116,809.4</b>	<b>152,407.0</b>	<b>209,355.3</b>
<b>Southeast Asia</b>										
Cambodia	3.1	3.9	4.1	9.0	17.2	22.6	38.6	53.6	85.6	116.8
Indonesia	1,084.3	1,319.5	1,687.9	1,917.4	2,540.9	3,501.5	4,748.5	5,898.6	6,637.5	8,301.2
Lao PDR	6.9	7.3	8.8	8.9	18.8	18.1	23.3	29.5	34.9	47.2
Malaysia	1,672.4	1,946.9	2,292.2	2,750.7	3,435.5	4,337.5	5,291.6	6,223.0	6,584.1	7,420.8
Myanmar	70.1	85.9	99.1	118.0	139.3	160.6	185.9	222.0	237.8	260.5
Philippines	610.0	682.5	716.6	962.2	1,281.6	1,903.5	2,746.0	3,421.6	4,225.3	5,742.4
Singapore	1,105.7	1,183.0	1,289.1	1,424.6	1,567.4	1,734.6	1,993.7	2,533.5	2,872.6	3,507.4
Thailand	1,387.7	1,676.7	2,040.6	2,628.1	3,488.1	4,779.8	6,004.8	7,030.6	7,014.5	7,555.0
Viet Nam	98.5	137.1	153.5	264.1	454.5	798.5	1,255.3	1,493.4	1,966.3	2,434.6
<b>Subregion</b>	<b>6,038.8</b>	<b>7,042.9</b>	<b>8,291.9</b>	<b>10,082.9</b>	<b>12,943.1</b>	<b>17,256.8</b>	<b>22,287.7</b>	<b>26,905.9</b>	<b>29,658.6</b>	<b>35,385.9</b>
<b>South Asia</b>										
Afghanistan	36.2	37.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
Bangladesh	218.0	221.5	233.0	246.4	263.4	289.1	320.1	394.0	487.6	582.0
Bhutan	1.9	2.5	3.0	3.8	4.6	5.2	6.1	6.4	10.4	12.0
India	5,074.7	5,809.9	6,796.7	8,025.6	9,795.3	12,054.7	14,870.6	18,683.5	22,789.1	28,395.7
Maldives	6.2	7.6	8.5	10.0	11.9	13.9	15.3	19.3	21.6	25.1
Nepal	57.3	64.9	68.9	72.7	75.6	83.7	112.6	140.0	208.4	258.5
Pakistan	845.3	1,124.6	1,257.1	1,544.5	1,854.7	2,168.3	2,444.8	2,692.6	2,952.2	3,251.7
Sri Lanka	122.4	127.8	139.5	164.7	210.8	257.3	328.2	456.5	697.7	928.6
<b>Subregion</b>	<b>6,362.1</b>	<b>7,395.9</b>	<b>8,535.6</b>	<b>10,096.7</b>	<b>12,245.2</b>	<b>14,901.2</b>	<b>18,126.7</b>	<b>22,421.4</b>	<b>27,196.1</b>	<b>33,482.5</b>
<b>Central Asia</b>										
Armenia	560.0	572.1	578.4	583.5	587.1	582.8	579.8	572.8	564.4	552.4
Azerbaijan	620.0	620.2	620.3	620.4	635.7	645.5	662.1	698.3	745.2	1,100.0
Kazakhstan	1,333.5	1,425.2	1,490.4	1,975.8	1,987.4	1,967.5	1,926.4	1,816.5	1,805.1	1,809.3
Kyrgyz Republic	314.1	331.8	338.7	367.4	338.9	357.0	342.0	350.9	369.8	373.2
Tajikistan	240.0	257.5	267.1	265.1	268.1	262.7	246.7	225.9	221.7	213.1
Turkmenistan	220.0	237.3	248.8	265.1	304.6	320.3	338.2	356.5	357.0	362.9
Uzbekistan	1,402.8	1,458.5	1,528.9	1,543.8	1,558.0	1,547.9	1,540.8	1,558.2	1,563.5	1,639.8
<b>Subregion</b>	<b>4,690.4</b>	<b>4,902.5</b>	<b>5,072.6</b>	<b>5,621.1</b>	<b>5,679.9</b>	<b>5,683.8</b>	<b>5,636.0</b>	<b>5,579.2</b>	<b>5,626.8</b>	<b>6,050.6</b>
<b>Pacific DMCs</b>										
Cook Islands	...	...	...	...	...	...	...	...	...	...
Fiji Islands	42.4	45.6	49.6	54.0	60.6	67.0	73.7	77.0	84.9	104.9
Kiribati	1.2	1.3	1.4	1.8	1.9	2.0	2.1	2.5	2.8	3.3
Marshall Islands	0.5	0.7	0.9	2.3	3.3	3.4	3.7	3.9	4.1	4.3
FSM	2.4	2.7	3.0	6.1	7.2	7.9	8.2	8.4	9.1	9.9
Nauru	1.2	1.2	1.2	1.6	2.0	2.1	2.2	2.4	2.6	2.8
Palau	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	30.2	33.9	36.5	39.3	40.0	43.6	49.1	57.9	62.5	66.8
Samoa	4.1	4.2	6.5	7.1	7.4	7.8	8.3	9.2	10.0	10.9
Solomon Islands	4.7	4.9	5.1	5.5	6.2	6.7	7.5	8.4	8.6	9.2
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...
Tonga	4.4	5.1	5.5	5.9	6.5	6.9	8.1	7.4	8.6	9.2
Tuvalu	0.1	0.1	0.1	0.2	0.5	0.5	0.5	0.5	0.6	0.6
Vanuatu	2.6	3.0	3.6	4.1	4.5	4.3	4.6	5.0	5.4	5.8
<b>Subregion</b>	<b>93.8</b>	<b>102.6</b>	<b>113.3</b>	<b>127.8</b>	<b>139.9</b>	<b>152.3</b>	<b>168.1</b>	<b>182.6</b>	<b>199.2</b>	<b>227.8</b>
<b>Asia</b>	<b>40,085.4</b>	<b>45,581.2</b>	<b>52,647.2</b>	<b>64,405.6</b>	<b>82,181.5</b>	<b>106,724.3</b>	<b>135,698.2</b>	<b>171,898.4</b>	<b>215,087.7</b>	<b>284,502.1</b>
<b>Industrialized Countries</b>										
Canada	15,879.6	16,590.8	17,273.2	18,049.8	19,116.2	20,156.8	21,471.8	22,855.0	24,640.0	27,291.0
France	28,368.1	29,475.0	30,536.7	31,472.0	32,583.0	33,702.5	35,362.7	39,517.3	45,308.9	55,321.5
Germany	32,159.6	34,092.0	36,392.7	38,774.4	41,290.5	45,725.0	49,612.0	53,476.0	60,443.0	71,656.0
Italy	22,616.0	23,639.0	24,492.0	25,374.2	26,782.0	28,768.0	31,681.0	37,435.9	46,475.1	56,798.0
Japan	55,396.0	57,638.0	59,365.0	60,961.4	65,021.4	74,004.1	90,943.5	103,988.9	109,720.9	118,899.2
United Kingdom	26,482.0	27,171.0	28,021.0	29,604.0	32,298.0	35,147.2	37,926.1	40,720.0	47,707.0	61,206.0
United States	141,397.2	146,970.0	154,374.3	164,115.6	177,582.4	193,444.7	210,489.0	229,179.3	249,059.3	275,549.0
<b>Industrialized Group</b>	<b>322,298.6</b>	<b>335,575.8</b>	<b>350,454.9</b>	<b>368,351.4</b>	<b>394,673.4</b>	<b>430,948.3</b>	<b>477,486.1</b>	<b>527,172.4</b>	<b>583,354.3</b>	<b>666,720.7</b>
<b>World</b>	<b>...</b>	<b>562,000.0</b>	<b>595,000.0</b>	<b>638,000.0</b>	<b>699,000.0</b>	<b>780,000.0</b>	<b>883,000.0</b>	<b>1,007,000.0</b>	<b>1,164,000.0</b>	<b>1,395,000.0</b>

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Sources: United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); and International Telecommunication Union, Key Global Telecom Indicators for the World Telecommunication Service Sector ([http://www.itu.int/ITU-D/ict/statistics/at\\_glance/KeyTelecom99.html](http://www.itu.int/ITU-D/ict/statistics/at_glance/KeyTelecom99.html)).

Appendix Table 1.15 continued

Country	2000	2001	2002	2003	2004	Average Growth Rate, 1994–2004 (%)
<b>East Asia</b>						
PRC	230,089.0	325,188.0	420,227.0	532,700.0	646,580.0	36.5
Hong Kong, China	9,373.2	9,673.9	10,227.6	11,155.6	11,977.3	12.7
Korea, Rep. of	52,679.4	54,820.6	58,077.5	59,392.2	63,181.1	13.0
Mongolia	272.1	319.3	344.0	457.1	...	21.3
Taipei, China	...	...	...	...	...	...
<b>Subregion</b>	<b>292,413.7</b>	<b>390,001.8</b>	<b>488,876.1</b>	<b>603,704.9</b>	<b>721,738.4</b>	<b>30.3</b>
<b>Southeast Asia</b>						
Cambodia	161.4	257.0	415.4	534.7	...	50.4
Indonesia	10,331.9	13,739.9	19,450.0	27,277.0	39,990.0	31.7
Lao PDR	53.6	82.2	117.1	182.0	279.2	31.0
Malaysia	9,756.1	12,094.8	13,722.9	15,695.7	19,058.2	18.7
Myanmar	284.8	317.9	390.3	429.5	517.3	14.0
Philippines	9,515.7	15,474.3	18,693.9	25,849.6	36,373.4	39.7
Singapore	4,693.9	4,939.1	5,278.5	5,373.7	5,724.6	13.8
Thailand	8,647.1	13,599.1	22,659.0	31,481.4	34,176.0	25.6
Viet Nam	3,331.3	4,301.1	5,831.5	7,144.0	15,084.9	41.9
<b>Subregion</b>	<b>46,775.8</b>	<b>64,805.3</b>	<b>86,558.7</b>	<b>113,967.6</b>	<b>151,203.5</b>	<b>27.9</b>
<b>South Asia</b>						
Afghanistan	29.0	29.0	58.1	236.7	650.0	36.5
Bangladesh	770.3	1,084.9	1,680.9	2,107.0	3,612.5	29.9
Bhutan	14.1	17.6	19.6	33.2	49.4	26.9
India	36,013.2	44,967.7	54,107.6	68,154.4	91,260.0	25.0
Maldives	32.1	46.1	70.6	96.5	144.7	28.4
Nepal	277.1	315.3	349.6	453.7	534.7	21.6
Pakistan	3,360.0	3,994.6	5,354.0	6,451.8	9,525.1	17.8
Sri Lanka	1,197.6	1,494.9	1,814.7	2,332.4	3,207.0	31.3
<b>Subregion</b>	<b>41,693.4</b>	<b>51,950.1</b>	<b>63,455.0</b>	<b>79,865.8</b>	<b>108,983.5</b>	<b>24.4</b>
<b>Central Asia</b>						
Armenia	550.9	557.0	614.2	678.1	785.8	3.0
Azerbaijan	1,221.6	1,594.8	1,717.8	1,998.4	2,481.9	14.6
Kazakhstan	2,031.5	2,521.6	3,108.9	3,559.1	5,258.9	10.2
Kyrgyz Republic	385.1	415.2	447.9	534.4	679.8	7.2
Tajikistan	219.7	228.5	250.8	292.8	...	1.0
Turkmenistan	371.9	395.8	382.2	385.3	...	3.8
Uzbekistan	1,708.2	1,791.0	1,868.0	2,037.9	...	2.8
<b>Subregion</b>	<b>6,488.8</b>	<b>7,503.9</b>	<b>8,389.7</b>	<b>9,486.0</b>	<b>9,206.5</b>	<b>4.9</b>
<b>Pacific DMCs</b>						
Cook Islands	...	...	...	...	...	...
Fiji Islands	141.5	173.2	187.4	211.9	...	14.7
Kiribati	3.7	4.0	5.0	...	...	13.7
Marshall Islands	4.4	4.7	4.9	5.1	...	8.2
FSM	9.6	10.1	10.2	17.0	24.8	13.1
Nauru	3.0	3.4	...	...	...	10.8
Palau	...	...	...	...	...	...
Papua New Guinea	73.4	72.7	77.0	...	...	7.8
Samoa	11.0	12.2	14.5	23.8	...	12.9
Solomon Islands	8.8	8.4	7.6	7.3	...	2.9
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...
Tonga	9.9	11.0	14.6	...	...	10.2
Tuvalu	0.7	0.7	...	...	...	18.4
Vanuatu	7.0	7.1	11.5	14.3	17.3	14.4
<b>Subregion</b>	<b>273.0</b>	<b>307.3</b>	<b>332.7</b>	<b>279.4</b>	<b>42.0</b>	<b>11.4</b>
<b>Asia</b>						
	<b>387,644.7</b>	<b>514,568.4</b>	<b>647,612.2</b>	<b>807,303.7</b>	<b>991,174.0</b>	<b>28.3</b>
<b>Industrialized Countries</b>						
Canada	29,567.0	31,775.0	32,494.0	33,840.0	35,594.4	6.4
France	63,039.5	71,081.3	72,709.5	75,490.3	78,422.0	9.2
Germany	98,422.0	108,456.0	112,798.0	119,033.0	125,874.0	11.8
Italy	69,399.0	78,599.0	81,342.0	83,366.0	88,707.0	12.7
Japan	128,741.5	136,144.9	141,890.8	146,873.5	151,081.9	8.8
United Kingdom	78,680.0	80,862.0	83,412.0	87,950.0	94,791.0	11.4
United States	301,991.0	320,071.5	330,156.8	341,764.0	360,347.0	7.3
<b>Industrialized Group</b>	<b>769,840.0</b>	<b>826,989.8</b>	<b>854,803.1</b>	<b>888,316.8</b>	<b>934,817.3</b>	<b>9.0</b>
<b>World</b>						
	<b>1,723,000.0</b>	<b>2,008,000.0</b>	<b>2,252,000.0</b>	<b>2,554,000.0</b>	<b>2,965,000.0</b>	<b>15.5</b>

**Appendix Table 1.16: Telephone Lines and Cellular Subscribers (per 1,000 people), 1990–2004**

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Average Growth Rate, 1994–2004 (%)
<b>East Asia</b>																
PRC	6	7	10	15	24	37	51	68	90	121	182	256	328	413	499	35.3
Hong Kong, China	457	492	526	556	602	662	748	906	1,055	1,233	1,406	1,439	1,507	1,640	1,740	11.2
Korea, Rep. of	312	341	363	389	419	449	500	594	737	1,052	1,121	1,158	1,220	1,241	1,314	12.1
Mongolia	32	32	32	30	31	34	37	38	48	58	113	132	140	184	...	19.9
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>19</b>	<b>22</b>	<b>25</b>	<b>31</b>	<b>41</b>	<b>55</b>	<b>70</b>	<b>91</b>	<b>117</b>	<b>160</b>	<b>222</b>	<b>294</b>	<b>366</b>	<b>449</b>	<b>534</b>	<b>29.2</b>
<b>Southeast Asia</b>																
Cambodia	0	0	0	1	2	2	3	4	7	9	13	20	31	40	...	47.0
Indonesia	6	7	9	10	13	18	24	30	33	41	50	66	92	127	184	30.0
Lao PDR	2	2	2	2	4	4	5	6	7	9	10	15	21	32	48	27.9
Malaysia	94	106	122	142	173	213	253	290	300	330	424	515	572	642	766	16.0
Myanmar	2	2	2	3	3	4	4	5	5	6	6	7	8	9	10	12.5
Philippines	10	11	11	15	19	28	39	48	58	77	126	200	238	322	446	37.0
Singapore	363	377	399	430	458	492	543	668	732	888	1,168	1,196	1,265	1,284	1,350	11.4
Thailand	25	30	36	46	61	82	102	118	116	124	141	219	362	499	537	24.4
Viet Nam	1	2	2	4	6	11	17	20	26	31	42	54	73	88	184	40.0
<b>Subregion</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>22</b>	<b>28</b>	<b>36</b>	<b>46</b>	<b>55</b>	<b>59</b>	<b>70</b>	<b>91</b>	<b>124</b>	<b>164</b>	<b>212</b>	<b>285</b>	<b>26.3</b>
<b>South Asia</b>																
Afghanistan	2	2	2	2	2	2	1	1	1	1	1	1	3	11	28	33.7
Bangladesh	2	2	2	2	2	2	3	3	4	5	6	8	13	15	26	27.4
Bhutan	3	4	5	6	7	8	8	9	14	15	18	21	23	38	55	23.3
India	6	7	8	9	11	13	16	19	23	28	35	44	52	64	85	23.0
Maldives	29	34	37	42	49	55	59	72	79	89	111	155	231	308	451	25.0
Nepal	3	3	3	4	4	4	5	6	9	11	11	13	14	17	20	18.8
Pakistan	8	10	11	13	16	18	19	21	22	24	24	28	37	43	63	15.0
Sri Lanka	7	7	8	9	12	14	18	25	37	49	62	80	95	121	165	30.2
<b>Subregion</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>18</b>	<b>21</b>	<b>25</b>	<b>31</b>	<b>38</b>	<b>45</b>	<b>56</b>	<b>76</b>	<b>22.3</b>
<b>Central Asia</b>																
Armenia	158	163	168	173	178	181	182	182	181	178	179	182	201	223	260	3.8
Azerbaijan	87	85	84	83	84	84	85	89	94	138	152	197	210	243	299	13.6
Kazakhstan	82	87	91	121	123	124	124	118	120	121	136	170	209	239	351	11.0
Kyrgyz Republic	71	74	75	81	75	78	73	74	77	77	78	84	90	106	133	6.0
Tajikistan	45	48	48	47	47	46	42	38	37	35	36	37	40	46	...	-0.3
Turkmenistan	60	63	64	66	74	76	79	82	81	82	83	87	83	82	...	2.1
Uzbekistan	68	69	71	70	69	68	66	66	65	67	69	71	73	79	...	1.2
<b>Subregion</b>	<b>77</b>	<b>79</b>	<b>81</b>	<b>89</b>	<b>89</b>	<b>89</b>	<b>87</b>	<b>86</b>	<b>86</b>	<b>92</b>	<b>98</b>	<b>112</b>	<b>124</b>	<b>139</b>	<b>293</b>	<b>12.7</b>
<b>Pacific DMCs</b>																
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	59	62	67	72	80	87	95	98	107	131	174	212	227	254	...	13.4
Kiribati	17	17	18	23	25	25	26	30	33	37	40	43	52	...	...	11.1
Marshall Islands	11	15	18	47	65	68	73	76	80	85	84	85	87	86	...	6.2
FSM	25	27	30	59	68	74	76	78	85	92	90	94	94	156	226	12.7
Nauru	128	125	121	156	196	206	221	240	255	274	299	333	...	...	...	10.3
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	7	8	8	9	9	9	10	12	12	13	14	13	14	...	...	5.1
Samoa	25	26	40	43	44	46	49	54	57	62	62	68	80	130	...	11.7
Solomon Islands	15	15	15	16	17	19	20	22	22	23	21	19	17	16	...	0.1
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	46	54	58	62	67	71	83	76	87	93	99	110	144	...	...	9.6
Tuvalu	13	13	14	16	52	53	52	52	60	63	65	64	...	...	...	17.1
Vanuatu	17	20	23	25	27	25	26	28	29	31	37	36	58	71	83	12.1
<b>Subregion</b>	<b>16</b>	<b>17</b>	<b>19</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>25</b>	<b>27</b>	<b>29</b>	<b>32</b>	<b>38</b>	<b>41</b>	<b>44</b>	<b>152</b>	<b>133</b>	<b>9.0</b>
<b>Asia</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>22</b>	<b>27</b>	<b>35</b>	<b>44</b>	<b>55</b>	<b>68</b>	<b>89</b>	<b>119</b>	<b>156</b>	<b>194</b>	<b>240</b>	<b>295</b>	<b>26.7</b>
<b>Industrialized Countries</b>																
Canada	571	589	606	626	657	687	724	762	815	895	961	1,022	1,036	1,070	1,113	5.4
France	500	517	533	548	565	583	609	679	776	944	1,070	1,201	1,220	1,258	1,299	8.7
Germany	405	426	451	478	507	560	606	652	737	873	1,197	1,317	1,367	1,442	1,525	11.7
Italy	399	417	431	445	469	503	552	651	807	985	1,203	1,362	1,410	1,446	1,541	12.6
Japan	448	465	478	490	520	590	723	825	868	939	1,015	1,071	1,114	1,151	1,183	8.6
United Kingdom	460	471	484	510	555	603	650	696	814	1,042	1,317	1,359	1,407	1,476	1,583	11.0
United States	566	581	602	631	675	726	781	841	903	987	1,070	1,122	1,145	1,175	1,227	6.2
<b>Industrialized Group</b>	<b>495</b>	<b>511</b>	<b>529</b>	<b>552</b>	<b>588</b>	<b>637</b>	<b>702</b>	<b>770</b>	<b>846</b>	<b>962</b>	<b>1,102</b>	<b>1,178</b>	<b>1,210</b>	<b>1,251</b>	<b>1,310</b>	<b>8.3</b>
<b>World</b>	<b>...</b>	<b>105</b>	<b>110</b>	<b>116</b>	<b>125</b>	<b>138</b>	<b>154</b>	<b>173</b>	<b>197</b>	<b>233</b>	<b>284</b>	<b>327</b>	<b>362</b>	<b>406</b>	<b>466</b>	<b>14.0</b>

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Asia refers to ADB's DMCs. Industrialized countries refer to the G7.

Sources: United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); International Telecommunication Union, Key Global Telecom Indicators for the World Telecommunication Service Sector ([http://www.itu.int/ITU-D/ict/statistics/at\\_glance/KeyTelecom99.html](http://www.itu.int/ITU-D/ict/statistics/at_glance/KeyTelecom99.html)); and World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**APPENDIX 2: COMPARING INFRASTRUCTURE DEVELOPMENT IN THE PEOPLE'S REPUBLIC OF CHINA AND INDIA, 1990 AND 2004**

Infrastructure Indicators	1990		2004		Growth Rate, 1990-2004 (%)	
	India	PRC	India	PRC	India	PRC
Total Road Network (1,000 km) <sup>a</sup>	2,000.0	1,181.0	3,315.2	1,765.2	4.3	3.4
Roads Network (km/million people) <sup>a</sup>	2,354.3	1,040.4	3,161.5	1,378.6	2.5	2.4
Roads Network (km/1,000 km <sup>2</sup> ) <sup>a</sup>	672.7	126.6	1,115.0	189.3	4.3	3.4
Rail Lines, (1,000 total route-km)	62.4	53.4	63.2	61.0	0.1	1.0
Rail Lines, total route (km/million people)	73.4	47.0	58.6	47.1	-1.6	0.0
Rail Lines, total route (km/1,000 km <sup>2</sup> )	21.0	5.7	21.3	6.5	0.1	1.0
Total Net Electricity Generation, (billion kWh)	275.5	590.3	630.6	2,079.7	6.1	9.4
Total Net Electricity Generation Per Capita, (kWh/person)	324.3	520.0	584.0	1,604.5	4.3	8.4
Proportion of Population with Access to an Improved Water Source (%)						
Total	70.0	70.0	86.0	77.0	1.5	0.7
Urban	89.0	99.0	95.0	93.0	0.5	-0.4
Rural	64.0	59.0	83.0	67.0	1.9	0.9
Proportion of Population with Access to Improved Sanitation (%)						
Total	14.0	23.0	33.0	44.0	6.3	4.7
Urban	45.0	64.0	59.0	69.0	2.0	0.5
Rural	3.0	7.0	22.0	28.0	15.3	10.4
Telephone Lines and Cellular Subscribers (million)	5.1	6.9	91.3	646.6	22.9	38.4
Telephone Lines and Cellular Subscribers (per 1,000 people)	6.0	6.1	84.5	498.8	20.8	37.0

0.0 = Magnitude is less than half of unit employed.

km = kilometer; km<sup>2</sup> = square kilometer; kWh = kilowatt-hour; PRC = People's Republic of China.

<sup>a</sup> The latest available year for road indicators is 2002.

Sources: Energy Information Administration, International Energy Annual 2004 (<http://www.eia.doe.gov/pub/international/fealf/table63.xls>); United Nations Statistics Division, Millennium Development Goals Indicators (<http://mdgs.un.org/unsd/mdg/Data.aspx>); and World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

### APPENDIX 3: INFRASTRUCTURE QUALITY

Scoring Criteria	Overall Infrastructure Quality		Railroad Infrastructure Development		Port Infrastructure <sup>a</sup>		Air Transport Infrastructure	
	1=poorly developed & inefficient		1=underdeveloped		1=underdeveloped		1=infrequent & inefficient	
	7=among the best in the world		7=as extensive & efficient as the world's best		7=as developed as the world's best		7=as extensive & efficient as the world's best	
	Score	Rank	Score	Rank	Score	Rank	Score	Rank
<b>East Asia</b>								
PRC	3.2	69	3.6	42	3.6	62	4.0	77
Hong Kong, China	6.3	8	6.2	6	6.4	4	6.5	5
Korea, Rep. of	5.2	23	5.4	12	5.3	19	5.5	31
Mongolia	2.1	110	2.8	57	1.5	111	2.9	111
Taipei, China	5.4	20	5.2	15	5.6	16	5.7	20
<b>Average</b>	<b>4.4</b>		<b>4.6</b>		<b>4.5</b>		<b>4.9</b>	
<b>Southeast Asia</b>								
Cambodia	2.4	100	1.5	97	2.7	90	3.6	91
Indonesia	3.3	66	3.1	52	3.3	71	4.2	70
Lao PDR <sup>c</sup>	...	...	...	...	...	...	...	...
Malaysia	6.0	14	5.4	10	5.9	13	6.0	15
Myanmar <sup>c</sup>	...	...	...	...	...	...	...	...
Philippines	2.6	94	1.3	103	2.8	84	4.0	75
Singapore	6.7	2	5.8	7	6.8	1	6.9	1
Thailand	4.8	33	3.5	44	4.4	39	5.4	32
Viet Nam	2.6	92	2.3	65	2.8	89	3.6	92
<b>Average</b>	<b>4.1</b>		<b>3.3</b>		<b>4.1</b>		<b>4.8</b>	
<b>South Asia</b>								
Afghanistan <sup>c</sup>	...	...	...	...	...	...	...	...
Bangladesh	2.7	88	2.6	62	2.6	93	3.1	106
Bhutan <sup>c</sup>	...	...	...	...	...	...	...	...
India	2.9	78	4.2	27	3.1	76	4.5	57
Maldives <sup>c</sup>	...	...	...	...	...	...	...	...
Nepal <sup>c</sup>	...	...	...	...	...	...	...	...
Pakistan	3.0	77	2.7	59	3.3	68	4.7	53
Sri Lanka	2.8	87	2.2	67	3.4	66	3.7	89
<b>Average</b>	<b>2.9</b>		<b>2.9</b>		<b>3.1</b>		<b>4.0</b>	
<b>Central Asia</b>								
Armenia	2.9	80	1.8	76	1.3	116	3.6	93
Azerbaijan	3.6	56	4.2	26	4.3	45	5.1	41
Kazakhstan	3.5	60	4.0	32	2.9	81	4.1	71
Kyrgyz Republic	2.3	105	1.9	74	1.2	117	3.5	97
Tajikistan	3.1	73	2.9	54	1.7	107	3.7	86
Turkmenistan <sup>c</sup>	...	...	...	...	...	...	...	...
Uzbekistan <sup>c</sup>	...	...	...	...	...	...	...	...
<b>Average</b>	<b>3.1</b>		<b>3.0</b>		<b>2.3</b>		<b>4.0</b>	
<b>Pacific DMCs</b>								
Cook Islands <sup>c</sup>	...	...	...	...	...	...	...	...
Fiji Islands <sup>c</sup>	...	...	...	...	...	...	...	...
Kiribati <sup>c</sup>	...	...	...	...	...	...	...	...
Marshall Islands <sup>c</sup>	...	...	...	...	...	...	...	...
FSM <sup>c</sup>	...	...	...	...	...	...	...	...
Nauru <sup>c</sup>	...	...	...	...	...	...	...	...
Palau <sup>c</sup>	...	...	...	...	...	...	...	...
Papua New Guinea <sup>c</sup>	...	...	...	...	...	...	...	...
Samoa <sup>c</sup>	...	...	...	...	...	...	...	...
Solomon Islands <sup>c</sup>	...	...	...	...	...	...	...	...
Timor-Leste, Dem. Rep. of	2.1	113	1.6	89	1.8	106	2.8	112
Tonga <sup>c</sup>	...	...	...	...	...	...	...	...
Tuvalu <sup>c</sup>	...	...	...	...	...	...	...	...
Vanuatu <sup>c</sup>	...	...	...	...	...	...	...	...
<b>Average</b>	<b>2.1</b>		<b>1.6</b>		<b>1.8</b>		<b>2.8</b>	
<b>Asia <sup>d</sup> Average</b>	<b>3.6</b>		<b>3.4</b>		<b>3.5</b>		<b>4.4</b>	
<b>Industrialized Countries <sup>e</sup></b>								
Canada	6.1	10	5.4	13	5.7	15	5.9	16
France	6.6	5	6.7	3	6.1	9	6.3	7
Germany	6.7	3	6.3	4	6.3	5	6.6	3
Italy	3.8	52	3.5	45	3.2	72	4.5	58
Japan	6.0	12	6.7	1	6.0	12	6.0	12
United Kingdom	5.3	22	4.3	25	5.3	21	6.2	10
United States	6.5	6	4.9	18	6.0	10	6.6	2
<b>Average</b>	<b>5.9</b>		<b>5.4</b>		<b>5.5</b>		<b>6.0</b>	
<b>World <sup>f</sup> Average</b>	<b>3.9</b>		<b>3.0</b>		<b>3.8</b>		<b>4.5</b>	

... = Data not available.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China. <sup>a</sup> Port infrastructure refer to port facilities and inland waterways. <sup>b</sup> Electricity supply refers to lack of interruptions and lack of voltage fluctuations. <sup>c</sup> Country is not part of the World Economic Forum survey. <sup>d</sup> Asia refers to ADB's DMCs included in the survey. <sup>e</sup> Industrialized countries refer to G7. <sup>f</sup> World refers to the 117 countries included in the survey.

Source: World Economic Forum. 2005. *The Global Competitiveness Report 2005-2006*. New York: Palgrave Macmillan.

Appendix 3 continued

Scoring Criteria	Electricity Supply <sup>b</sup>		New Telephone/Fax Infrastructure	
	1=worst than in most other countries		1=scarce & difficult to obtain	
	7=meets the highest standards in the world		7=widely available & highly reliable	
	Score	Rank	Score	Rank
<b>East Asia</b>				
PRC	3.7	80	5.5	67
Hong Kong, China	6.4	17	6.7	12
Korea, Rep. of	5.9	27	6.3	38
Mongolia	3.0	99	4.2	96
Taipei, China	5.9	28	6.5	23
<b>Average</b>	<b>5.0</b>		<b>5.8</b>	
<b>Southeast Asia</b>				
Cambodia	2.6	102	4.7	87
Indonesia	3.6	84	4.4	90
Lao PDR <sup>c</sup>	...	...	...	...
Malaysia	5.8	31	6.1	45
Myanmar <sup>c</sup>	...	...	...	...
Philippines	3.7	83	5.5	65
Singapore	6.5	13	6.8	4
Thailand	5.3	42	6.1	47
Viet Nam	3.5	88	5.8	58
<b>Average</b>	<b>4.4</b>		<b>5.6</b>	
<b>South Asia</b>				
Afghanistan <sup>c</sup>	...	...	...	...
Bangladesh	2.3	105	2.5	116
Bhutan <sup>c</sup>	...	...	...	...
India	3.3	94	6.3	36
Maldives <sup>c</sup>	...	...	...	...
Nepal <sup>c</sup>	...	...	...	...
Pakistan	3.5	86	5.7	60
Sri Lanka	3.8	77	5.5	66
<b>Average</b>	<b>3.2</b>		<b>5.0</b>	
<b>Central Asia</b>				
Armenia	3.7	81	3.8	105
Azerbaijan	3.3	93	5.3	71
Kazakhstan	4.6	61	4.9	82
Kyrgyz Republic	3.4	90	3.8	104
Tajikistan	1.9	111	4.6	88
Turkmenistan <sup>c</sup>	...	...	...	...
Uzbekistan <sup>c</sup>	...	...	...	...
<b>Average</b>	<b>3.4</b>		<b>4.5</b>	
<b>Pacific DMCs</b>				
Cook Islands <sup>c</sup>	...	...	...	...
Fiji Islands <sup>c</sup>	...	...	...	...
Kiribati <sup>c</sup>	...	...	...	...
Marshall Islands <sup>c</sup>	...	...	...	...
FSM <sup>c</sup>	...	...	...	...
Nauru <sup>c</sup>	...	...	...	...
Palau <sup>c</sup>	...	...	...	...
Papua New Guinea <sup>c</sup>	...	...	...	...
Samoa <sup>c</sup>	...	...	...	...
Solomon Islands <sup>c</sup>	...	...	...	...
Timor-Leste, Dem. Rep. of	1.8	113	3.9	100
Tonga <sup>c</sup>	...	...	...	...
Tuvalu <sup>c</sup>	...	...	...	...
Vanuatu <sup>c</sup>	...	...	...	...
<b>Average</b>	<b>1.8</b>		<b>3.9</b>	
<b>Asia<sup>d</sup> Average</b>	<b>4.0</b>		<b>5.2</b>	
<b>Industrialized Countries<sup>e</sup></b>				
Canada	6.5	15	6.6	15
France	6.8	6	6.8	8
Germany	6.9	2	6.9	1
Italy	5.4	39	5.6	62
Japan	6.8	3	6.9	2
United Kingdom	6.5	14	6.5	26
United States	6.6	11	6.7	10
<b>Average</b>	<b>6.5</b>		<b>6.6</b>	
<b>World<sup>f</sup> Average</b>	<b>4.6</b>		<b>5.4</b>	

**APPENDIX 4: PRIVATE SECTOR INVESTMENT IN INFRASTRUCTURE**
**Appendix Table 4.1:** Private Sector Investment in Infrastructure by Region and Financial Closure Year (\$ million), 1984–2005

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1984–1997
<b>East Asia</b>															
PRC	62.0	...	4,000.0	...	...	542.6	173.0	2,378.8	543.6	3,369.0	2,487.8	1,296.7	7,114.3	12,806.5	34,774.3
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mongolia	...	...	...	...	...	...	...	...	...	...	...	13.1	...	...	13.1
Taipei, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>62.0</b>	<b>...</b>	<b>4,000.0</b>	<b>...</b>	<b>...</b>	<b>542.6</b>	<b>173.0</b>	<b>2,378.8</b>	<b>543.6</b>	<b>3,369.0</b>	<b>2,487.8</b>	<b>1,309.8</b>	<b>7,114.3</b>	<b>12,806.5</b>	<b>34,787.4</b>
<b>Southeast Asia</b>															
Cambodia	...	...	...	...	...	...	...	...	12.6	17.5	...	121.5	8.0	205.0	364.6
Indonesia	...	...	...	...	...	...	116.0	10.8	251.5	51.5	1,443.8	4,752.8	5,002.6	3,251.8	14,880.8
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	627.5	57.0	684.5
Malaysia	...	31.9	...	44.0	3,192.0	154.2	870.7	-	1,794.0	1,667.5	6,337.3	2,822.0	2,002.0	3,008.5	21,924.1
Myanmar	...	...	...	...	...	...	...	...	...	...	...	394.0	50.0	...	444.0
Philippines	...	...	...	...	110.0	...	98.2	182.8	814.2	1,828.5	2,217.8	3,222.4	3,259.5	7,575.0	19,308.4
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	12.2	4.9	...	...	...	...	1,065.0	667.7	1,902.0	2,631.3	663.5	3,614.8	3,907.8	2,421.9	16,891.1
Viet Nam	...	...	...	...	...	...	...	...	...	...	10.0	256.0	220.0	180.0	666.0
<b>Subregion</b>	<b>12.2</b>	<b>36.8</b>	<b>...</b>	<b>44.0</b>	<b>3,302.0</b>	<b>154.2</b>	<b>2,149.9</b>	<b>861.3</b>	<b>4,774.3</b>	<b>6,196.3</b>	<b>10,672.4</b>	<b>15,183.5</b>	<b>15,077.4</b>	<b>16,699.2</b>	<b>75,163.5</b>
<b>South Asia</b>															
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bangladesh	...	...	...	...	...	...	110.0	6.0	...	...	...	30.0	165.4	387.7	699.1
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
India	...	...	...	...	...	...	1.9	613.6	13.4	1,050.7	536.5	1,691.1	1,746.8	5,134.1	10,788.1
Maldives	...	...	...	...	...	...	...	...	...	...	...	2.4	4.6	2.2	9.2
Nepal	...	...	...	...	...	...	...	...	...	...	131.4	...	98.2	...	229.6
Pakistan	...	...	...	...	...	...	19.9	19.9	26.6	19.9	2,133.9	2,101.7	2,383.7	303.7	7,009.3
Sri Lanka	...	...	...	...	...	18.0	...	...	...	41.6	2.0	39.7	226.0	299.6	626.9
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>18.0</b>	<b>131.8</b>	<b>639.5</b>	<b>40.0</b>	<b>1,112.2</b>	<b>2,803.8</b>	<b>3,864.9</b>	<b>4,624.7</b>	<b>6,127.3</b>	<b>19,362.2</b>
<b>Central Asia</b>															
Armenia	...	...	...	...	...	...	...	...	...	...	...	1,300.0	...	...	1,300.0
Azerbaijan	...	...	...	...	...	...	...	...	...	...	14.0	...	20.0	1.0	35.0
Kazakhstan	...	...	...	...	...	...	...	...	...	...	30.0	-	767.8	1,499.9	2,297.7
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	12.0	88.0	100.0
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	0.2
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uzbekistan	...	...	...	...	...	...	...	...	2.5	...	...	...	31.0	108.4	141.9
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>2.5</b>	<b>...</b>	<b>44.0</b>	<b>1,300.0</b>	<b>831.0</b>	<b>1,697.3</b>	<b>3,874.8</b>
<b>Pacific DMCs</b>															
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	...	...	...	...	...	...	...	...	...	...	21.0	2.9	2.9	2.9	29.7
Kiribati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...	...	...	...	...	...	65.0	71.0	136.0
Samoa	...	...	...	...	...	...	...	...	...	...	...	...	...	10.0	10.0
Solomon Islands	...	...	...	...	...	10.0	...	...	...	...	...	...	...	...	10.0
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	...	...	...	...	...	17.0	...	...	6.0	...	...	23.0
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>10.0</b>	<b>...</b>	<b>...</b>	<b>17.0</b>	<b>...</b>	<b>21.0</b>	<b>8.9</b>	<b>67.9</b>	<b>83.9</b>	<b>208.7</b>
<b>Asia</b>	<b>74.2</b>	<b>36.8</b>	<b>4,000.0</b>	<b>44.0</b>	<b>3,302.0</b>	<b>724.8</b>	<b>2,454.7</b>	<b>3,879.6</b>	<b>5,377.4</b>	<b>10,677.5</b>	<b>16,029.0</b>	<b>21,667.1</b>	<b>27,715.3</b>	<b>37,414.2</b>	<b>133,396.6</b>
<b>Europe</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>68.0</b>	<b>277.2</b>	<b>358.5</b>	<b>860.9</b>	<b>3,610.8</b>	<b>8,182.2</b>	<b>9,088.8</b>	<b>12,180.0</b>	<b>34,626.4</b>
<b>Latin America and the Caribbean</b>	<b>-</b>	<b>146.9</b>	<b>10.3</b>	<b>141.2</b>	<b>320.0</b>	<b>2,479.6</b>	<b>7,847.5</b>	<b>9,941.7</b>	<b>12,024.0</b>	<b>15,582.0</b>	<b>16,331.4</b>	<b>17,574.9</b>	<b>26,757.1</b>	<b>49,482.4</b>	<b>158,639.0</b>
<b>Middle East and North Africa</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>10.0</b>	<b>...</b>	<b>10.0</b>	<b>5,232.0</b>	<b>247.5</b>	<b>70.0</b>	<b>40.0</b>	<b>4,736.0</b>	<b>10,345.5</b>
<b>Sub-Saharan Africa</b>	<b>-</b>	<b>...</b>	<b>-</b>	<b>20.0</b>	<b>-</b>	<b>24.3</b>	<b>39.6</b>	<b>-</b>	<b>20.0</b>	<b>31.3</b>	<b>647.4</b>	<b>831.0</b>	<b>991.3</b>	<b>3,371.7</b>	<b>5,976.6</b>
<b>World</b>	<b>74.2</b>	<b>183.7</b>	<b>4,010.3</b>	<b>205.2</b>	<b>3,622.0</b>	<b>3,228.7</b>	<b>10,419.8</b>	<b>14,098.5</b>	<b>17,789.9</b>	<b>32,383.7</b>	<b>36,866.1</b>	<b>48,325.2</b>	<b>64,592.5</b>	<b>107,184.3</b>	<b>342,984.1</b>

... = Data not available; - = Magnitude equals zero.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Canceled projects are not included. Asia refers to ADB's DMCs.

Source: World Bank, Private Participation in Infrastructure Database ([http://ppi.worldbank.org/explore/ppi\\_exploreDetail.aspx?mode=group&panel=sector&results=0](http://ppi.worldbank.org/explore/ppi_exploreDetail.aspx?mode=group&panel=sector&results=0)).

Appendix Table 4.1 continued

Country	1998	1999	2000	2001	2002	2003	2004	2005	1998–2005	Total
<b>East Asia</b>										
PRC	4,615.1	6,743.3	8,458.3	1,840.8	3,493.5	3,700.7	3,468.6	4,882.2	37,202.5	71,976.8
Hong Kong, China	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	...	...	...	...	...	...	...	...	...	...
Mongolia	3.1	5.7	11.0	6.6	2.5	2.0	...	-	30.9	44.0
Taipei, China	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>4,618.2</b>	<b>6,749.0</b>	<b>8,469.3</b>	<b>1,847.4</b>	<b>3,496.0</b>	<b>3,702.7</b>	<b>3,468.6</b>	<b>4,882.2</b>	<b>37,233.4</b>	<b>72,020.8</b>
<b>Southeast Asia</b>										
Cambodia	13.8	17.1	28.4	97.0	39.7	17.0	85.6	93.8	392.4	757.0
Indonesia	1,050.4	1,637.1	153.9	1,314.0	1,509.1	1,449.5	1,606.7	1,445.0	10,165.7	25,046.5
Lao PDR	1.4	6.7	5.5	12.3	19.7	6.1	34.1	1,260.1	1,345.9	2,030.4
Malaysia	736.4	673.6	5,298.9	2,861.1	505.8	4,056.1	5,260.7	2,666.0	22,058.6	43,982.7
Myanmar	...	...	...	...	...	...	...	...	...	444.0
Philippines	1,806.7	886.3	2,153.1	2,217.6	862.5	1,388.4	1,528.6	744.7	11,587.9	30,896.3
Singapore	...	...	...	...	...	...	...	...	...	...
Thailand	932.8	655.7	1,369.8	3,256.8	1,198.2	2,045.0	1,051.6	2,427.2	12,937.1	29,828.2
Viet Nam	38.8	120.5	150.0	87.0	1,810.0	642.0	70.0	-	2,918.3	3,584.3
<b>Subregion</b>	<b>4,580.3</b>	<b>3,997.0</b>	<b>9,159.6</b>	<b>9,845.8</b>	<b>5,945.0</b>	<b>9,604.1</b>	<b>9,637.3</b>	<b>8,636.8</b>	<b>61,405.9</b>	<b>136,569.4</b>
<b>South Asia</b>										
Afghanistan	...	...	...	...	70.0	69.0	65.0	80.1	284.1	284.1
Bangladesh	251.0	158.9	92.6	534.3	60.9	205.0	420.0	716.0	2,438.7	3,137.8
Bhutan	...	...	...	...	...	...	...	...	...	...
India	2,035.0	2,115.7	3,108.8	4,004.0	5,553.5	3,309.7	9,020.2	8,441.2	37,588.1	48,376.2
Maldives	1.7	21.3	1.7	2.6	0.4	8.6	...	40.0	76.3	85.5
Nepal	...	...	54.1	...	4.9	-	43.3	34.0	136.3	365.9
Pakistan	6.0	...	76.7	60.0	170.0	270.0	1,487.8	4,177.3	6,247.8	13,257.1
Sri Lanka	38.3	430.6	160.4	142.8	121.7	90.0	203.4	215.6	1,402.8	2,029.7
<b>Subregion</b>	<b>2,332.0</b>	<b>2,726.5</b>	<b>3,494.3</b>	<b>4,743.7</b>	<b>5,981.4</b>	<b>3,952.3</b>	<b>11,239.7</b>	<b>13,704.2</b>	<b>48,174.1</b>	<b>67,536.3</b>
<b>Central Asia</b>										
Armenia	380.5	...	-	50.0	38.4	66.0	54.0	132.0	720.9	2,020.9
Azerbaijan	74.0	27.0	60.6	247.0	152.2	39.0	109.0	123.0	831.8	866.8
Kazakhstan	106.0	177.5	475.0	64.5	115.0	139.0	275.7	409.0	1,761.7	4,059.4
Kyrgyz Republic	...	...	-	5.0	-	4.1	-	-	9.1	109.1
Tajikistan	...	1.0	...	8.5	16.0	-	-	-	25.5	25.7
Turkmenistan	...	...	...	...	...	...	...	...	...	...
Uzbekistan	31.2	13.2	26.2	130.2	23.2	10.0	3.0	85.0	322.0	463.9
<b>Subregion</b>	<b>591.7</b>	<b>218.7</b>	<b>561.8</b>	<b>505.2</b>	<b>344.8</b>	<b>258.1</b>	<b>441.7</b>	<b>749.0</b>	<b>3,671.0</b>	<b>7,545.8</b>
<b>Pacific DMCs</b>										
Cook Islands	...	...	...	...	...	...	...	...	...	...
Fiji Islands	2.9	2.9	2.9	2.9	30.9	2.9	13.9	24.0	83.3	113.0
Kiribati	...	...	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...	...	...	136.0
Samoa	...	...	-	-	-	...	...	...	-	10.0
Solomon Islands	...	...	...	...	...	...	...	...	-	10.0
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	7.0	15.0	...	...	10.0	-	32.0	32.0
Tuvalu	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	6.0	...	...	6.0	-	...	...	12.0	35.0
<b>Subregion</b>	<b>2.9</b>	<b>8.9</b>	<b>9.9</b>	<b>17.9</b>	<b>36.9</b>	<b>2.9</b>	<b>23.9</b>	<b>24.0</b>	<b>127.3</b>	<b>336.0</b>
<b>Asia</b>	<b>12,125.1</b>	<b>13,700.1</b>	<b>21,694.9</b>	<b>16,960.0</b>	<b>15,804.1</b>	<b>17,520.1</b>	<b>24,811.2</b>	<b>27,996.2</b>	<b>150,611.7</b>	<b>284,008.3</b>
<b>Europe</b>	<b>11,462.8</b>	<b>10,851.9</b>	<b>24,735.1</b>	<b>15,267.3</b>	<b>17,794.7</b>	<b>11,517.7</b>	<b>14,670.4</b>	<b>33,603.2</b>	<b>139,903.1</b>	<b>174,529.5</b>
<b>Latin America and the Caribbean</b>	<b>73,303.3</b>	<b>37,032.4</b>	<b>40,241.9</b>	<b>34,960.1</b>	<b>20,637.3</b>	<b>16,633.7</b>	<b>20,249.0</b>	<b>22,500.2</b>	<b>265,557.9</b>	<b>424,196.9</b>
<b>Middle East and North Africa</b>	<b>3,315.3</b>	<b>2,833.4</b>	<b>3,917.0</b>	<b>4,215.7</b>	<b>1,552.6</b>	<b>1,994.6</b>	<b>7,616.5</b>	<b>6,695.4</b>	<b>32,140.5</b>	<b>42,486.0</b>
<b>Sub-Saharan Africa</b>	<b>2,024.4</b>	<b>2,726.7</b>	<b>2,043.3</b>	<b>3,949.2</b>	<b>3,274.8</b>	<b>7,161.0</b>	<b>4,022.4</b>	<b>5,438.7</b>	<b>30,640.5</b>	<b>36,617.1</b>
<b>World</b>	<b>102,230.9</b>	<b>67,144.5</b>	<b>92,632.2</b>	<b>75,352.3</b>	<b>59,063.5</b>	<b>54,827.1</b>	<b>71,369.5</b>	<b>96,233.7</b>	<b>618,853.7</b>	<b>961,837.8</b>

**Appendix Table 4.2:** Private Sector Investment in Infrastructure by Type (\$ million), 1984–2005

Country	Concession	Divestiture	Greenfield project	Management and lease contract	Total
<b>East Asia</b>					
PRC	5,533.4	26,307.9	39,896.9	238.4	71,976.6
Hong Kong, China	...	...	...	...	...
Korea, Rep. of	...	...	...	...	...
Mongolia	...	4.5	39.5	...	44.0
Taipei, China	...	...	...	...	...
<b>Subregion</b>	<b>5,533.4</b>	<b>26,312.4</b>	<b>39,936.4</b>	<b>238.4</b>	<b>72,020.6</b>
<b>Southeast Asia</b>					
Cambodia	301.6	...	455.4	...	757.0
Indonesia	3,121.6	7,078.1	14,846.8	-	25,046.5
Lao PDR	231.4	...	1,798.9	-	2,030.3
Malaysia	13,633.9	6,004.2	24,344.6	-	43,982.7
Myanmar	...	...	444.0	...	444.0
Philippines	5,496.9	2,291.5	23,107.9	...	30,896.3
Singapore	...	...	...	...	...
Thailand	102.0	2,675.8	27,045.5	4.9	29,828.2
Viet Nam	661.0	...	2,923.3	...	3,584.3
<b>Subregion</b>	<b>23,548.4</b>	<b>18,049.6</b>	<b>94,966.4</b>	<b>4.9</b>	<b>136,569.3</b>
<b>South Asia</b>					
Afghanistan	...	...	284.1	...	284.1
Bangladesh	...	...	3,137.8	-	3,137.8
Bhutan	...	...	...	...	...
India	1,393.6	5,598.6	41,384.0	-	48,376.2
Maldives	45.5	...	40.0	...	85.5
Nepal	...	...	365.9	...	365.9
Pakistan	283.3	4,287.1	8,686.7	...	13,257.1
Sri Lanka	240.0	369.4	1,420.3	...	2,029.7
<b>Subregion</b>	<b>1,962.4</b>	<b>10,255.1</b>	<b>55,318.8</b>	<b>-</b>	<b>67,536.3</b>
<b>Central Asia</b>					
Armenia	50.0	1,895.9	75.0	-	2,020.9
Azerbaijan	375.2	...	491.6	-	866.8
Kazakhstan	123.2	2,889.5	1,046.7	-	4,059.4
Kyrgyz Republic	...	88.0	21.1	...	109.1
Tajikistan	16.0	...	9.7	...	25.7
Turkmenistan	...	...	...	...	...
Uzbekistan	...	...	463.9	-	463.9
<b>Subregion</b>	<b>564.4</b>	<b>4,873.4</b>	<b>2,108.0</b>	<b>-</b>	<b>7,545.8</b>
<b>Pacific DMCs</b>					
Cook Islands	...	...	...	...	...
Fiji Islands	...	28.0	85.0	-	113.0
Kiribati	...	...	...	...	...
Marshall Islands	...	...	...	...	...
FSM	...	...	...	...	...
Nauru	...	...	...	...	...
Palau	...	...	...	...	...
Papua New Guinea	71.0	...	65.0	...	136.0
Samoa	...	...	10.0	...	10.0
Solomon Islands	10.0	...	...	...	10.0
Timor-Leste, Dem. Rep. of	...	...	...	...	...
Tonga	7.0	...	25.0	...	32.0
Tuvalu	...	...	...	...	...
Vanuatu	35.0	...	...	-	35.0
<b>Subregion</b>	<b>123.0</b>	<b>28.0</b>	<b>185.0</b>	<b>-</b>	<b>336.0</b>
<b>Asia</b>	<b>31,731.6</b>	<b>59,518.5</b>	<b>192,514.6</b>	<b>243.3</b>	<b>284,008.0</b>

... = Data not available; - = Magnitude equals zero.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Canceled projects are not included. Asia refers to ADB's DMCs.

Source: World Bank, Private Participation in Infrastructure Database ([http://ppi.worldbank.org/explore/ppi\\_exploreDetail.aspx?mode=group&panel=sector&results=0](http://ppi.worldbank.org/explore/ppi_exploreDetail.aspx?mode=group&panel=sector&results=0)).

**Appendix Table 4.3: Private Sector Investment in Infrastructure as Proportion of GDP (%), 1984–2005**

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
<b>East Asia</b>																							
PRC	0.02	...	1.35	...	...	0.16	0.05	0.63	0.13	0.76	0.44	0.18	0.83	1.34	0.45	0.62	0.71	0.14	0.24	0.23	0.18	0.22	
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Korea, Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mongolia	...	...	...	...	...	...	...	...	...	...	...	1.07	...	...	0.32	0.63	1.16	0.65	0.22	0.16	...	...	
Taipei,China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Subregion</b>	<b>0.02</b>	<b>...</b>	<b>1.35</b>	<b>...</b>	<b>...</b>	<b>0.16</b>	<b>0.05</b>	<b>0.63</b>	<b>0.13</b>	<b>0.76</b>	<b>0.44</b>	<b>0.18</b>	<b>0.83</b>	<b>1.34</b>	<b>0.45</b>	<b>0.62</b>	<b>0.71</b>	<b>0.14</b>	<b>0.24</b>	<b>0.23</b>	<b>0.18</b>	<b>0.22</b>	
<b>Southeast Asia</b>																							
Cambodia	...	...	...	...	...	...	...	...	0.64	0.69	...	3.53	0.23	5.96	0.44	0.49	0.78	2.56	0.97	0.39	1.75	1.74	
Indonesia	...	...	...	...	...	...	0.10	0.01	0.18	0.03	0.82	2.35	2.20	1.51	1.10	1.17	0.09	0.80	0.75	0.61	0.63	0.50	
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	33.49	3.26	0.11	0.46	0.32	0.70	1.08	0.29	1.37	44.14	
Malaysia	...	0.10	...	0.14	9.05	0.40	1.98	...	3.03	2.49	8.51	3.18	1.99	3.00	1.02	0.85	5.87	3.25	0.53	3.90	4.45	2.05	
Myanmar	...	...	...	...	...	...	...	...	...	...	...	0.37	0.04	...	...	...	...	...	...	...	...	...	
Philippines	...	...	...	...	0.29	...	0.22	0.40	1.54	3.36	3.46	4.35	3.93	9.20	2.77	1.16	2.86	2.91	1.13	1.72	1.70	0.76	
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Thailand	0.03	0.01	...	...	...	...	1.25	0.68	1.71	2.10	0.46	2.15	2.15	1.61	0.83	0.54	1.12	2.82	0.94	1.43	0.65	1.37	
Viet Nam	...	...	...	...	...	...	...	...	...	...	0.06	1.23	0.89	0.67	0.14	0.42	0.48	0.27	5.16	1.62	0.15	...	
<b>Subregion</b>	<b>0.03</b>	<b>0.05</b>	<b>...</b>	<b>0.14</b>	<b>4.51</b>	<b>0.40</b>	<b>0.75</b>	<b>0.32</b>	<b>1.31</b>	<b>1.52</b>	<b>2.24</b>	<b>2.28</b>	<b>1.99</b>	<b>2.87</b>	<b>1.22</b>	<b>0.89</b>	<b>1.87</b>	<b>2.04</b>	<b>1.10</b>	<b>1.57</b>	<b>1.42</b>	<b>1.23</b>	
<b>South Asia</b>																							
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.73	1.50	1.09	1.12
Bangladesh	...	...	...	...	...	...	0.37	0.02	...	...	...	0.08	0.41	0.92	0.57	0.36	0.20	1.14	0.13	0.39	0.74	1.19	
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
India	...	...	...	...	...	...	0.00	0.23	0.01	0.38	0.17	0.48	0.45	1.25	0.49	0.47	0.67	0.84	1.10	0.55	1.30	1.07	
Maldives	...	...	...	...	...	...	...	...	...	...	...	0.60	1.02	0.43	0.31	3.61	0.27	0.42	0.06	1.24	...	4.90	
Nepal	...	...	...	...	...	...	...	...	...	...	3.23	...	2.19	...	...	...	0.99	...	0.09	...	0.64	0.46	
Pakistan	...	...	...	...	...	...	0.05	0.04	0.05	0.04	4.11	3.47	3.76	0.49	0.01	...	0.10	0.08	0.24	0.33	1.55	3.77	
Sri Lanka	...	...	...	...	...	0.26	...	...	0.40	0.02	0.30	1.63	1.99	0.24	2.75	0.98	0.91	0.74	0.49	1.01	0.92	...	
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>0.26</b>	<b>0.03</b>	<b>0.19</b>	<b>0.01</b>	<b>0.33</b>	<b>0.72</b>	<b>0.83</b>	<b>0.91</b>	<b>1.16</b>	<b>0.43</b>	<b>0.53</b>	<b>0.58</b>	<b>0.77</b>	<b>0.92</b>	<b>0.52</b>	<b>1.28</b>	<b>1.38</b>	
<b>Central Asia</b>																							
Armenia	...	...	...	...	...	...	...	...	...	...	...	88.54	...	...	20.09	...	...	2.36	1.62	2.35	1.51	2.69	
Azerbaijan	...	...	...	...	...	...	...	...	...	0.42	...	0.63	0.03	1.66	0.59	1.15	4.33	2.44	0.54	1.26	0.98	...	
Kazakhstan	...	...	...	...	...	...	...	...	...	0.14	...	3.65	6.77	0.48	1.05	2.60	0.29	0.47	0.45	0.64	0.73	...	
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	0.66	4.98	...	...	...	0.33	...	0.21	...	...	...	
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	0.02	...	...	0.09	...	0.77	1.29	...	...	...	...	
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Uzbekistan	...	...	...	...	...	...	...	...	0.02	...	...	...	0.22	0.74	0.21	0.08	0.19	1.14	0.24	0.10	0.02	0.62	
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>0.02</b>	<b>...</b>	<b>0.18</b>	<b>88.54</b>	<b>2.02</b>	<b>3.98</b>	<b>1.36</b>	<b>0.55</b>	<b>1.51</b>	<b>1.15</b>	<b>0.78</b>	<b>0.49</b>	<b>0.65</b>	<b>0.86</b>	
<b>Pacific DMCs</b>																							
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Fiji Islands	...	...	...	...	...	...	...	...	...	1.15	0.15	0.14	0.14	0.18	0.16	0.18	0.18	1.71	0.13	0.53	0.85	...	
Kiribati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
FSM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Nauru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Papua New Guinea	...	...	...	...	...	...	...	...	...	...	...	1.25	1.45	...	...	...	...	...	...	...	...	...	
Samoa	...	...	...	...	...	...	...	...	...	...	...	...	4.09	...	...	...	...	...	...	...	...	...	
Solomon Islands	...	...	...	...	...	4.38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Tonga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.56	11.16	...	...	4.71	...	
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Vanuatu	...	...	...	...	...	...	...	9.09	...	...	2.63	...	...	...	2.39	...	...	2.55	...	...	...	...	
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>4.38</b>	<b>...</b>	<b>...</b>	<b>9.09</b>	<b>...</b>	<b>1.15</b>	<b>0.40</b>	<b>0.93</b>	<b>1.15</b>	<b>0.18</b>	<b>0.42</b>	<b>0.55</b>	<b>1.02</b>	<b>1.80</b>	<b>0.13</b>	<b>0.84</b>	<b>0.85</b>	
<b>Asia</b>	<b>0.02</b>	<b>0.05</b>	<b>1.35</b>	<b>0.14</b>	<b>4.51</b>	<b>0.19</b>	<b>0.24</b>	<b>0.39</b>	<b>0.49</b>	<b>0.90</b>	<b>1.10</b>	<b>1.16</b>	<b>1.28</b>	<b>1.77</b>	<b>0.61</b>	<b>0.66</b>	<b>0.93</b>	<b>0.69</b>	<b>0.59</b>	<b>0.57</b>	<b>0.70</b>	<b>0.70</b>	

... = Data not available; 0.00 = Magnitude is less than half of unit employed.

DMC = developing member country; FSM = Federated States of Micronesia; GDP = gross domestic product; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Canceled projects are not included. Asia refers to ADB's DMCs.

Sources: World Bank, Private Participation in Infrastructure Database ([http://ppi.worldbank.org/explore/ppi\\_exploreDetail.aspx?mode=group&panel=sectoreresults=0](http://ppi.worldbank.org/explore/ppi_exploreDetail.aspx?mode=group&panel=sectoreresults=0)) and World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

**Appendix Table 4.4:** Private Sector Investment in Infrastructure per Capita (\$), 1984–2005

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>East Asia</b>															
PRC	0.06	...	3.75	...	...	0.49	0.15	2.07	0.47	2.86	2.09	1.08	5.84	10.41	3.72
Hong Kong, China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Korea, Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mongolia	...	...	...	...	...	...	...	...	...	...	...	5.76	...	...	1.32
Taipei,China	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Subregion</b>	<b>0.06</b>	<b>...</b>	<b>3.75</b>	<b>...</b>	<b>...</b>	<b>0.49</b>	<b>0.15</b>	<b>2.07</b>	<b>0.47</b>	<b>2.86</b>	<b>2.09</b>	<b>1.09</b>	<b>5.83</b>	<b>10.39</b>	<b>3.71</b>
<b>Southeast Asia</b>															
Cambodia	...	...	...	...	...	...	...	...	1.21	1.63	...	10.69	0.69	17.16	1.13
Indonesia	...	...	...	...	...	...	0.65	0.06	1.36	0.28	7.60	24.66	25.59	16.41	5.23
Lao PDR	...	...	...	...	...	...	...	...	...	...	...	...	130.70	11.59	0.28
Malaysia	...	2.03	...	2.67	188.44	8.87	48.79	...	95.34	86.29	319.43	138.59	95.83	140.41	33.53
Myanmar	...	...	...	...	...	...	...	...	...	...	...	8.85	1.11	...	...
Philippines	...	...	...	...	1.89	...	1.61	2.92	12.72	27.94	33.14	47.11	46.65	106.17	24.81
Singapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thailand	0.25	0.10	...	...	...	...	19.49	12.05	33.86	46.23	11.51	61.97	66.23	40.61	15.48
Viet Nam	...	...	...	...	...	...	...	...	...	...	0.14	3.51	2.96	2.39	0.51
<b>Subregion</b>	<b>0.25</b>	<b>0.56</b>	<b>...</b>	<b>2.67</b>	<b>43.89</b>	<b>8.87</b>	<b>6.89</b>	<b>2.88</b>	<b>14.31</b>	<b>18.24</b>	<b>26.28</b>	<b>32.40</b>	<b>31.33</b>	<b>37.70</b>	<b>10.19</b>
<b>South Asia</b>															
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bangladesh	...	...	...	...	...	...	1.06	0.06	...	...	...	0.26	1.39	3.19	2.03
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
India	...	...	...	...	...	...	0.00	0.71	0.02	1.17	0.59	1.81	1.84	5.32	2.07
Maldives	...	...	...	...	...	...	...	...	...	...	...	9.53	17.74	8.24	6.19
Nepal	...	...	...	...	...	...	...	...	...	...	6.21	...	4.42	...	...
Pakistan	...	...	...	...	...	...	0.18	0.18	0.23	0.17	17.87	17.17	19.01	2.36	0.05
Sri Lanka	...	...	...	...	...	1.07	...	...	...	2.36	0.11	2.19	12.33	16.14	2.04
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>1.07</b>	<b>0.12</b>	<b>0.59</b>	<b>0.04</b>	<b>1.08</b>	<b>2.61</b>	<b>3.25</b>	<b>3.75</b>	<b>4.96</b>	<b>1.86</b>
<b>Central Asia</b>															
Armenia	...	...	...	...	...	...	...	...	...	...	...	402.85	...	...	121.99
Azerbaijan	...	...	...	...	...	...	...	...	...	...	1.84	...	2.58	0.13	9.35
Kazakhstan	...	...	...	...	...	...	...	...	...	...	1.86	...	49.29	97.82	7.03
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	2.58	18.62	...
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	0.03	...	...
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uzbekistan	...	...	...	...	...	...	...	...	0.12	...	...	...	1.33	4.58	1.30
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>0.12</b>	<b>...</b>	<b>1.86</b>	<b>402.85</b>	<b>14.54</b>	<b>32.90</b>	<b>11.80</b>
<b>Pacific DMCs</b>															
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiji Islands	...	...	...	...	...	...	...	...	...	...	27.70	3.78	3.73	3.69	3.65
Kiribati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...	...	...	...	...	...	13.52	14.40	...
Samoa	...	...	...	...	...	...	...	...	...	...	...	...	...	58.19	...
Solomon Islands	...	...	...	...	...	32.49	...	...	...	...	...	...	...	...	...
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	...	...	...	...	...	107.35	...	...	34.84	...	...	...
<b>Subregion</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>32.49</b>	<b>...</b>	<b>...</b>	<b>107.35</b>	<b>...</b>	<b>27.70</b>	<b>9.47</b>	<b>12.16</b>	<b>14.25</b>	<b>3.65</b>
<b>Asia</b>	<b>0.07</b>	<b>0.56</b>	<b>3.75</b>	<b>2.67</b>	<b>43.89</b>	<b>0.63</b>	<b>0.98</b>	<b>1.53</b>	<b>2.14</b>	<b>4.18</b>	<b>5.94</b>	<b>7.55</b>	<b>9.25</b>	<b>12.61</b>	<b>4.04</b>

... = Data not available; 0.00 = Magnitude is less than half of unit employed.

DMC = developing member country; FSM = Federated States of Micronesia; Lao PDR = Lao People's Democratic Republic; PRC = People's Republic of China.

Notes: Canceled projects are not included. Asia refers to ADB's DMCs.

Sources: World Bank, Private Participation in Infrastructure Database ([http://ppi.worldbank.org/explore/ppi\\_exploreDetail.aspx?mode=group&panel=sector&results=0](http://ppi.worldbank.org/explore/ppi_exploreDetail.aspx?mode=group&panel=sector&results=0)); and World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

Appendix Table 4.4 continued

Country	1999	2000	2001	2002	2003	2004	2005
<b>East Asia</b>							
PRC	5.38	6.70	1.45	2.73	2.87	2.68	3.74
Hong Kong, China	...	...	...	...	...	...	...
Korea, Rep. of	...	...	...	...	...	...	...
Mongolia	2.40	4.59	2.73	1.02	0.81	...	...
Taipei, China	...	...	...	...	...	...	...
<b>Subregion</b>	<b>5.37</b>	<b>6.69</b>	<b>1.45</b>	<b>2.73</b>	<b>2.87</b>	<b>2.68</b>	<b>3.74</b>
<b>Southeast Asia</b>							
Cambodia	1.37	2.23	7.46	2.99	1.26	6.20	6.67
Indonesia	8.04	0.75	6.29	7.12	6.75	7.38	6.55
Lao PDR	1.30	1.04	2.28	3.56	1.08	5.89	212.71
Malaysia	29.96	230.42	121.79	21.10	165.98	211.32	105.18
Myanmar	...	...	...	...	...	...	...
Philippines	11.93	28.42	28.71	10.96	17.32	18.73	8.97
Singapore	...	...	...	...	...	...	...
Thailand	10.78	22.30	52.51	19.15	32.39	16.51	37.79
Viet Nam	1.55	1.91	1.09	22.51	7.90	0.85	...
<b>Subregion</b>	<b>8.76</b>	<b>19.78</b>	<b>20.96</b>	<b>12.48</b>	<b>19.89</b>	<b>19.69</b>	<b>20.90</b>
<b>South Asia</b>							
Afghanistan	...	...	...	3.21	3.11	2.80	3.39
Bangladesh	1.26	0.72	4.06	0.45	1.50	3.02	5.05
Bhutan	...	...	...	...	...	...	...
India	2.12	3.06	3.88	5.30	3.11	8.35	7.71
Maldives	75.40	5.86	8.73	1.31	27.45	...	121.51
Nepal	...	2.21	...	0.19	...	1.63	1.25
Pakistan	...	0.56	0.42	1.17	1.82	9.78	26.82
Sri Lanka	22.61	8.29	7.62	6.40	4.67	10.47	11.01
<b>Subregion</b>	<b>2.38</b>	<b>2.63</b>	<b>3.58</b>	<b>4.29</b>	<b>2.84</b>	<b>7.80</b>	<b>9.37</b>
<b>Central Asia</b>							
Armenia	...	...	16.31	12.59	21.73	17.84	43.76
Azerbaijan	3.38	7.53	30.45	18.62	4.74	13.12	14.66
Kazakhstan	11.89	31.91	4.34	7.74	9.32	18.36	27.00
Kyrgyz Republic	...	...	1.01	...	0.81	...	...
Tajikistan	0.16	...	1.36	2.54	...	...	...
Turkmenistan	...	...	...	...	...	...	...
Uzbekistan	0.54	1.06	5.19	0.91	0.39	0.11	3.20
<b>Subregion</b>	<b>4.10</b>	<b>11.79</b>	<b>8.11</b>	<b>5.96</b>	<b>4.52</b>	<b>8.40</b>	<b>14.09</b>
<b>Pacific DMCs</b>							
Cook Islands	...	...	...	...	...	...	...
Fiji Islands	3.61	3.58	3.54	37.40	3.48	16.53	28.31
Kiribati	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...
FSM	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...
Samoa	...	...	...	...	...	...	...
Solomon Islands	...	...	...	...	...	...	...
Timor-Leste, Dem. Rep. of	...	...	...	...	...	...	...
Tonga	...	69.87	148.91	...	...	98.06	...
Tuvalu	...	...	...	...	...	...	...
Vanuatu	31.97	...	...	30.11	...	...	...
<b>Subregion</b>	<b>8.99</b>	<b>10.87</b>	<b>19.47</b>	<b>35.98</b>	<b>3.48</b>	<b>25.35</b>	<b>28.31</b>
<b>Asia</b>	<b>4.71</b>	<b>6.99</b>	<b>5.42</b>	<b>4.92</b>	<b>5.44</b>	<b>7.57</b>	<b>8.66</b>

## APPENDIX 5: EXPECTED ANNUAL INVESTMENT NEEDS, 2005–2010

(\$ million)	Paved Road Length			Rail Road Length			Electricity Generation			Water		
	New	Maintenance	Subtotal	New	Maintenance	Subtotal	New	Maintenance	Subtotal	New	Maintenance	Subtotal
East Asia and Pacific	12,133	8,475	20,608	164	1,426	1,590	25,005	18,373	43,378	1,799	3,602	5,401
South Asia	6,575	15,753	22,328	126	1,372	1,498	11,124	6,986	18,110	1,912	3,286	5,198
Central Asia <sup>a</sup>	681	1,146	1,827	49	286	336	879	1,422	2,301	20	99	119
Asia Total <sup>b</sup>	19,389	25,374	44,763	339	3,084	3,424	37,008	26,781	63,789	3,731	6,987	10,718
Developing Countries	38,702	51,856	90,558	1,225	8,888	10,113	74,386	63,852	138,238	5,681	11,147	16,828
World	115,758	143,598	259,356	1,225	15,746	16,971	111,436	142,254	253,690	6,246	15,866	22,112
<b>% of GDP</b>												
East Asia and Pacific	0.45	0.31	0.76	0.01	0.05	0.06	0.92	0.67	1.59	0.07	0.13	0.20
South Asia	0.72	1.72	2.44	0.01	0.15	0.16	1.21	0.76	1.97	0.21	0.36	0.57
Central Asia <sup>c</sup>	0.69	1.16	1.85	0.05	0.29	0.34	0.89	1.44	2.33	0.02	0.10	0.12
Asia Total <sup>d</sup>	0.47	0.61	1.08	0.01	0.07	0.08	0.90	0.65	1.55	0.09	0.17	0.26
Developing Countries	0.46	0.61	1.07	0.01	0.10	0.11	0.88	0.75	1.63	0.07	0.13	0.20
World	0.28	0.35	0.63	0.00	0.04	0.04	0.27	0.35	0.62	0.02	0.04	0.06

GDP = gross domestic product.

<sup>a</sup> 2005 GDP for Central Asia multiplied by the % of GDP for the region Europe and Central Asia as given in source.

<sup>b</sup> Sum of East Asia and Pacific, South Asia, and Central Asia.

<sup>c</sup> Same % of GDP for the region Europe and Central Asia as given in source.

<sup>d</sup> Investment for East Asia and Pacific, South Asia, and Central Asia in levels above divided by total GDP of these subregions in 2005.

Sources: Fay, Marianne, and Tito Yepes. 2003. *Investing in Infrastructure—What is Needed from 2000 to 2010?* Policy Research Working Paper No. 3102. Washington, DC: World Bank; and World Bank, World Development Indicators Online (<http://devdata.worldbank.org/dataonline/>).

## APPENDIX 6: ADB PUBLIC SECTOR LOANS

Appendix Table 6.1: ADB Public Sector Loans in Infrastructure by Sector (\$ million), 1968–2009

Sector	Fund Type	Approved												Total Approved		
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	Amount	%
Energy	OCR	1,215.6	3,511.9	9,831.5	47.3	958.0	588.7	795.2	571.0	707.4	605.0	923.0	5,148.3	28.9	19,707.3	39.9
	ADF	314.3	1,251.5	1,572.3	27.3	107.6	74.2	132.4	83.7	-	31.5	96.5	525.9	18.0	3,663.9	28.3
	<b>Subtotal</b>	<b>1,529.9</b>	<b>4,763.4</b>	<b>11,403.8</b>	<b>43.0</b>	<b>1,065.6</b>	<b>662.9</b>	<b>927.6</b>	<b>654.7</b>	<b>707.4</b>	<b>636.5</b>	<b>1,019.5</b>	<b>5,674.2</b>	<b>27.4</b>	<b>23,371.3</b>	<b>37.5</b>
Transport and Communications	OCR	908.0	2,598.2	8,801.2	42.4	1,153.8	1,175.0	1,404.4	2,435.7	1,719.3	1,558.0	1,195.0	10,641.2	59.8	22,948.6	46.5
	ADF	149.9	1,016.7	2,568.8	44.5	186.4	250.5	268.5	142.0	256.6	164.8	198.2	1,467.0	50.3	5,202.4	40.2
	<b>Subtotal</b>	<b>1,057.9</b>	<b>3,614.8</b>	<b>11,370.0</b>	<b>42.9</b>	<b>1,340.2</b>	<b>1,425.5</b>	<b>1,672.9</b>	<b>2,577.7</b>	<b>1,975.9</b>	<b>1,722.8</b>	<b>1,393.2</b>	<b>12,108.2</b>	<b>58.5</b>	<b>28,151.0</b>	<b>45.2</b>
Water Supply, Sanitation, and Waste Management	OCR	481.2	1,005.5	1,566.9	7.5	-	36.0	120.4	467.9	10.0	497.0	473.5	1,604.7	9.0	4,658.3	9.4
	ADF	117.5	139.4	767.1	13.3	170.3	65.8	70.1	149.6	20.0	121.0	165.3	762.1	26.1	1,786.1	13.8
	<b>Subtotal</b>	<b>598.7</b>	<b>1,144.9</b>	<b>2,334.0</b>	<b>8.8</b>	<b>170.3</b>	<b>101.8</b>	<b>190.5</b>	<b>617.4</b>	<b>30.0</b>	<b>618.0</b>	<b>638.8</b>	<b>2,366.8</b>	<b>11.4</b>	<b>6,444.4</b>	<b>10.3</b>
Irrigation and Drainage	OCR	165.5	895.8	565.0	2.7	-	-	-	127.2	-	46.1	217.8	391.1	2.2	2,017.4	4.1
	ADF	238.4	1,037.7	859.0	14.9	15.5	-	-	37.0	52.7	47.3	10.0	162.5	5.6	2,297.7	17.7
	<b>Subtotal</b>	<b>403.9</b>	<b>1,933.5</b>	<b>1,424.0</b>	<b>5.4</b>	<b>15.5</b>	<b>-</b>	<b>-</b>	<b>164.2</b>	<b>52.7</b>	<b>93.4</b>	<b>227.8</b>	<b>553.6</b>	<b>2.7</b>	<b>4,315.1</b>	<b>6.9</b>
Infrastructure Sectors	OCR	2,770.3	8,011.4	20,764.6	100.0	2,111.8	1,799.7	2,320.0	3,601.8	2,436.7	2,706.1	2,809.3	17,785.3	100.0	49,331.6	100.0
	ADF	820.1	3,445.2	5,767.3	100.0	479.8	390.5	471.0	412.3	329.4	364.6	470.0	2,917.6	100.0	12,950.1	100.0
	<b>Total</b>	<b>3,590.4</b>	<b>11,456.6</b>	<b>26,531.9</b>	<b>100.0</b>	<b>2,591.6</b>	<b>2,190.2</b>	<b>2,791.0</b>	<b>4,014.0</b>	<b>2,766.1</b>	<b>3,070.7</b>	<b>3,279.3</b>	<b>20,702.9</b>	<b>100.0</b>	<b>62,281.7</b>	<b>100.0</b>
Other Sectors	3,067.2	10,255.3	26,341.7		2,838.9	3,111.0	2,757.0	1,903.8	2,180.5	2,176.9	3,542.0	18,510.0		58,174.3		
<b>Total Lending</b>	<b>6,657.6</b>	<b>21,711.9</b>	<b>52,873.6</b>		<b>5,430.6</b>	<b>5,301.2</b>	<b>5,547.9</b>	<b>5,917.8</b>	<b>4,946.5</b>	<b>5,247.6</b>	<b>6,821.3</b>	<b>39,212.9</b>		<b>120,456.0</b>		

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1968–1979, <sup>b</sup> Refers to 1980–1989, <sup>c</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

## Appendix 5 continued

(\$ million)	Sanitation			Telephone Mainlines & Mobile			Total Sectoral Investment Needs		
	New	Maintenance	Subtotal	New	Maintenance	Subtotal	New	Maintenance	Subtotal
East Asia and Pacific	2,608	4,202	6,810	58,196	42,908	101,104	99,905	78,986	178,891
South Asia	1,707	2,417	4,124	6,625	5,219	11,844	28,069	35,033	63,102
Central Asia <sup>a</sup>	49	178	227	1,037	978	2,015	2,716	4,108	6,824
Asia Total <sup>b</sup>	4,364	6,797	11,161	65,858	49,105	114,963	130,690	118,127	248,817
Developing Countries	8,160	13,872	22,032	104,986	82,039	187,025	233,140	231,654	464,794
World	9,143	22,005	31,148	125,287	140,154	265,441	369,095	479,623	848,718
<b>% of GDP</b>									
East Asia and Pacific	0.10	0.15	0.25	2.14	1.58	3.72	3.69	2.89	6.58
South Asia	0.19	0.26	0.45	0.72	0.57	1.29	3.06	3.82	6.88
Central Asia <sup>c</sup>	0.05	0.18	0.23	1.05	0.99	2.04	2.75	4.16	6.91
Asia Total <sup>d</sup>	0.11	0.16	0.27	1.60	1.19	2.79	3.17	2.86	6.03
Developing Countries	0.10	0.16	0.26	1.24	0.96	2.20	2.76	2.71	5.47
World	0.02	0.05	0.07	0.31	0.34	0.65	0.90	1.17	2.07

## Appendix Table 6.1 continued

Sector	Fund Type	Programmed			Total Programmed	
		2007	2008	2009	Amount	%
Energy	OCR	1,398.5	2,198.0	2,495.0	6,091.5	35.4
	ADF	145.0	362.9	116.0	623.9	22.9
	<b>Subtotal</b>	<b>1,543.5</b>	<b>2,560.9</b>	<b>2,611.0</b>	<b>6,715.4</b>	<b>33.7</b>
Transport and Communications	OCR	2,983.2	2,151.0	2,893.8	8,028.0	46.7
	ADF	440.0	278.3	237.5	955.8	35.0
	<b>Subtotal</b>	<b>3,423.2</b>	<b>2,429.3</b>	<b>3,131.3</b>	<b>8,983.8</b>	<b>45.1</b>
Water Supply, Sanitation, and Waste Management	OCR	860.0	570.0	1,044.0	2,474.0	14.4
	ADF	375.0	88.0	441.5	904.5	33.1
	<b>Subtotal</b>	<b>1,235.0</b>	<b>658.0</b>	<b>1,485.5</b>	<b>3,378.5</b>	<b>17.0</b>
Irrigation and Drainage	OCR	220.0	280.0	100.0	600.0	3.5
	ADF	85.0	50.0	110.0	245.0	9.0
	<b>Subtotal</b>	<b>305.0</b>	<b>330.0</b>	<b>210.0</b>	<b>845.0</b>	<b>4.2</b>
Infrastructure Sectors	OCR	5,461.7	5,199.0	6,532.8	17,193.5	100.0
	ADF	1,045.0	779.2	905.0	2,729.2	100.0
	<b>Total</b>	<b>6,506.7</b>	<b>5,978.2</b>	<b>7,437.8</b>	<b>19,922.7</b>	<b>100.0</b>
Other Sectors		4,728.6	3,252.0	4,389.7	12,370.3	
<b>Total Lending</b>		<b>11,235.3</b>	<b>9,230.2</b>	<b>11,827.5</b>	<b>32,293.0</b>	

**Appendix Table 6.2: ADB Public Sector Loans in Energy (\$ million), 1969–2009**

Subsector	Fund Type	Approved													
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	
Hydropower Generation	OCR	327.9	231.0	1,096.0	11.1	-	-	-	-	-	20.0	22.0	42.0	0.8	
	ADF	81.9	53.7	312.3	19.9	-	6.0	-	-	-	-	-	6.0	1.1	
	<b>Subtotal</b>	<b>409.8</b>	<b>284.7</b>	<b>1,408.3</b>	<b>12.3</b>	-	<b>6.0</b>	-	-	-	<b>20.0</b>	<b>22.0</b>	<b>48.0</b>	<b>0.8</b>	
Renewable Energy Generation	OCR	2.7	-	100.0	1.0	58.0	-	161.0	-	-	-	-	219.0	4.3	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>2.7</b>	<b>-</b>	<b>100.0</b>	<b>0.9</b>	<b>58.0</b>	<b>-</b>	<b>161.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>219.0</b>	<b>3.9</b>	
Conventional Energy Generation (other than hydropower)	OCR	259.1	1,128.5	2,319.0	23.6	-	-	30.2	-	-	-	-	30.2	0.6	
	ADF	85.2	442.3	112.2	7.1	-	-	42.4	-	-	-	-	42.4	8.1	
	<b>Subtotal</b>	<b>344.3</b>	<b>1,570.7</b>	<b>2,431.2</b>	<b>21.3</b>	-	-	<b>72.6</b>	-	-	-	-	<b>72.6</b>	<b>1.3</b>	
Energy Sector Development	OCR	139.0	762.2	3,436.6	35.0	300.0	350.0	354.0	250.0	187.4	225.0	675.0	2,341.4	45.5	
	ADF	14.6	8.3	154.7	9.8	55.0	8.0	70.0	-	-	5.0	10.0	148.0	28.1	
	<b>Subtotal</b>	<b>153.6</b>	<b>770.5</b>	<b>3,591.3</b>	<b>31.5</b>	<b>355.0</b>	<b>358.0</b>	<b>424.0</b>	<b>250.0</b>	<b>187.4</b>	<b>230.0</b>	<b>685.0</b>	<b>2,489.4</b>	<b>43.9</b>	
Transmission and Distribution	OCR	486.9	1,390.2	2,879.9	29.3	600.0	238.7	250.0	321.0	520.0	360.0	226.0	2,515.7	48.9	
	ADF	132.6	747.2	993.1	63.2	52.6	60.2	20.0	83.7	-	26.5	86.5	329.5	62.7	
	<b>Subtotal</b>	<b>619.5</b>	<b>2,137.4</b>	<b>3,873.0</b>	<b>34.0</b>	<b>652.6</b>	<b>298.9</b>	<b>270.0</b>	<b>404.7</b>	<b>520.0</b>	<b>386.5</b>	<b>312.5</b>	<b>2,845.2</b>	<b>50.1</b>	
Total Energy Sector	OCR	1,215.6	3,511.9	9,831.5	100.0	958.0	588.7	795.2	571.0	707.4	605.0	923.0	5,148.3	100.0	
	ADF	314.3	1,251.5	1,572.3	100.0	107.6	74.2	132.4	83.7	-	31.5	96.5	525.9	100.0	
	<b>Total</b>	<b>1,529.9</b>	<b>4,763.4</b>	<b>11,403.8</b>	<b>100.0</b>	<b>1,065.6</b>	<b>662.9</b>	<b>927.6</b>	<b>654.7</b>	<b>707.4</b>	<b>636.5</b>	<b>1,019.5</b>	<b>5,674.2</b>	<b>100.0</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1969–1979. <sup>b</sup> Refers to 1980–1989. <sup>c</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

**Appendix Table 6.3: ADB Public Sector Loans in Transport and Communications (\$ million), 1968–2009**

Subsector	Fund Type	Approved													
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	
Civil Aviation	OCR	62.3	-	368.0	4.2	-	-	-	-	-	-	-	-	-	
	ADF	30.0	18.3	117.0	4.6	-	-	-	-	30.0	1.5	-	31.5	2.1	
	<b>Subtotal</b>	<b>92.3</b>	<b>18.3</b>	<b>485.0</b>	<b>4.3</b>	-	-	-	-	<b>30.0</b>	<b>1.5</b>	-	<b>31.5</b>	<b>0.3</b>	
Multimodal Transport and Sector Development	OCR	-	-	-	-	-	-	-	-	30.6	-	-	30.6	0.3	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30.6</b>	<b>-</b>	<b>-</b>	<b>30.6</b>	<b>0.3</b>	
Ports, Waterways, and Shipping	OCR	290.3	478.7	925.8	10.5	19.8	-	16.8	-	-	-	-	36.6	0.3	
	ADF	27.8	41.2	42.2	1.6	-	10.0	7.0	-	19.0	-	-	36.0	2.5	
	<b>Subtotal</b>	<b>318.1</b>	<b>519.9</b>	<b>968.0</b>	<b>8.5</b>	<b>19.8</b>	<b>10.0</b>	<b>23.8</b>	<b>-</b>	<b>19.0</b>	<b>-</b>	<b>-</b>	<b>72.6</b>	<b>0.6</b>	
Railways	OCR	24.2	229.7	1,312.5	14.9	370.0	200.0	313.6	500.0	180.0	400.0	300.0	2,263.6	21.3	
	ADF	23.0	46.0	190.0	7.4	-	-	-	-	-	-	102.0	102.0	7.0	
	<b>Subtotal</b>	<b>47.2</b>	<b>275.7</b>	<b>1,502.5</b>	<b>13.2</b>	<b>370.0</b>	<b>200.0</b>	<b>313.6</b>	<b>500.0</b>	<b>180.0</b>	<b>400.0</b>	<b>402.0</b>	<b>2,365.6</b>	<b>19.5</b>	
Roads and Highways	OCR	528.8	1,466.2	5,315.8	60.4	764.0	975.0	1,074.0	1,935.7	1,508.7	1,158.0	895.0	8,310.4	78.1	
	ADF	56.4	903.8	2,148.6	83.6	186.4	231.0	261.5	142.0	207.6	163.3	96.2	1,288.0	87.8	
	<b>Subtotal</b>	<b>585.2</b>	<b>2,370.0</b>	<b>7,464.4</b>	<b>65.6</b>	<b>950.4</b>	<b>1,206.0</b>	<b>1,335.5</b>	<b>2,077.7</b>	<b>1,716.3</b>	<b>1,321.3</b>	<b>991.2</b>	<b>9,598.4</b>	<b>79.3</b>	
Telecommunications and Communications	OCR	2.5	423.6	879.1	10.0	-	-	-	-	-	-	-	-	-	
	ADF	12.7	7.4	71.0	2.8	-	9.5	-	-	-	-	-	9.5	0.6	
	<b>Subtotal</b>	<b>15.2</b>	<b>431.0</b>	<b>950.1</b>	<b>8.4</b>	<b>-</b>	<b>9.5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9.5</b>	<b>0.1</b>	
Total Transport and Communications Sector	OCR	908.0	2,598.2	8,801.2	100.0	1,153.8	1,175.0	1,404.4	2,435.7	1,719.3	1,558.0	1,195.0	10,641.2	100.0	
	ADF	149.9	1,016.7	2,568.8	100.0	186.4	250.5	268.5	142.0	256.6	164.8	198.2	1,467.0	100.0	
	<b>Total</b>	<b>1,057.9</b>	<b>3,614.8</b>	<b>11,370.0</b>	<b>100.0</b>	<b>1,340.2</b>	<b>1,425.5</b>	<b>1,672.9</b>	<b>2,577.7</b>	<b>1,975.9</b>	<b>1,722.8</b>	<b>1,393.2</b>	<b>12,108.2</b>	<b>100.0</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1968–1979. <sup>b</sup> Refers to 1980–1989. <sup>c</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

Appendix Table 6.2 continued

Subsector	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
Hydropower Generation	OCR	1,697.0	8.6	456.5	253.0	200.0	909.5	14.9
	ADF	453.9	12.4	-	-	-	-	-
	<b>Subtotal</b>	<b>2,150.8</b>	<b>9.2</b>	<b>456.5</b>	<b>253.0</b>	<b>200.0</b>	<b>909.5</b>	<b>13.5</b>
Renewable Energy Generation	OCR	321.7	1.6	55.0	230.0	20.0	305.0	5.0
	ADF	-	-	10.0	-	-	10.0	1.6
	<b>Subtotal</b>	<b>321.7</b>	<b>1.4</b>	<b>65.0</b>	<b>230.0</b>	<b>20.0</b>	<b>315.0</b>	<b>4.7</b>
Conventional Energy Generation (other than hydropower)	OCR	3,736.8	19.0	-	250.0	-	250.0	4.1
	ADF	682.1	18.6	-	60.0	-	60.0	9.6
	<b>Subtotal</b>	<b>4,418.8</b>	<b>18.9</b>	<b>-</b>	<b>310.0</b>	<b>-</b>	<b>310.0</b>	<b>4.6</b>
Energy Sector Development	OCR	6,679.2	33.9	887.0	1,325.0	2,025.0	4,237.0	69.6
	ADF	325.6	8.9	105.0	140.0	50.0	295.0	47.3
	<b>Subtotal</b>	<b>7,004.8</b>	<b>30.0</b>	<b>992.0</b>	<b>1,465.0</b>	<b>2,075.0</b>	<b>4,532.0</b>	<b>67.5</b>
Transmission and Distribution	OCR	7,272.6	36.9	-	140.0	250.0	390.0	6.4
	ADF	2,202.4	60.1	30.0	162.9	66.0	258.9	41.5
	<b>Subtotal</b>	<b>9,475.1</b>	<b>40.5</b>	<b>30.0</b>	<b>302.9</b>	<b>316.0</b>	<b>648.9</b>	<b>9.7</b>
Total Energy Sector	OCR	19,707.3	100.0	1,398.5	2,198.0	2,495.0	6,091.5	100.0
	ADF	3,663.9	100.0	145.0	362.9	116.0	623.9	100.0
	<b>Total</b>	<b>23,371.3</b>	<b>100.0</b>	<b>1,543.5</b>	<b>2,560.9</b>	<b>2,611.0</b>	<b>6,715.4</b>	<b>100.0</b>

Appendix Table 6.3 continued

Subsector	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
Civil Aviation	OCR	430.3	1.9	-	-	-	-	-
	ADF	196.7	3.8	-	-	32.5	32.5	3.4
	<b>Subtotal</b>	<b>627.0</b>	<b>2.2</b>	<b>-</b>	<b>-</b>	<b>32.5</b>	<b>32.5</b>	<b>0.4</b>
Multimodal Transport and Sector Development	OCR	30.6	0.1	-	-	640.0	640.0	8.0
	ADF	-	-	13.0	-	30.0	43.0	4.5
	<b>Subtotal</b>	<b>30.6</b>	<b>0.1</b>	<b>13.0</b>	<b>-</b>	<b>670.0</b>	<b>683.0</b>	<b>7.6</b>
Ports, Waterways, and Shipping	OCR	1,731.4	7.5	108.0	-	-	108.0	1.3
	ADF	147.2	2.8	15.0	-	-	15.0	1.6
	<b>Subtotal</b>	<b>1,878.6</b>	<b>6.7</b>	<b>123.0</b>	<b>-</b>	<b>-</b>	<b>123.0</b>	<b>1.4</b>
Railways	OCR	3,830.0	16.7	500.0	340.0	500.0	1,340.0	16.7
	ADF	361.0	6.9	30.0	-	-	30.0	3.1
	<b>Subtotal</b>	<b>4,191.0</b>	<b>14.9</b>	<b>530.0</b>	<b>340.0</b>	<b>500.0</b>	<b>1,370.0</b>	<b>15.2</b>
Roads and Highways	OCR	15,621.2	68.1	2,375.2	1,791.0	1,753.8	5,920.0	73.7
	ADF	4,396.8	84.5	357.0	273.3	175.0	805.3	84.3
	<b>Subtotal</b>	<b>20,018.0</b>	<b>71.1</b>	<b>2,732.2</b>	<b>2,064.3</b>	<b>1,928.8</b>	<b>6,725.3</b>	<b>74.9</b>
Telecommunications and Communications	OCR	1,305.2	5.7	-	20.0	-	20.0	0.2
	ADF	100.6	1.9	25.0	5.0	-	30.0	3.1
	<b>Subtotal</b>	<b>1,405.8</b>	<b>5.0</b>	<b>25.0</b>	<b>25.0</b>	<b>-</b>	<b>50.0</b>	<b>0.6</b>
Total Transport and Communications Sector	OCR	22,948.6	100.0	2,983.2	2,151.0	2,893.8	8,028.0	100.0
	ADF	5,202.4	100.0	440.0	278.3	237.5	955.8	100.0
	<b>Total</b>	<b>28,151.0</b>	<b>100.0</b>	<b>3,423.2</b>	<b>2,429.3</b>	<b>3,131.3</b>	<b>8,983.8</b>	<b>100.0</b>

**Appendix Table 6.4:** ADB Public Sector Loans in Water Supply, Sanitation, and Waste Management (\$ million), 1968–2009

Subsector	Fund Type	Approved													
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	
Integrated	OCR	-	-	102.0	6.5	-	-	-	200.0	-	441.2	260.0	901.2	56.2	
	ADF	-	-	68.0	8.9	-	-	20.1	44.0	-	96.0	77.8	237.9	31.2	
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>170.0</b>	<b>7.3</b>	<b>-</b>	<b>-</b>	<b>20.1</b>	<b>244.0</b>	<b>-</b>	<b>537.2</b>	<b>337.8</b>	<b>1,139.1</b>	<b>48.1</b>	
Waste Management	OCR	22.1	271.4	538.4	34.4	-	-	82.4	83.0	-	55.8	200.0	421.2	26.2	
	ADF	-	54.3	70.0	9.1	-	2.2	-	-	-	-	-	2.2	0.3	
	<b>Subtotal</b>	<b>22.1</b>	<b>325.7</b>	<b>608.4</b>	<b>26.1</b>	<b>-</b>	<b>2.2</b>	<b>82.4</b>	<b>83.0</b>	<b>-</b>	<b>55.8</b>	<b>200.0</b>	<b>423.4</b>	<b>17.9</b>	
Water Supply and Sanitation	OCR	459.1	734.1	926.5	59.1	-	36.0	38.0	184.9	10.0	-	13.5	282.4	17.6	
	ADF	117.5	85.1	629.1	82.0	170.3	63.6	50.0	105.6	20.0	25.0	87.5	522.0	68.5	
	<b>Subtotal</b>	<b>576.6</b>	<b>819.2</b>	<b>1,555.6</b>	<b>66.6</b>	<b>170.3</b>	<b>99.6</b>	<b>88.0</b>	<b>290.4</b>	<b>30.0</b>	<b>25.0</b>	<b>101.0</b>	<b>804.4</b>	<b>34.0</b>	
Total Water Supply, Sanitation, and Waste Management Sector	OCR	481.2	1,005.5	1,566.9	100.0	-	36.0	120.4	467.9	10.0	497.0	473.5	1,604.7	100.0	
	ADF	117.5	139.4	767.1	100.0	170.3	65.8	70.1	149.6	20.0	121.0	165.3	762.1	100.0	
	<b>Total</b>	<b>598.7</b>	<b>1,144.9</b>	<b>2,334.0</b>	<b>100.0</b>	<b>170.3</b>	<b>101.8</b>	<b>190.5</b>	<b>617.4</b>	<b>30.0</b>	<b>618.0</b>	<b>638.8</b>	<b>2,366.8</b>	<b>100.0</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1968–1979, <sup>b</sup> Refers to 1980–1989, <sup>c</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

**Appendix Table 6.5:** ADB Public Sector Loans in Irrigation and Drainage (\$ million), 1969–2009

Subsector	Fund Type	Approved													
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	
Irrigation and Drainage	OCR	165.5	895.8	565.0	100.0	-	-	-	127.2	-	46.1	217.8	391.1	100.0	
	ADF	238.4	1,037.7	859.0	100.0	15.5	-	-	37.0	52.7	47.3	10.0	162.5	100.0	
	<b>Subtotal</b>	<b>403.9</b>	<b>1,933.5</b>	<b>1,424.0</b>	<b>100.0</b>	<b>15.5</b>	<b>-</b>	<b>-</b>	<b>164.2</b>	<b>52.7</b>	<b>93.4</b>	<b>227.8</b>	<b>553.6</b>	<b>100.0</b>	
Total Irrigation and Drainage	OCR	165.5	895.8	565.0	100.0	-	-	-	127.2	-	46.1	217.8	391.1	100.0	
	ADF	238.4	1,037.7	859.0	100.0	15.5	-	-	37.0	52.7	47.3	10.0	162.5	100.0	
	<b>Total</b>	<b>403.9</b>	<b>1,933.5</b>	<b>1,424.0</b>	<b>100.0</b>	<b>15.5</b>	<b>-</b>	<b>-</b>	<b>164.2</b>	<b>52.7</b>	<b>93.4</b>	<b>227.8</b>	<b>553.6</b>	<b>100.0</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1969–1979, <sup>b</sup> Refers to 1980–1989, <sup>c</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

Appendix Table 6.4 continued

Subsector	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
Integrated	OCR	1,003.2	21.5	450.0	290.0	635.0	1,375.0	55.6
	ADF	306.0	17.1	165.0	35.0	306.5	506.5	56.0
	<b>Subtotal</b>	<b>1,309.2</b>	<b>20.3</b>	<b>615.0</b>	<b>325.0</b>	<b>941.5</b>	<b>1,881.5</b>	<b>55.7</b>
Waste Management	OCR	1,253.1	26.9	150.0	-	-	150.0	6.1
	ADF	126.5	7.1	-	-	-	-	-
	<b>Subtotal</b>	<b>1,379.6</b>	<b>21.4</b>	<b>150.0</b>	<b>-</b>	<b>-</b>	<b>150.0</b>	<b>4.4</b>
Water Supply and Sanitation	OCR	2,402.0	51.6	260.0	280.0	409.0	949.0	38.4
	ADF	1,353.7	75.8	210.0	53.0	135.0	398.0	44.0
	<b>Subtotal</b>	<b>3,755.7</b>	<b>58.3</b>	<b>470.0</b>	<b>333.0</b>	<b>544.0</b>	<b>1,347.0</b>	<b>39.9</b>
Total Water Supply, Sanitation, and Waste Management Sector	OCR	4,658.3	100.0	860.0	570.0	1,044.0	2,474.0	100.0
	ADF	1,786.1	100.0	375.0	88.0	441.5	904.5	100.0
	<b>Total</b>	<b>6,444.4</b>	<b>100.0</b>	<b>1,235.0</b>	<b>658.0</b>	<b>1,485.5</b>	<b>3,378.5</b>	<b>100.0</b>

Appendix Table 6.5 continued

Subsector	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
Irrigation and Drainage	OCR	2,017.4	100.0	220.0	280.0	100.0	600.0	100.0
	ADF	2,297.7	100.0	85.0	50.0	110.0	245.0	100.0
	<b>Subtotal</b>	<b>4,315.1</b>	<b>100.0</b>	<b>305.0</b>	<b>330.0</b>	<b>210.0</b>	<b>845.0</b>	<b>100.0</b>
Total Irrigation and Drainage	OCR	2,017.4	100.0	220.0	280.0	100.0	600.0	100.0
	ADF	2,297.7	100.0	85.0	50.0	110.0	245.0	100.0
	<b>Total</b>	<b>4,315.1</b>	<b>100.0</b>	<b>305.0</b>	<b>330.0</b>	<b>210.0</b>	<b>845.0</b>	<b>100.0</b>

APPENDIX 7: ADB PRIVATE SECTOR OPERATIONAL ACTIVITIES

Appendix Table 7.1: ADB Private Sector Operational Activities in Infrastructure by Sector (\$ million), 1983–2008

Sector	Fund Type	Approved										Total Approved		Programmed		Total Programmed			
		1980s <sup>a</sup>	1990s <sup>b</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	Amount	%	2007	2008	Amount	%
Energy	Equity <sup>c</sup>	1.1	28.3	51.1	-	-	-	9.7	-	27.6	37.3	65.1	66.7	58.6	46.8	-	46.8	100.0	
	OCR	10.0	274.8	62.2	76.0	-	90.0	102.0	437.3	350.0	1,055.3	86.1	1,340.1	78.7	803.5	50.0	853.5	91.9	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>11.1</b>	<b>303.1</b>	<b>60.9</b>	<b>76.0</b>	<b>-</b>	<b>90.0</b>	<b>102.0</b>	<b>9.7</b>	<b>437.3</b>	<b>377.6</b>	<b>1,092.6</b>	<b>85.1</b>	<b>1,406.8</b>	<b>77.5</b>	<b>850.3</b>	<b>50.0</b>	<b>900.3</b>	<b>92.3</b>
Transport and Communications	Equity <sup>c</sup>	-	27.1	48.9	-	-	-	-	-	-	-	-	27.1	23.8	-	-	-	-	
	OCR	24.0	140.7	31.8	45.0	-	-	55.0	-	40.0	140.0	11.4	304.7	17.9	75.0	-	75.0	8.1	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>24.0</b>	<b>167.8</b>	<b>33.7</b>	<b>45.0</b>	<b>-</b>	<b>-</b>	<b>55.0</b>	<b>-</b>	<b>40.0</b>	<b>140.0</b>	<b>10.9</b>	<b>331.8</b>	<b>18.3</b>	<b>75.0</b>	<b>-</b>	<b>75.0</b>	<b>7.7</b>	
Water Supply, Sanitation, and Waste Management	Equity <sup>c</sup>	-	-	-	-	-	-	-	20.0	-	-	20.0	34.9	17.6	-	-	-	-	
	OCR	-	26.5	6.0	31.0	-	-	-	-	-	31.0	2.5	57.5	3.4	-	-	-	-	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>-</b>	<b>26.5</b>	<b>5.3</b>	<b>31.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20.0</b>	<b>-</b>	<b>51.0</b>	<b>4.0</b>	<b>77.5</b>	<b>4.3</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Irrigation and Drainage	Equity <sup>c</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Infrastructure Sectors	Equity <sup>c</sup>	1.1	55.4	100.0	-	-	-	9.7	20.0	27.6	57.3	100.0	113.8	100.0	46.8	-	46.8	100.0	
	OCR	34.0	442.0	100.0	152.0	-	90.0	102.0	55.0	437.3	390.0	1,226.3	1,702.3	100.0	878.5	50.0	928.5	100.0	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>35.1</b>	<b>497.4</b>	<b>100.0</b>	<b>152.0</b>	<b>-</b>	<b>90.0</b>	<b>102.0</b>	<b>64.7</b>	<b>457.3</b>	<b>417.6</b>	<b>1,283.6</b>	<b>1,816.1</b>	<b>100.0</b>	<b>925.3</b>	<b>50.0</b>	<b>975.3</b>	<b>100.0</b>	
Other Sectors	289.2	826.7	-	77.7	67.9	55.5	100.7	192.2	267.2	417.9	1,179.0	2,294.9	-	453.5	-	453.5	-		
<b>Total Private Sector Operational Activities</b>	<b>324.3</b>	<b>1,324.1</b>	<b>-</b>	<b>229.7</b>	<b>67.9</b>	<b>145.5</b>	<b>202.7</b>	<b>256.9</b>	<b>724.5</b>	<b>835.5</b>	<b>2,462.6</b>	<b>4,110.9</b>	<b>-</b>	<b>1,378.8</b>	<b>50.0</b>	<b>1,428.8</b>	<b>-</b>		

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1983–1989. <sup>b</sup> Refers to 1990–1999. <sup>c</sup> Refers to the sum of Lines of Equity and Investment.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 21 December 2006.

**Appendix Table 7.2: ADB Private Sector Operational Activities in Energy (\$ million), 1989–2008**

Subsector	Fund Type	Approved										Total Approved		Programmed		Total Programmed			
		1989	1990s <sup>a</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%	Amount	%	2007	2008	Amount	%
Hydropower Generation	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	40.8	-	-	40.8	87.2
	OCR	-	36.5	13.3	-	-	-	-	87.3	-	-	87.3	8.3	123.8	9.2	100.0	50.0	150.0	17.6
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	<b>36.5</b>	<b>12.0</b>	-	-	-	-	<b>87.3</b>	-	-	<b>87.3</b>	<b>8.0</b>	<b>123.8</b>	<b>8.8</b>	<b>140.8</b>	<b>50.0</b>	<b>190.8</b>	<b>21.2</b>
Renewable Energy Generation	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conventional Energy Generation (other than hydropower)	Equity <sup>b</sup>	1.1	28.3	100.0	-	-	-	9.7	-	-	-	9.7	25.9	39.1	58.6	-	-	-	-
	OCR	10.0	220.5	80.2	76.0	-	90.0	40.0	350.0	225.0	781.0	74.0	1,011.5	75.5	400.0	-	400.0	46.9	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>11.1</b>	<b>248.8</b>	<b>82.1</b>	<b>76.0</b>	-	<b>90.0</b>	<b>40.0</b>	<b>9.7</b>	<b>350.0</b>	<b>225.0</b>	<b>790.7</b>	<b>72.4</b>	<b>1,050.6</b>	<b>74.7</b>	<b>400.0</b>	-	<b>400.0</b>	<b>44.4</b>
Energy Sector Development	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transmission and Distribution	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	27.6	-	27.6	74.1	27.6	41.4	6.0	-	6.0	12.8
	OCR	-	17.8	6.5	-	-	-	62.0	-	125.0	187.0	17.7	204.8	15.3	303.5	-	303.5	35.6	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	-	<b>17.8</b>	<b>5.9</b>	-	-	-	<b>62.0</b>	-	<b>152.6</b>	<b>214.6</b>	<b>19.6</b>	<b>232.4</b>	<b>16.5</b>	<b>309.5</b>	-	<b>309.5</b>	<b>34.4</b>	
Total Energy Sector	Equity <sup>b</sup>	1.1	28.3	100.0	-	-	-	9.7	-	27.6	-	27.6	74.1	66.7	100.0	46.8	-	46.8	100.0
	OCR	10.0	274.8	100.0	76.0	-	90.0	102.0	437.3	350.0	1,055.3	100.0	1,340.1	100.0	803.5	50.0	853.5	100.0	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>11.1</b>	<b>303.1</b>	<b>100.0</b>	<b>76.0</b>	-	<b>90.0</b>	<b>102.0</b>	<b>9.7</b>	<b>437.3</b>	<b>377.6</b>	<b>1,092.6</b>	<b>100.0</b>	<b>1,406.8</b>	<b>100.0</b>	<b>850.3</b>	<b>50.0</b>	<b>900.3</b>	<b>100.0</b>

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1990–1998. <sup>b</sup> Refers to the sum of Lines of Equity and Investment.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 21 December 2006.

**Appendix Table 7.3:** ADB Private Sector Operational Activities in Transport and Communications (\$ million), 1988–2008

Subsector	Fund Type	Approved										Total Approved		Programmed		Total Programmed			
		1988	1990s <sup>a</sup>	%	2000	2001	2002	2003	2004	2005	2006	2000-2006	%	Amount	%	2007	2008	Amount	%
Civil Aviation	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OCR	-	40.0	28.4	-	-	-	-	-	-	-	-	-	40.0	13.1	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	<b>40.0</b>	<b>23.8</b>	-	-	-	-	-	-	-	-	-	<b>40.0</b>	<b>12.1</b>	-	-	-	-
Multimodal Transport and Sector Development	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ports, Waterways, and Shipping	Equity <sup>b</sup>	-	8.4	31.0	-	-	-	-	-	-	-	-	-	8.4	31.0	-	-	-	-
	OCR	-	54.0	38.4	-	-	-	-	-	-	-	-	-	54.0	17.7	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	<b>62.4</b>	<b>37.2</b>	-	-	-	-	-	-	-	-	-	<b>62.4</b>	<b>18.8</b>	-	-	-	-
Railways	Equity <sup>b</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roads and Highways	Equity <sup>b</sup>	-	17.1	63.1	-	-	-	-	-	-	-	-	-	17.1	63.1	-	-	-	-
	OCR	-	30.0	21.3	45.0	-	-	-	-	-	-	-	45.0	32.1	24.6	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	-	<b>47.1</b>	<b>28.1</b>	<b>45.0</b>	-	-	-	-	-	-	-	-	<b>45.0</b>	<b>32.1</b>	<b>27.8</b>	-	-	-
Telecommunications and Communications	Equity <sup>b</sup>	-	1.6	5.9	-	-	-	-	-	-	-	-	-	1.6	5.9	-	-	-	-
	OCR	24.0	16.7	11.9	-	-	-	55.0	-	40.0	95.0	67.9	135.7	44.5	75.0	75.0	75.0	100.0	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	<b>24.0</b>	<b>18.3</b>	<b>10.9</b>	-	-	-	<b>55.0</b>	-	<b>40.0</b>	<b>95.0</b>	<b>67.9</b>	<b>137.3</b>	<b>41.4</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>100.0</b>	
Total Transport and Communications Sector	Equity <sup>b</sup>	-	27.1	100.0	-	-	-	-	-	-	-	-	-	27.1	100.0	-	-	-	-
	OCR	24.0	140.7	100.0	45.0	-	-	55.0	-	40.0	140.0	100.0	304.7	100.0	75.0	75.0	75.0	100.0	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>24.0</b>	<b>167.8</b>	<b>100.0</b>	<b>45.0</b>	-	-	<b>55.0</b>	-	<b>40.0</b>	<b>140.0</b>	<b>100.0</b>	<b>331.8</b>	<b>100.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>100.0</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

<sup>a</sup> Refers to 1990–1999. <sup>b</sup> Refers to the sum of Lines of Equity and Investment.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 21 December 2006.

**Appendix Table 7.4:** ADB Private Sector Operational Activities in Water Supply, Sanitation, and Waste Management (\$ million), 1999–2005

Subsector	Fund Type	Approved							Total Approved					
		1999	%	2000	2001	2002	2003	2004	2005	2000-2005	%	Amount	%	
Integrated	Equity <sup>a</sup>	-	-	-	-	-	-	-	-	-	-	-	-	
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Waste Management	Equity <sup>a</sup>	-	-	-	-	-	-	-	-	-	-	-	-	
	OCR	-	-	-	-	-	-	-	-	-	-	-	-	
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	
	<b>Subtotal</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Water Supply and Sanitation	Equity <sup>a</sup>	-	-	-	-	-	-	-	20.0	-	20.0	100.0	20.0	100.0
	OCR	26.5	100.0	31.0	-	-	-	-	-	31.0	100.0	100.0	57.5	100.0
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>26.5</b>	<b>100.0</b>	<b>31.0</b>	-	-	-	-	<b>20.0</b>	<b>51.0</b>	<b>100.0</b>	<b>100.0</b>	<b>77.5</b>	<b>100.0</b>
Total Water Supply, Sanitation, and Waste Management Sector	Equity <sup>a</sup>	-	-	-	-	-	-	-	20.0	-	20.0	100.0	20.0	100.0
	OCR	26.5	100.0	31.0	-	-	-	-	-	31.0	100.0	100.0	57.5	100.0
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>26.5</b>	<b>100.0</b>	<b>31.0</b>	-	-	-	-	<b>20.0</b>	<b>51.0</b>	<b>100.0</b>	<b>100.0</b>	<b>77.5</b>	<b>100.0</b>

- = Magnitude equals zero.  
 ADF = Asian Development Fund; OCR = ordinary capital resources.  
<sup>a</sup> Refers to the sum of Lines of Equity and Investment.  
 Source: ADB internal database on Loan, TA, Grant, and Equity Approvals.

## APPENDIX 8: ADB REGIONAL ACTIVITIES

**Appendix Table 8.1:** ADB Regional Technical Assistance for Infrastructure by Sector (\$ million), 1967–2009

Sector	Fund Type	Approved													Total Approved	
		1970s <sup>a</sup>	1980s <sup>b</sup>	1990s <sup>c</sup>	%	2000	2001	2002	2003	2004	2005	2006 <sup>d</sup>	2000–2006 <sup>d</sup>	%	Amount	%
Energy	Bank Amount	-	4.6	3.4	35.5	0.2	0.5	1.9	2.4	-	0.7	4.4	10.0	44.0	18.0	44.0
	JSF	-	0.1	1.9	15.1	0.9	-	-	-	-	-	0.8	1.7	19.1	3.6	17.0
	Others	-	-	2.1	46.4	0.7	4.5	-	0.6	-	-	1.7	7.6	39.5	9.7	37.4
	<b>Subtotal</b>	-	<b>4.7</b>	<b>7.3</b>	<b>27.9</b>	<b>1.8</b>	<b>5.0</b>	<b>1.9</b>	<b>3.0</b>	<b>-</b>	<b>0.7</b>	<b>6.9</b>	<b>19.2</b>	<b>37.9</b>	<b>31.3</b>	<b>35.5</b>
Transport and Communications	Bank Amount	1.0	1.2	3.8	40.4	0.8	0.3	1.5	1.4	2.1	0.5	4.9	11.4	50.2	17.4	42.5
	JSF	-	-	9.8	80.0	0.9	1.0	-	0.6	0.4	2.3	1.5	6.7	75.3	16.5	77.1
	Others	2.2	-	2.4	53.6	-	-	-	-	0.4	1.4	2.1	3.8	20.1	8.4	32.7
	<b>Subtotal</b>	<b>3.2</b>	<b>1.2</b>	<b>16.0</b>	<b>61.1</b>	<b>1.7</b>	<b>1.3</b>	<b>1.5</b>	<b>2.0</b>	<b>3.0</b>	<b>4.1</b>	<b>8.4</b>	<b>21.9</b>	<b>43.2</b>	<b>42.3</b>	<b>48.0</b>
Water Supply, Sanitation and Waste Management	Bank Amount	0.0	0.6	2.3	24.1	-	-	-	-	-	0.2	1.1	1.3	5.7	4.2	10.3
	JSF	-	0.2	0.6	4.9	0.5	-	-	-	-	-	-	0.5	5.6	1.3	6.0
	Others	-	-	-	-	-	-	4.0	-	0.6	0.2	3.0	7.8	40.4	7.8	30.0
	<b>Subtotal</b>	<b>0.0</b>	<b>0.8</b>	<b>2.9</b>	<b>11.0</b>	<b>0.5</b>	<b>-</b>	<b>4.0</b>	<b>-</b>	<b>0.6</b>	<b>0.4</b>	<b>4.1</b>	<b>9.6</b>	<b>18.8</b>	<b>13.2</b>	<b>15.0</b>
Irrigation and Drainage	Bank Amount	0.1	1.2	-	-	-	-	-	-	-	-	-	-	-	1.3	3.3
	JSF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>0.1</b>	<b>1.2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.3</b>	<b>1.5</b>
Infrastructure Sectors	Bank Amount	1.1	7.6	9.5	100.0	0.9	0.8	3.4	3.7	2.1	1.3	10.4	22.6	100.0	40.9	100.0
	JSF	-	0.3	12.2	100.0	2.3	1.0	-	0.6	0.4	2.3	2.3	8.9	100.0	21.4	100.0
	Others	2.2	-	4.5	100.0	0.7	4.5	4.0	0.6	1.0	1.6	6.8	19.2	100.0	25.9	100.0
	<b>Total</b>	<b>3.3</b>	<b>7.9</b>	<b>26.2</b>	<b>100.0</b>	<b>4.0</b>	<b>6.3</b>	<b>7.4</b>	<b>4.9</b>	<b>3.5</b>	<b>5.2</b>	<b>19.5</b>	<b>50.7</b>	<b>100.0</b>	<b>88.2</b>	<b>100.0</b>
Other Sectors	5.9	50.0	223.1		30.9	23.2	33.2	46.0	38.8	64.9	85.1	322.0		601.0		
<b>Total RETAs</b>	<b>9.3</b>	<b>57.9</b>	<b>249.3</b>		<b>34.8</b>	<b>29.5</b>	<b>40.6</b>	<b>50.9</b>	<b>42.3</b>	<b>70.0</b>	<b>104.6</b>	<b>372.7</b>		<b>689.2</b>		

- = Magnitude equals zero.

JSF = Japan Special Fund; PP-RETA = project preparatory regional technical assistance; PPTA = project preparatory technical assistance; RETA = regional technical assistance.

<sup>a</sup> Refers to 1967–1978. <sup>b</sup> Refers to 1980–1989. <sup>c</sup> Refers to 1990–1999. <sup>d</sup> Includes PPTAs amounting to \$2.4 million.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; Management Information Tool (MIT) as of October 2006; and Project Processing Information System (PPIS) as of 31 December 2006.

**Appendix Table 8.2:** ADB Regional Loans in Infrastructure by Regional Grouping (\$ million), 1994–2009

Regional Group <sup>a</sup>	Fund Type	Approved																
		1994	1995	1996	1997	1998	1999	1994–1999	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%
CAREC <sup>b</sup>	OCR	-	-	-	-	-	-	-	-	52.0	-	70.0	-	-	49.0	-	171.0	20.6
	ADF	-	-	-	-	-	-	-	-	5.0	-	20.0	15.0	69.9	32.5	134.7	277.1	48.0
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>57.0</b>	<b>-</b>	<b>90.0</b>	<b>15.0</b>	<b>69.9</b>	<b>81.5</b>	<b>134.7</b>	<b>448.1</b>	<b>31.8</b>
GMS <sup>c</sup>	OCR	150.0	-	-	-	-	250.0	400.0	100.0	-	-	-	250.0	180.0	20.0	-	450.0	54.2
	ADF	60.0	48.0	67.0	-	140.0	57.0	372.0	100.0	-	-	80.0	44.3	-	6.0	102.0	232.3	40.3
	<b>Subtotal</b>	<b>210.0</b>	<b>48.0</b>	<b>67.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>772.0</b>	<b>100.0</b>	<b>-</b>	<b>-</b>	<b>80.0</b>	<b>294.3</b>	<b>180.0</b>	<b>26.0</b>	<b>102.0</b>	<b>682.3</b>	<b>48.5</b>
SASEC/ SAARC <sup>d</sup>	OCR	-	-	-	-	-	-	-	-	-	210.0	-	-	-	-	-	210.0	25.3
	ADF	-	-	-	-	-	-	-	-	-	46.0	-	-	20.0	-	-	66.0	11.4
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>256.0</b>	<b>-</b>	<b>-</b>	<b>20.0</b>	<b>-</b>	<b>-</b>	<b>276.0</b>	<b>19.6</b>
Pacific <sup>e</sup>	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	1.5	0.3
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.5</b>	<b>-</b>	<b>1.5</b>	<b>0.1</b>
Others <sup>f</sup>	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Infrastructure Sectors	OCR	150.0	-	-	-	-	250.0	400.0	100.0	52.0	210.0	70.0	250.0	180.0	69.0	-	831.0	100.0
	ADF	60.0	48.0	67.0	-	140.0	57.0	372.0	100.0	5.0	46.0	100.0	59.3	89.9	40.0	236.7	576.9	100.0
	<b>Total</b>	<b>210.0</b>	<b>48.0</b>	<b>67.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>772.0</b>	<b>100.0</b>	<b>57.0</b>	<b>256.0</b>	<b>170.0</b>	<b>309.3</b>	<b>269.9</b>	<b>109.0</b>	<b>236.7</b>	<b>1,407.9</b>	<b>100.0</b>
Other Sectors	-	-	-	-	-	-	-	-	-	-	-	60.0	-	18.2	-	-	78.2	
<b>Total Lending</b>	<b>210.0</b>	<b>48.0</b>	<b>67.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>772.0</b>	<b>100.0</b>	<b>57.0</b>	<b>256.0</b>	<b>230.0</b>	<b>309.3</b>	<b>288.1</b>	<b>109.0</b>	<b>236.7</b>	<b>1,486.1</b>		

- = Magnitude equals zero.

ADF = Asian Development Fund, CAREC = Central Asia Regional Economic Cooperation, GMS = Greater Mekong Subregion, OCR = ordinary capital resources, SAARC = South Asian Association for Regional Cooperation, SASEC = South Asia Subregional Economic Cooperation.

<sup>a</sup> The regional group was assigned to projects intended for the group or loans with regional component to a country that belongs to the group. <sup>b</sup> CAREC includes Afghanistan, Azerbaijan, People's Republic of China (focusing on Xinjiang Uygur Autonomous Region), Kazakhstan, Kyrgyz Republic, Mongolia, Tajikistan, and Uzbekistan. <sup>c</sup> GMS includes Cambodia, People's Republic of China, Lao PDR, Myanmar, Thailand, and Viet Nam. <sup>d</sup> SASEC includes Bangladesh, Bhutan, India, and Nepal. SAARC includes Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka. <sup>e</sup> Pacific includes Cook Islands, Fiji Islands, Kiribati, Marshall Islands, Federated States of Micronesia, Nauru, Palau, Papua New Guinea, Samoa, Solomon Islands, Timor-Leste, Tonga, Tuvalu, and Vanuatu. <sup>f</sup> Includes a 2008 project for Tajikistan, Afghanistan, and Pakistan for \$100 million from the ADF, and a 2009 project for Indonesia, Malaysia, and Papua New Guinea for \$100 million from the OCR.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

Appendix Table 8.1 continued

Sector	Fund Type	Programmed						Total Programmed	
		2007		2008		2009		Amount	%
		RETA	PP-RETA	RETA	PP-RETA	RETA	PP-RETA		
Energy	Bank Amount	4.8	0.4	0.8	2.0	0.8	-	8.7	54.4
	JSF	-	-	-	-	-	-	-	-
	Others	-	0.5	-	0.8	-	-	1.3	2.5
	<b>Subtotal</b>	<b>4.8</b>	<b>0.9</b>	<b>0.8</b>	<b>2.8</b>	<b>0.8</b>	<b>-</b>	<b>10.0</b>	<b>14.2</b>
Transport and Communications	Bank Amount	2.3	1.1	0.6	1.0	0.7	1.0	6.7	41.9
	JSF	1.9	0.7	-	-	0.8	-	3.4	100.0
	Others	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>4.2</b>	<b>1.8</b>	<b>0.6</b>	<b>1.0</b>	<b>1.5</b>	<b>1.0</b>	<b>10.1</b>	<b>14.2</b>
Water Supply, Sanitation and Waste Management	Bank Amount	-	-	-	0.6	-	-	0.6	3.8
	JSF	-	-	-	-	-	-	-	-
	Others	20.0	-	20.0	-	10.0	-	50.0	97.5
	<b>Subtotal</b>	<b>20.0</b>	<b>-</b>	<b>20.0</b>	<b>0.6</b>	<b>10.0</b>	<b>-</b>	<b>50.6</b>	<b>71.6</b>
Irrigation and Drainage	Bank Amount	-	-	-	-	-	-	-	-
	JSF	-	-	-	-	-	-	-	-
	Others	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Infrastructure Sectors	Bank Amount	7.1	1.5	1.4	3.6	1.5	1.0	16.0	100.0
	JSF	1.9	0.7	-	-	0.8	-	3.4	100.0
	Others	20.0	0.5	20.0	0.8	10.0	-	51.3	100.0
	<b>Total</b>	<b>29.0</b>	<b>2.7</b>	<b>21.4</b>	<b>4.4</b>	<b>12.3</b>	<b>1.0</b>	<b>70.7</b>	<b>100.0</b>
Other Sectors		43.0		26.8	1.3	8.1	0.8	79.9	
<b>Total RETAs</b>		<b>71.9</b>	<b>2.7</b>	<b>48.1</b>	<b>5.7</b>	<b>20.4</b>	<b>1.8</b>	<b>150.5</b>	

Appendix Table 8.2 continued

Regional Group <sup>a</sup>	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
CAREC <sup>b</sup>	OCR	171.0	13.9	275.0	120.0	-	395.0	14.0
	ADF	277.1	29.2	87.0	112.0	75.0	274.0	32.5
	<b>Subtotal</b>	<b>448.1</b>	<b>20.6</b>	<b>362.0</b>	<b>232.0</b>	<b>75.0</b>	<b>669.0</b>	<b>18.3</b>
GMS <sup>c</sup>	OCR	850.0	69.0	650.0	320.0	-	970.0	34.4
	ADF	604.3	63.7	95.0	150.0	130.0	375.0	44.4
	<b>Subtotal</b>	<b>1,454.3</b>	<b>66.7</b>	<b>745.0</b>	<b>470.0</b>	<b>130.0</b>	<b>1,345.0</b>	<b>36.7</b>
SASEC/ SAARC <sup>d</sup>	OCR	210.0	17.1	-	420.0	935.0	1,355.0	48.0
	ADF	66.0	7.0	25.0	40.0	30.0	95.0	11.3
	<b>Subtotal</b>	<b>276.0</b>	<b>12.7</b>	<b>25.0</b>	<b>460.0</b>	<b>965.0</b>	<b>1,450.0</b>	<b>39.6</b>
Pacific <sup>e</sup>	OCR	-	-	-	-	-	-	-
	ADF	1.5	0.2	-	-	-	-	-
	<b>Subtotal</b>	<b>1.5</b>	<b>0.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Others <sup>f</sup>	OCR	-	-	-	-	100.0	100.0	3.5
	ADF	-	-	-	100.0	-	100.0	11.8
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100.0</b>	<b>100.0</b>	<b>200.0</b>	<b>5.5</b>
Infrastructure Sectors	OCR	1,231.0	100.0	925.0	860.0	1,035.0	2,820.0	100.0
	ADF	948.9	100.0	207.0	402.0	235.0	844.0	100.0
	<b>Total</b>	<b>2,179.9</b>	<b>100.0</b>	<b>1,132.0</b>	<b>1,262.0</b>	<b>1,270.0</b>	<b>3,664.0</b>	<b>100.0</b>
Other Sectors		78.2		-	180.0	190.0	370.0	
<b>Total Lending</b>		<b>2,258.1</b>		<b>1,132.0</b>	<b>1,442.0</b>	<b>1,460.0</b>	<b>4,034.0</b>	

**Appendix Table 8.3:** ADB Regional Loans in Infrastructure by Sector (\$ million), 1994–2009

Sector	Fund Type	Approved																
		1994	1995	1996	1997	1998	1999	1994–1999	%	2000	2001	2002	2003	2004	2005	2006	2000–2006	%
Energy	OCR	-	-	-	-	-	-	-	-	-	-	70.0	-	-	20.0	-	90.0	10.8
	ADF	60.0	-	52.0	-	-	-	112.0	30.1	-	-	20.0	44.3	-	-	56.5	120.8	20.9
	<b>Subtotal</b>	<b>60.0</b>	<b>-</b>	<b>52.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>112.0</b>	<b>14.5</b>	<b>-</b>	<b>-</b>	<b>90.0</b>	<b>44.3</b>	<b>-</b>	<b>20.0</b>	<b>56.5</b>	<b>210.8</b>	<b>15.0</b>
Transport and Communications	OCR	150.0	-	-	-	-	250.0	400.0	100.0	52.0	210.0	-	250.0	180.0	49.0	-	741.0	89.2
	ADF	-	48.0	15.0	-	140.0	57.0	260.0	69.9	5.0	46.0	80.0	15.0	89.9	40.0	180.2	456.1	79.1
	<b>Subtotal</b>	<b>150.0</b>	<b>48.0</b>	<b>15.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>660.0</b>	<b>85.5</b>	<b>57.0</b>	<b>256.0</b>	<b>80.0</b>	<b>265.0</b>	<b>269.9</b>	<b>89.0</b>	<b>180.2</b>	<b>1,197.1</b>	<b>85.0</b>
Water Supply, Sanitation, and Waste Management	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Irrigation and Drainage	OCR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Infrastructure Sectors	OCR	150.0	-	-	-	-	250.0	400.0	100.0	52.0	210.0	70.0	250.0	180.0	69.0	-	831.0	100.0
	ADF	60.0	48.0	67.0	-	140.0	57.0	372.0	100.0	5.0	46.0	100.0	59.3	89.9	40.0	236.7	576.9	100.0
	<b>Total</b>	<b>210.0</b>	<b>48.0</b>	<b>67.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>772.0</b>	<b>100.0</b>	<b>57.0</b>	<b>256.0</b>	<b>170.0</b>	<b>309.3</b>	<b>269.9</b>	<b>109.0</b>	<b>236.7</b>	<b>1,407.9</b>	<b>100.0</b>
Other Sectors	-	-	-	-	-	-	-	-	-	-	-	60.0	-	18.2	-	-	78.2	-
<b>Total Lending</b>		<b>210.0</b>	<b>48.0</b>	<b>67.0</b>	<b>-</b>	<b>140.0</b>	<b>307.0</b>	<b>772.0</b>		<b>57.0</b>	<b>256.0</b>	<b>230.0</b>	<b>309.3</b>	<b>288.1</b>	<b>109.0</b>	<b>236.7</b>	<b>1,486.1</b>	

- = Magnitude equals zero.

ADF = Asian Development Fund; OCR = ordinary capital resources.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

Appendix Table 8.3 continued

Sector	Fund Type	Total Approved		Programmed			Total Programmed	
		Amount	%	2007	2008	2009	Amount	%
Energy	OCR	90.0	7.3	55.0	200.0	220.0	475.0	16.8
	ADF	232.8	24.5	10.0	175.0	110.0	295.0	35.0
	<b>Subtotal</b>	<b>322.8</b>	<b>14.8</b>	<b>65.0</b>	<b>375.0</b>	<b>330.0</b>	<b>770.0</b>	<b>21.0</b>
Transport and Communications	OCR	1,141.0	92.7	870.0	660.0	690.0	2,220.0	78.7
	ADF	716.1	75.5	197.0	227.0	125.0	549.0	65.0
	<b>Subtotal</b>	<b>1,857.1</b>	<b>85.2</b>	<b>1,067.0</b>	<b>887.0</b>	<b>815.0</b>	<b>2,769.0</b>	<b>75.6</b>
Water Supply, Sanitation, and Waste Management	OCR	-	-	-	-	125.0	125.0	4.4
	ADF	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>125.0</b>	<b>125.0</b>	<b>3.4</b>
Irrigation and Drainage	OCR	-	-	-	-	-	-	-
	ADF	-	-	-	-	-	-	-
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Infrastructure Sectors	OCR	1,231.0	100.0	925.0	860.0	1,035.0	2,820.0	100.0
	ADF	948.9	100.0	207.0	402.0	235.0	844.0	100.0
	<b>Total</b>	<b>2,179.9</b>	<b>100.0</b>	<b>1,132.0</b>	<b>1,262.0</b>	<b>1,270.0</b>	<b>3,664.0</b>	<b>100.0</b>
Other Sectors		78.2		-	180.0	190.0	370.0	
<b>Total Lending</b>		<b>2,258.1</b>		<b>1,132.0</b>	<b>1,442.0</b>	<b>1,460.0</b>	<b>4,034.0</b>	

## APPENDIX 9: THE CHANGING PATTERN OF ADB ASSISTANCE

### Roads and Highways

In the early years of lending (the 1970s), efforts were mostly directed toward construction or development of physical infrastructure. In the 1980s road safety measures became an important project component. The 1990s and recent lending saw the inclusion of environmental protection measures, policy and institutional strengthening, capacity building, and private sector participation. Lending in the new millennium has an HIV/AIDS and antitrafficking component. Projects have evolved from purely physical infrastructure to include policy/institutional reforms and social concerns.

#### 1970s

- Construction of expressways, provision of related engineering and consultant services, provision of equipment.
- Feasibility study of expressway systems and design.
- Roadwork consisting of clearing, earthworks, drainage, base course and asphalt, and bridges.
- Consultant services for the preparation of detailed engineering design, specifications and other tender documents, prequalification of contractors, bid evaluation, and supervision of construction.

#### 1980s

- Improvement of unpaved provincial roads.
- Strengthening of paved roads.
- Consultant services.
- Traffic law enforcement and road safety studies to review current traffic laws and regulations, vehicle licensing and inspection systems, axle load control measures.
- Feasibility studies and analyses of traffic, road alignment, design standards, cost estimates and economic evaluations.
- Preparation of detailed engineering designs and tender documents for improvement and new construction.
- Upgrading of highways and gravel roads; rehabilitation, reconstruction, and strengthening of existing highways; widening of highways according to varying standards as required by traffic conditions.

#### 1990s

- Rehabilitation of paved roads; upgrading of unpaved roads; widening of congested national roads; new construction of road links, interchanges and bridges, viaducts, tunnels including ventilation, drainage and concrete lining; improvement of road traffic safety conditions in hazardous road sections.
- Supply and installation of telecommunications equipment, provision of highway monitoring devices and safety equipment.
- Consultant services (preconstruction activities and construction supervision pertaining to civil works, integration of existing road-related databases and creation of a central database).
- Civil works for provincial highway improvement and road safety measures, environmental protection measures.
- Periodic maintenance work.
- Institutional strengthening.
- Land acquisition and relocation.
- Capacity building, training, and human resource development.

#### 2000–2006

- Road widening, private sector participation, HIV/AIDS and antitrafficking, road safety.
- Institutional strengthening (road maintenance, axle-load control, road safety, vehicle emission control, project management and implementation), policy and institutional support.
- National highways upgrading and maintenance.
- Improvement of highways and local roads; cross-border facilitation (civil works for improving border infrastructure for customs and frontier guard posts, provision of equipment for inspection of vehicles and passengers, consulting services to improve cross-border agreement).
- Increasing emphasis on poverty reduction and facilitation of regional connectivity.

## Railways

The 1970s and 1980s projects were primarily concentrated on physical infrastructure. Since the 1990s, social impacts, environmental protection, mitigation measures, and policy reforms became valuable project components.

### 1970s

- Renewal of rails, replacement of bridge girders, rehabilitation of signaling and telecommunication systems, maintenance equipment, consultant services.

### 1980s

- Rehabilitation, repair, and maintenance facilities; provision of spare parts, equipment, consultant services for project implementation and training.
- Installation of railway telecommunication network linking operational centers to monitoring centers.
- Provision of freight locomotives, upgrading of railway facilities and equipment.
- Construction of railway stations, bridges, and tunnels.

### 1990s

- Electrification of tracks, parts for electric freight locomotives.
- Construction of railway stations, bridges and culverts, tunnels.
- Signaling and telecommunication facilities.
- Utilities and sewerage systems, water supply, power supply, ancillary facilities, buildings and housing, land acquisition and compensation for people required to be resettled, social impacts.
- Track bed preparation.
- Domestic consulting services and training.
- Policy reforms and institutional strengthening.

- Technology modernization.
- Policy initiatives.
- Computerization of management information and financial accounting systems.
- Environmental protection and mitigation measures, environmental monitoring, quality control.

### 2000–2006

- Rehabilitation of railway tracks, provision of equipment and operational safety equipment, mechanized maintenance of tracks.
- Construction of bridges, culverts, tunnels, railway stations.
- Electrification and power supply arrangements.
- Installation of optical fiber telecommunication systems, computerization of financial accounting systems, development of human resources to sustain technological improvements.
- Protection of the environment and mitigation of adverse environmental effects.
- Land acquisition and resettling of affected people, social impacts.
- Strengthening of marketing and business development capabilities.
- Consulting services.
- Strengthening of institutional capacity.
- Reform program: establishing an improved accounting system, operating it with social responsibilities to be delineated and separately funded by the government, implementing measures to improve customer orientation, continuing tariff rationalization, strengthening investment planning to concentrate on investments needed to improve business performance, restructuring core businesses as independent profit/cost centers.

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Sources: Reports and recommendations of the president and project completion reports.

**APPENDIX 10: NUMBER OF APPROVED AND PROGRAMMED LOANS BY ENVIRONMENTAL CATEGORY, 1992–2006**

Category	1992–1999		2000–2006		Total		
	No.	% Share	No.	% Share	No.	% Share	
A	Infrastructure	62	11.4	52	9.8	114	10.6
	Others	18	3.3	5	0.9	23	2.1
B	Infrastructure	150	27.7	139	26.1	289	26.9
	Others	149	27.5	167	31.3	316	29.4
B/C	Infrastructure	-	-	-	-	-	-
	Others	6	1.1	3	0.6	9	0.8
C	Infrastructure	21	3.9	10	1.9	31	2.9
	Others	136	25.1	149	28.0	285	26.5
FI	Infrastructure	-	-	1	0.2	1	0.1
	Others	-	-	7	1.3	7	0.7
<b>Total Lending</b>		<b>542</b>	<b>100.0</b>	<b>533</b>	<b>100.0</b>	<b>1,075</b>	<b>100.0</b>

The table is based on the present guidelines for project categorization as given in the *Operations Manual 20 F1*:

A = With significant adverse environmental impact.

B = With some adverse environmental impact but of lesser degree or significance than those for category A projects.

B/C = Likely or unlikely to have significant environmental impact; environment category to be confirmed upon receipt of adequate information.

C = Unlikely to have adverse environmental impact.

FI = Will involve a credit line through a financial intermediary or an equity investment in a financial intermediary.

Note: Three projects within the covered period are not included in the count because their environmental category is not given.

Sources: ADB internal database on Environment and Social Monitoring Information System (ESMIS); and Reports and Recommendations of the President.

**APPENDIX 11: ADB PUBLIC SECTOR LOANS BY LENDING MODALITY (\$ million), 1968–2006**

Sector	Lending Modality <sup>a</sup>	1970s <sup>b</sup>		1980s <sup>c</sup>		1990s <sup>d</sup>		2000–2006		Total	
		Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
Energy	Combined	-	-	-	-	-	-	-	-	-	-
	DFI	-	-	-	-	250.0	2.2	150.0	2.6	400.0	1.7
	Program	-	-	-	-	930.0	8.2	1,432.0	25.2	2,362.0	10.1
	Project	1,529.9	100.0	4,763.4	100.0	10,223.8	89.7	4,092.2	72.1	20,609.3	88.2
	<b>Subtotal</b>	<b>1,529.9</b>	<b>100.0</b>	<b>4,763.4</b>	<b>100.0</b>	<b>11,403.8</b>	<b>100.0</b>	<b>5,674.2</b>	<b>100.0</b>	<b>23,371.3</b>	<b>100.0</b>
Transport and Communications	Combined	-	-	-	-	-	-	-	-	-	-
	DFI	-	-	-	-	-	-	-	-	-	-
	Program	-	-	-	-	180.0	1.6	80.0	0.7	260.0	0.9
	Project	1,057.9	100.0	3,614.8	100.0	11,190.0	98.4	12,028.2	99.3	27,891.0	99.1
	<b>Subtotal</b>	<b>1,057.9</b>	<b>100.0</b>	<b>3,614.8</b>	<b>100.0</b>	<b>11,370.0</b>	<b>100.0</b>	<b>12,108.2</b>	<b>100.0</b>	<b>28,151.0</b>	<b>100.0</b>
Water Supply, Sanitation, and Waste Management	Combined	-	-	-	-	-	-	-	-	-	-
	DFI	-	-	-	-	-	-	-	-	-	-
	Program	-	-	-	-	-	-	5.0	0.2	5.0	0.1
	Project	598.7	100.0	1,144.9	100.0	2,334.0	100.0	2,361.8	99.8	6,439.4	99.9
	<b>Subtotal</b>	<b>598.7</b>	<b>100.0</b>	<b>1,144.9</b>	<b>100.0</b>	<b>2,334.0</b>	<b>100.0</b>	<b>2,366.8</b>	<b>100.0</b>	<b>6,444.4</b>	<b>100.0</b>
Irrigation and Drainage	Combined	-	-	-	-	-	-	-	-	-	-
	DFI	-	-	-	-	-	-	-	-	-	-
	Program	8.9	2.2	-	-	-	-	-	-	8.9	0.2
	Project	395.0	97.8	1,933.5	100.0	1,424.0	100.0	553.6	100.0	4,306.2	99.8
	<b>Subtotal</b>	<b>403.9</b>	<b>100.0</b>	<b>1,933.5</b>	<b>100.0</b>	<b>1,424.0</b>	<b>100.0</b>	<b>553.6</b>	<b>100.0</b>	<b>4,315.1</b>	<b>100.0</b>
Infrastructure Sectors	Combined	-	-	-	-	-	-	-	-	-	-
	DFI	-	-	-	-	250.0	0.9	150.0	0.7	400.0	0.6
	Program	8.9	0.2	-	-	1,110.0	4.2	1,517.0	7.3	2,635.9	4.2
	Project	3,581.5	99.8	11,456.6	100.0	25,171.9	94.9	19,035.9	91.9	59,245.8	95.1
	<b>Total</b>	<b>3,590.4</b>	<b>100.0</b>	<b>11,456.6</b>	<b>100.0</b>	<b>26,531.9</b>	<b>100.0</b>	<b>20,702.9</b>	<b>100.0</b>	<b>62,281.7</b>	<b>100.0</b>
Other Sectors	Combined	-	-	168.2	1.6	220.3	0.8	417.6	2.3	806.1	1.4
	DFI	979.1	31.9	2,550.0	24.9	2,818.5	10.7	810.5	4.4	7,158.1	12.3
	Program	31.0	1.0	1,586.3	15.5	11,150.6	42.3	9,445.2	51.0	22,213.0	38.2
	Project	2,057.1	67.1	5,950.8	58.0	12,152.3	46.1	7,836.8	42.3	27,997.0	48.1
	<b>Total</b>	<b>3,067.2</b>	<b>100.0</b>	<b>10,255.3</b>	<b>100.0</b>	<b>26,341.7</b>	<b>100.0</b>	<b>18,510.0</b>	<b>100.0</b>	<b>58,174.3</b>	<b>100.0</b>
Total Lending	Combined	-	-	168.2	0.8	220.3	0.4	417.6	1.1	806.1	0.7
	DFI	979.1	14.7	2,550.0	11.7	3,068.5	5.8	960.5	2.4	7,558.1	6.3
	Program	39.9	0.6	1,586.3	7.3	12,260.6	23.2	10,962.2	28.0	24,848.9	20.6
	Project	5,638.6	84.7	17,407.4	80.2	37,324.2	70.6	26,872.7	68.5	87,242.8	72.4
	<b>Total</b>	<b>6,657.6</b>	<b>100.0</b>	<b>21,711.9</b>	<b>100.0</b>	<b>52,873.6</b>	<b>100.0</b>	<b>39,212.9</b>	<b>100.0</b>	<b>120,456.0</b>	<b>100.0</b>

DFI = Development Financing Institution.

<sup>a</sup> As per the Operations Manual categories, "combined" is equivalent to the sector development program, "DFI" is a financial intermediation loan, "program" is policy-based, and "project" is an investment loan. Grant projects in 2006 are lumped in Projects. <sup>b</sup> Refers to 1968–1979. <sup>c</sup> Refers to 1980–1989. <sup>d</sup> Refers to 1990–1999.

Sources: ADB internal database on Loan, TA, Grant, and Equity Approvals; and Project Processing Information System (PPIS) as of 8 December 2006.

## APPENDIX 12: ADB'S NEW INSTRUMENTS AND MODALITIES

Five new instruments and modalities that the Asian Development Bank (ADB) is using are described in the following sections.

### **Multitranche Financing Facility**

The Multitranche Financing Facility (MFF) is a new financing facility meant to match funds with the financing needs of large projects that have discreet and sequential components. The MFF is a debt financing facility (using loans and guarantees) that can provide finance for slices (or tranches) of sector investment programs over a longer time frame than has been usual in past ADB projects. The MFF can assist a variety of investment needs, including projects, sector investments, financial intermediary credit lines, and guarantees for a range of clients such as central governments, local governments, state-owned enterprises (SOEs), and the private sector. The benefits of the MFF include lower transaction costs, better financial alignment, improved planning of cash flow, reduced processing stress, and improved implementation.

### **Subsovereign and Nonsovereign Public Sector Financing**

Under this form of financing, ADB can provide debt finance (loans and guarantees) directly to subsovereign, quasi-sovereign, and other nonsovereign public sector entities, including SOEs and local governments, on a nonrecourse or limited recourse basis. This financing allows ADB to lend to such entities without sovereign guarantee or counter guarantee from the central government. The pricing and terms and conditions of lending are based on the risk profile. This form of financing allows ADB to engage directly with provincial and municipal entities to meet their financing requirements for utilities (e.g., water, wastewater, and waste management), urban transport (the infrastructure and system to run it), housing, and other services. In addition to local governments and other subsovereign entities, this form of financing is also useful for selected SOEs across the region. This form of financing focuses on reforms while employing strict financial criteria. The reforms targeted include sectorwide issues, such as private sector participation, improved corporate governance, an enhanced regulatory framework, and an improved tariff regime. This also enables ADB to directly engage with a range of reform-oriented activities, including award of concessions, formation of joint venture companies, privatization of public enterprises, initial public offerings, public and private placements in local/international markets, and facilitation of support to commercial cofinancing.

### **Local Currency Financing for the Public Sector**

Under this facility, ADB can lend to public entities in local currency, which is particularly important for projects needing to avoid “currency mismatch” risks. Local currency financing is particularly important for public services, utilities, and infrastructure projects

that are subject to tight tariff regimes in local currency. It is also important for countries that face above-average exchange rate volatility. The elimination or partial reduction of the currency risk will reduce overall project risks and improve the likelihood that investments and reforms will be viable. This facility also enables ADB to directly support capital market development in developing member countries (DMCs).

### **Refinancing**

The refinancing facility is meant to salvage good projects with bad financing plans. Some technically, economically, and socially viable projects are faltering purely due to weaknesses in their financing plans. Restructuring of their financial plans could be an effective way to save these projects. Under this facility, ADB can help restructure and/or expand projects involving public or private sector assets, as well as assets under public-private partnerships. This facility is used selectively only where such refinancing will have a high and demonstrable development impact. Further, preference is given to projects with new investments and reform measures to ensure long-term viability of the restructured operations.<sup>1</sup> The same strict credit analysis and environmental requirements for new financing apply to refinancing projects.

### **Guarantee and Syndications Program**

To better facilitate investment, trade, and capital flows into its DMCs, ADB offers a variety of credit enhancement products (CEPs). They are grouped into two broad categories—guarantees and syndications—and are designed to share or lay off risks with a range of financing partners including lenders, insurers, reinsurers, or other cofinanciers.

Guarantees cover commercial and political risks of debt instruments in the form of partial credit guarantees or political risk guarantees. Syndications enable ADB to transfer some or all of the risk associated with its direct loans and guarantees to its financing partners.

To support the delivery of CEPs, ADB has created a formal syndications unit within the Office of Cofinancing Operations, relaxed the participation requirement to include any ADB financing instrument (under well-defined conditions), and established unified risk management procedures based on the best market practices.

Credit enhancement operations may be undertaken with a wide range of international and local financing partners in the public or private sector. ADB may also share risks with public sector entities for nonsovereign operations that are provided on commercial terms. CEPs can support sovereign, subsovereign, or nonsovereign obligors or borrowers, including those under public/private partnerships, with or without direct sovereign counter-indemnity from the host country.

<sup>1</sup> The facility is not used to cancel loans by ADB or other multilateral development bank loans. Refinancing is not to be used to bail out governments or sponsors that performed poorly or to finance cost overruns. Similarly, financial problems resulting from operating inefficiencies or poor management are also not addressed through a refinancing facility.