

Penang Statistics

April 2002



by

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PHYSICAL ATTRIBUTES

Area:

| | |
|------------------------|------------|
| <i>State of Penang</i> | 1031 sq km |
| Penang Island | 293 sq km |
| Seberang Perai | 738 sq km |

Location:

| | |
|------------|------------------|
| Latitudes | 5°8' - 5°35' |
| Longitudes | 100°8' - 100°32' |

Climate:

| | |
|-------------------------|-------------|
| <i>Tropical Monsoon</i> | |
| Temperature (Day) | 27°C - 30°C |
| Temperature (Night) | 22°C - 24°C |
| Mean Annual Rainfall | 267 cm |
| Relative Humidity | 70% - 90% |

DEMOGRAPHY

Penang: Estimated Population (in '000) and Distribution by Districts

| District | 1991 | 1997 | 1998 | 2000 |
|------------------------|----------------|----------------|----------------|----------------|
| | (census) | (estimated) | (estimated) | (census) |
| Timur Laut | 395.7 | 433.8 | 443.7 | 444.9 |
| Barat Daya | 122.8 | 147.4 | 151.6 | 169.4 |
| Seberang Perai Utara | 224.6 | 254.9 | 256.3 | 259.8 |
| Seberang Perai Tengah | 236.3 | 278.9 | 284.9 | 313.6 |
| Seberang Perai Selatan | 84.8 | 96.9 | 97.9 | 125.7 |
| State of Penang | 1,064.2 | 1,221.9 | 1,234.4 | 1,313.4 |

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics.

Note: Slight discrepancies may occur due to rounding.

Penang: Estimated Population by Sex (in '000)

| Gender | 1991 | 1997 | 1998 | 2000 |
|---------------|----------------|----------------|----------------|----------------|
| | (census) | (estimated) | (estimated) | (census) |
| Male | 526.0 | 607.2 | 613.3 | 654.1 |
| Female | 538.1 | 614.7 | 621.1 | 659.4 |
| Total | 1,064.2 | 1,221.9 | 1,234.4 | 1,313.4 |

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics.

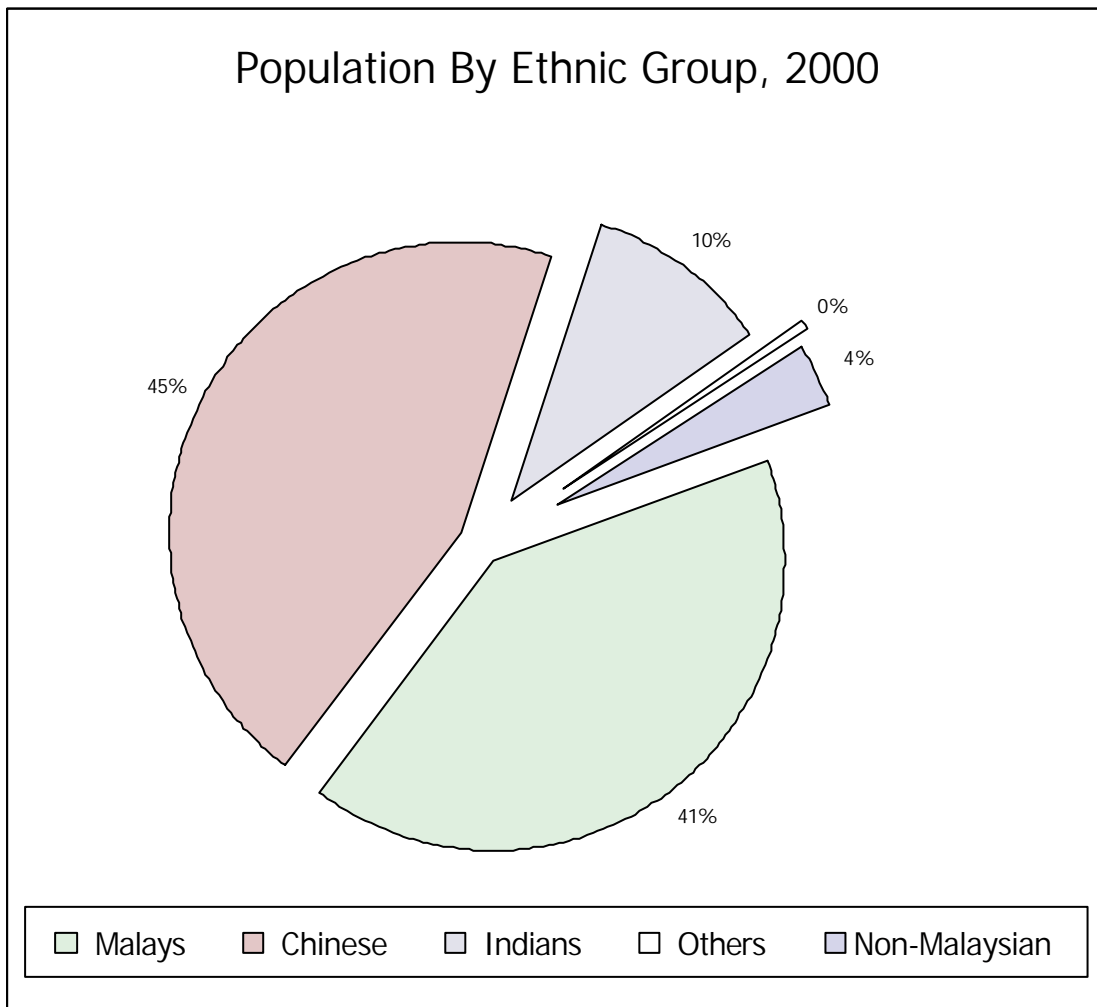
Note: Slight discrepancies may occur due to rounding.

Penang: Estimated Population by Ethnic Group (in '000)

| Ethnic Group | 1991 | 1997 | 1998 | 2000 |
|------------------------|----------------|----------------|----------------|----------------|
| | (census) | (estimated) | (estimated) | (census) |
| Malaysian: | 526.0 | 607.2 | 613.3 | 1,265.1 |
| Malays | 405.4 | 465.5 | 486.7 | 533.1 |
| Other Bumiputera | 1.1 | 1.3 | 1.9 | 3.9 |
| Chinese | 523.2 | 600.8 | 581.9 | 588.7 |
| Indians | 112.8 | 129.5 | 129.5 | 133.9 |
| Others | 5.8 | 6.6 | 6.6 | 5.4 |
| Non-Malaysian Citizens | 15.9 | 18.2 | 27.7 | 48.4 |
| Total | 1,064.2 | 1,221.9 | 1,234.4 | 1,313.4 |

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics.

Note: Slight discrepancies may occur due to rounding.



ECONOMIC

Penang: Gross Domestic Product (In 1987 – Constant Prices)

| (RM Million) | 1990 | 1995 | 2000 | 2001 |
|-----------------------------|---------|----------|----------|----------|
| Agri, forestry, fishing | 228.4 | 216.3 | 227.7 | 267.7 |
| M&Q | 23.4 | 162.6 | 191.1 | 202.4 |
| Manufacturing | 3,394.3 | 5935.0 | 7860.0 | 6,926.3 |
| Construction | 249.5 | 439.0 | 418.2 | 405.1 |
| Tertiary | 3,987.0 | 6761.4 | 8510.8 | 8,971.8 |
| Total (@ producers' value) | 7,882.2 | 13,515.1 | 17,207.8 | 16,773.3 |
| Total (@ purchasers' value) | 7,685.4 | 13,293.6 | 16,620.0 | 16,146.9 |

Source: Penang Strategic Development Plan 2 (PSDP2) & SERI

Penang: Gross Domestic Product Per Capita and Ratio of State to National Per Capita GDP

| (RM) | 1990 | 1995 | 2000 | 2001 |
|---|----------|-----------|-----------|-----------|
| GDP per capita, Penang | 6,904.00 | 11,015.00 | 12,653.71 | 12,038.21 |
| Ratio of State to national per capita GDP | 1.2 | 1.4 | 0.98 | 0.90 |

Source: PSDP2 & SERI

Penang: Sectoral Share of Gross Domestic Product (%)

| | 1990 | 1995 | 2000 | 2001 |
|-------------------------|-------|-------|-------|-------|
| Agri, forestry, fishing | 2.9 | 1.6 | 1.3 | 1.6 |
| M&Q | 0.3 | 1.2 | 1.1 | 1.2 |
| Manufacturing | 43.1 | 43.9 | 45.7 | 41.3 |
| Construction | 3.1 | 3.3 | 2.4 | 2.4 |
| Tertiary | 50.6 | 50.0 | 49.5 | 53.5 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 |

Source: PSDP2 & SERI

EMPLOYMENT

Penang: Labour Force Participation Rate by Gender and Ethnic Group (%)

| | 1996 | | | 1997 | | |
|------------------|-------|--------|-------|-------|--------|-------|
| | Male | Female | Total | Male | Female | Total |
| Total Malaysian | 81.0 | 38.5 | 59.7 | 83.0 | 51.0 | 66.9 |
| Malay | 81.3 | 41.4 | 61.5 | 83.3 | 53.5 | 68.3 |
| Other Bumiputera | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Chinese | 80.7 | 35.4 | 58.1 | 83.4 | 50.2 | 66.6 |
| Indian | 81.5 | 40.2 | 60.0 | 83.6 | 44.2 | 64.0 |
| Others | 73.1 | 42.8 | 57.4 | 60.9 | 50.2 | 56.4 |
| Non-Malaysian | 97.8 | 88.1 | 92.8 | 99.4 | 82.0 | 92.0 |
| Total | 81.4 | 39.9 | 60.6 | 84.0 | 52.4 | 68.2 |

Source: State/District Data Bank, Malaysia, 1997 & 1998

Penang: Employment by Gender and Economic Sectors (%)

| | 1996 | | | 1997 | | |
|---------------------------|-------|--------|-------|-------|--------|-------|
| | Male | Female | Total | Male | Female | Total |
| Agri, Forestry & Fishing | 4.4 | 0.9 | 3.2 | 2.9 | 0.5 | 2.0 |
| M&Q | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 |
| Manufacturing | 33.8 | 50.8 | 39.4 | 37.5 | 47.9 | 41.1 |
| Construction | 6.7 | 0.4 | 4.7 | 9.3 | 1.4 | 6.2 |
| Utilities | 1.0 | 0.1 | 0.7 | 1.2 | 0.3 | 0.9 |
| Transport, Storage, Comm. | 8.1 | 1.8 | 6.0 | 7.5 | 1.5 | 5.2 |
| WRHR | 22.6 | 18.3 | 21.1 | 20.0 | 20.4 | 20.1 |
| FIREBS | 5.4 | 5.1 | 5.3 | 4.2 | 5.7 | 4.8 |
| Community & Soc Services | 17.9 | 22.7 | 19.5 | 17.3 | 22.4 | 19.2 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: State/District Data Bank, Malaysia, 1997 & 1998

Note: Slight discrepancies may occur due to rounding.

Penang: Employed Persons by Industry, ('000 persons)

| | 1990 | 1992 | 1993 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Agri, Forestry & Fishing | 24.8 | 18.4 | 18.2 | 12.0 | 14.4 | 11.0 | 19.7 | 15.9 | 19.0 |
| M&Q | 0.5 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 1.1 | 0.9 | 0.7 |
| Manufacturing | 172.8 | 218.8 | 222.5 | 215.3 | 177.0 | 228.7 | 237.7 | 237.7 | 257.7 |
| Construction | 34.1 | 32.3 | 28.6 | 27.4 | 20.9 | 34.4 | 39.0 | 38.6 | 2.0 |
| Utilities | 4.1 | 3.5 | 4.4 | 3.5 | 3.0 | 4.7 | 3.8 | 3.4 | 39.5 |
| Transport, Storage, Comm. | 25.5 | 28.7 | 32.9 | 27.6 | 27.1 | 28.6 | 32.6 | 27.3 | 125.6 |
| WRHR | 103.4 | 94.7 | 81.7 | 94.7 | 95.0 | 111.2 | 112.5 | 119.8 | 31.4 |
| FIREBS | 14.4 | 20.8 | 20.2 | 23.7 | 23.9 | 26.5 | 29.3 | 40.3 | 30.5 |
| Community & Soc Services | 77.8 | 95.0 | 122.1 | 81.1 | 87.5 | 106.1 | 109.5 | 119.0 | 118.6 |
| Total | 457.2 | 512.6 | 531.0 | 485.8 | 449.4 | 552.0 | 585.2 | 602.9 | 625.0 |

Source: Labour Force Survey, Department of Statistics, Malaysia and Penang Five-Year Plan 2001-2005

Note: Slight discrepancies may occur due to rounding.

PRIMARY SECTOR**AGRICULTURE****Penang: Agriculture Areas (hectares)**

| Type | Year | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1985 | 1990 | 1995 | 1997 | 1998 | 1999 | 2000 |
| Rubber | 27,210 | 19,000 | 13,487 | 13,487 | 13,487 | 13,097 | 13,013 |
| Oil Palm | 4,685 | 11,179 | 16,444 | 15,158 | 15,158 | 13,182 | 13,018 |
| Padi | 17,610 | 24,889 | 14,351 | 14,351 | 14,351 | 28,125 | 28,125 |
| Coconut | 14,137 | 5,674 | 2,479 | 2,479 | 2,479 | 2,481 | 2,364 |
| Cocoa | 1,114 | 1,751 | 1,683 | 143 | 143 | 141 | 104 |
| Vegetables | 510 | 1,014 | 1,314 | 1,216 | 1,778 | 1,711 | 1,566 |
| Fruits | 2,520 | 5,740 | 7,110 | 7,096 | 6,929 | 7397 | 7,283 |
| Cloves | 408 | 237 | 224 | 224 | 69 | 87 | 67 |
| Nutmeg | 612 | 181 | 168 | 168 | 86 | 81 | 82 |
| Cash Crops | 1,086 | 239 | 199 | 234 | 474 | 416 | 197 |
| Others | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 438 |
| Total | 69,892 | 69,904 | 57,459 | 54,556 | 54,954 | 66,718 | 66,257 |

Source: Derived from data from the Jabatan Pertanian Negeri Pulau Pinang

SECONDARY SECTOR**MANUFACTURING****Penang: Approved Manufacturing Projects, Employment and Capital Investment**

| Year | Approved Projects | | | Potential Employment | Capital Investment (RM Million) |
|------|-------------------|--------|---------------|----------------------|---------------------------------|
| | Malaysia | Penang | % of national | | |
| 1987 | 333 | 59 | 17.7 | 16,662 | 635.74 |
| 1988 | 732 | 73 | 10 | 17,833 | 729.56 |
| 1989 | 792 | 115 | 14.5 | 27,032 | 1,183.07 |
| 1990 | 906 | 132 | 14.6 | 24,952 | 1,867.26 |
| 1991 | 973 | 125 | 12.8 | 22,455 | 1,525.13 |
| 1992 | 874 | 119 | 13.6 | 14,295 | 1,096.05 |
| 1993 | 686 | 87 | 12.7 | 10,378 | 516.82 |
| 1994 | 870 | 95 | 10.9 | 15,203 | 934.49 |
| 1995 | 898 | 89 | 9.9 | 13,779 | 1,606.65 |
| 1996 | 782 | 97 | 12.4 | 11,993 | 3,185.40 |
| 1997 | 759 | 90 | 11.9 | 9,736 | 1,449.10 |
| 1998 | 844 | 104 | 12.3 | 10,911 | 2,666.52 |
| 1999 | 725 | 95 | 13.1 | 14,928 | 4,777.80 |
| 2000 | 798 | 131 | 16.5 | 15,057 | 4,442.80 |
| 2001 | 813 | 110 | 13.5 | 14,078 | 3,770.91 |
| 2002 | 93 | 12 | 12.9 | 567 | 427.73 |

Source: MIDA Penang

Penang: Approved Manufacturing Projects by Industry

| Industry | No. of Projects | | | | Investment (RM Million) | | | |
|------------------------------------|-----------------|------------|------------|-------------------|-------------------------|----------------|----------------|-------------------|
| | 1999 | 2000 | 2001 | 2002 (Jan-Feb) | 1999 | 2000 | 2001 | 2002 (Jan-Feb) |
| Electrical & Electronic | 46 | 57 | 60 | 7 | 4,609.6 | 3,307.1 | 3,223.4 | 412.2 |
| Chemicals & Chemical Products | 3 | 6 | 1 | - | 8.9 | 387.9 | 4.2 | - |
| Fabricated Metal Products | 5 | 7 | 6 | 1 | 11.8 | 55.4 | 30.1 | - |
| Basic Metal Products | 4 | 7 | 4 | - | 33.4 | 79.4 | 53.1 | - |
| Machinery Manufacturing | 5 | 8 | 10 | 3 | 3.3 | 51.0 | 78.8 | 0.3 |
| Non-Metallic Mineral Products | 4 | - | 2 | - | - | - | 4.5 | - |
| Plastic Products | 8 | 7 | 5 | - | 14.2 | 129.6 | 23.6 | - |
| Paper, Printing & Publishing | 3 | 7 | 3 | - | 3.6 | 163.8 | 81.0 | - |
| Rubber Products | - | - | 5 | - | - | - | 28.1 | - |
| Textile & Garment | 6 | 6 | - | - | 29.7 | 47.8 | - | - |
| Food Manufacturing | 1 | 15 | 3 | - | 3.5 | 132.7 | 33.7 | - |
| Wood & Wood Products | 2 | 3 | - | - | 26.2 | 33.0 | - | - |
| Transport Equipment | 3 | 4 | 4 | - | 6.4 | 22.6 | 76.8 | - |
| Scientific & Measurement Equipment | - | - | 2 | 1 | - | - | 0.0 | 15.2 |
| Petroleum & Petrochemical Products | - | - | 1 | - | - | - | 69.0 | - |
| Others | 3 | 4 | 4 | - | 11.6 | 32.3 | 63.0 | - |
| Total | 93 | 131 | 110 | 12 | 4,762.2 | 4,442.6 | 3,770.9 | 427.7 |

Source: MIDA Penang

Note: Slight discrepancies may occur due to rounding.

Approved Manufacturing Projects and Investment by State

| State | No. of Projects | | | | Investment (RM Million) | | | |
|----------------------|-----------------|------------|------------|-------------------|-------------------------|-----------------|-----------------|-------------------|
| | 1999 | 2000 | 2001 | 2002 (Jan-Feb) | 1999 | 2000 | 2001 | 2002 (Jan-Feb) |
| Wilayah Persekutuan | | | | | | | | |
| Kuala Lumpur | 30 | 16 | 18 | 3 | 277.7 | 177.4 | 214.3 | 111.9 |
| Labuan | - | 1 | 1 | 1 | - | 27.0 | 9.0 | 12.5 |
| Selangor | 187 | 220 | 257 | 25 | 2,572.2 | 7,802.1 | 5,487.5 | 394.6 |
| Pulau Pinang | 93 | 131 | 110 | 12 | 4,777.8 | 4,459.6 | 3,770.9 | 427.7 |
| Perak | 55 | 57 | 39 | 4 | 1,293.2 | 3,058.5 | 857.6 | 92.7 |
| Johor | 172 | 178 | 180 | 21 | 2,312.0 | 2,454.3 | 2,421.7 | 374.5 |
| Negeri Sembilan | 32 | 29 | 29 | 7 | 228.2 | 2,172.0 | 1,952.1 | 32.3 |
| Melaka | 35 | 37 | 31 | 2 | 2,871.0 | 1,001.7 | 3,440.7 | 15.9 |
| Kedah | 43 | 45 | 62 | 7 | 567.8 | 1,016.1 | 682.9 | 38.7 |
| Pahang | 14 | 25 | 21 | 1 | 287.2 | 2,830.4 | 345.8 | 9.0 |
| Kelantan | 4 | 5 | 8 | 3 | 16.6 | 33.3 | 111.9 | 7.0 |
| Terengganu | 15 | 7 | 7 | - | 1,336.4 | 93.8 | 15.3 | - |
| Perlis | - | 1 | 4 | - | - | - | 14.1 | - |
| Sabah | 5 | 14 | 20 | 3 | 27.3 | 369.3 | 4,774.9 | 61.0 |
| Sarawak | 23 | 30 | 26 | 4 | 261.3 | 8,114.7 | 620.0 | 15.5 |
| Location Unconfirmed | - | 2 | - | - | - | - | - | - |
| Total | 708 | 500 | 813 | 93 | 17,020.2 | 33,610.3 | 24,718.8 | 1,593.3 |

Source: MIDA Penang

Note: Slight discrepancies may occur due to rounding.

Penang: Manufacturing Industry – Principal Statistics

| Industry Description | No. of Establishments | | | Total Employees | | |
|-----------------------------------|-----------------------|-------------|------------|-----------------|----------------|----------------|
| | 1995 | 1996 | 1997 | 1995 | 1996 | 1997 |
| Food Products | 130 | 270 | 104 | 8,254 | 8,683 | 7,851 |
| Oil & Fats | 17 | 16 | 12 | 1,236 | 1,128 | 952 |
| Textile & Apparel | 98 | 197 | 65 | 22,701 | 20,004 | 17,984 |
| Wood Products excluding furniture | 27 | 67 | 19 | 2,882 | 2,913 | 2,058 |
| Wood-based furniture | 9 | 61 | 8 | 725 | 675 | 1,126 |
| Paper Products | 42 | 152 | 52 | 8,482 | 9,131 | 9,286 |
| Chemical Products | 47 | 58 | 32 | 4,741 | 4,248 | 4,439 |
| Rubber Products | 20 | 32 | 16 | 8,248 | 7,390 | 9,206 |
| Plastic Products | 21 | 108 | 35 | 10,168 | 10,070 | 10,973 |
| Non-metallic Mineral Products | 30 | 40 | 14 | 1,143 | 1,482 | 845 |
| Basic Iron & Steel Industry | 22 | 84 | 26 | 5,145 | 5,870 | 4,919 |
| Non-Ferrous Metal Products | 8 | 10 | 8 | 2,257 | 2,230 | 2,044 |
| Fabricated Metal Products | 58 | 165 | 42 | 6,169 | 5,744 | 7,039 |
| Non-electrical Machinery | 43 | 113 | 47 | 14,058 | 17,192 | 22,251 |
| Electrical Machinery | 64 | 132 | 64 | 103,906 | 117,038 | 116,845 |
| Motor Vehicles & Other Transport | 27 | 26 | 16 | 3,252 | 3,498 | 3,166 |
| Scientific & Optical Equipment | 10 | 9 | 10 | 4,636 | 4,288 | 4,403 |
| Others | 41 | 72 | 39 | 6,852 | 7,161 | 6,553 |
| TOTAL | 714 | 1612 | 609 | 214,855 | 228,745 | 231,940 |

Source: Derived from data provided by DOS, Penang

| Industry Description | Value Added (RM '000) | | | Value Added per Employee (RM) | | |
|-----------------------------------|-----------------------|-------------------|-------------------|-------------------------------|---------------|---------------|
| | 1995 | 1996 | 1997 | 1995 | 1996 | 1997 |
| Food Products | 389,350 | 449,794 | 502,584 | 47,171 | 51,802 | 64,015 |
| Oil & Fats | 69,815 | 84,013 | 99,709 | 56,485 | 74,480 | 104,736 |
| Textile & Apparel | 670,087 | 540,001 | 636,663 | 29,518 | 26,995 | 35,402 |
| Wood Products excluding furniture | 54,298 | 74,462 | 54,197 | 18,840 | 25,562 | 26,335 |
| Wood-based furniture | 17,625 | 18,351 | 27,919 | 24,310 | 27,187 | 24,795 |
| Paper Products | 333,920 | 360,418 | 415,627 | 39,368 | 39,472 | 44,758 |
| Chemical Products | 473,106 | 410,719 | 470,238 | 99,790 | 96,685 | 105,933 |
| Rubber Products | 345,321 | 359,762 | 615,850 | 41,867 | 48,682 | 66,897 |
| Plastic Products | 327,794 | 347,122 | 429,905 | 32,238 | 34,471 | 39,178 |
| Non-metallic Mineral Products | 55,004 | 71,413 | 58,627 | 48,122 | 48,187 | 69,381 |
| Basic Iron & Steel Industry | 400,078 | 531,305 | 443,918 | 77,761 | 90,512 | 90,246 |
| Non-Ferrous Metal Products | 118,592 | 71,446 | 100,363 | 52,544 | 32,039 | 49,101 |
| Fabricated Metal Products | 199,868 | 281,155 | 318,476 | 32,399 | 48,948 | 45,244 |
| Non-electrical Machinery | 493,885 | 1,075,660 | 1,889,346 | 35,132 | 62,567 | 84,911 |
| Electrical Machinery | 4,574,690 | 5,797,228 | 6,945,405 | 44,027 | 49,533 | 59,441 |
| Motor Vehicles & Other Transport | 268,269 | 251,036 | 302,918 | 82,494 | 71,766 | 95,678 |
| Scientific & Optical Equipment | 163,667 | 144,224 | 127,978 | 35,303 | 33,634 | 29,066 |
| Others | 167,501 | 190,716 | 177,179 | 24,446 | 26,633 | 27,038 |
| TOTAL | 9,122,870 | 11,058,825 | 13,596,902 | 42,461 | 48,346 | 58,622 |

Source: Derived from data provided by DOS, Penang

| Industry Description | Fixed Assets (RM '000) | | | Salaries/Wages (RM'000) | | |
|-----------------------------------|------------------------|-------------------|-------------------|-------------------------|------------------|------------------|
| | 1995 | 1996 | 1997 | 1995 | 1996 | 1997 |
| Food Products | 412,048 | 480,079 | 603,470 | 98,546 | 109,617 | 118,391 |
| Oil & Fats | 122,691 | 109,714 | 184,952 | 20,133 | 18,925 | 18,246 |
| Textile & Apparel | 719,554 | 627,836 | 518,318 | 266,931 | 264,245 | 243,811 |
| Wood Products excluding furniture | 49,118 | 98,772 | 83,569 | 27,408 | 33,892 | 24,374 |
| Wood-based furniture | 11,552 | 12,136 | 34,981 | 5,970 | 5,640 | 12,218 |
| Paper Products | 630,770 | 753,580 | 815,447 | 105,611 | 131,499 | 145,972 |
| Chemical Products | 1,218,710 | 1,179,135 | 1,234,920 | 89,030 | 87,424 | 98,121 |
| Rubber Products | 261,714 | 364,477 | 485,947 | 93,712 | 99,216 | 139,511 |
| Plastic Products | 340,235 | 433,543 | 727,924 | 107,049 | 120,826 | 145,153 |
| Non-metallic Mineral Products | 98,998 | 121,160 | 93,703 | 15,933 | 21,959 | 16,110 |
| Basic Iron & Steel Industry | 1,079,877 | 1,207,705 | 1,554,768 | 88,823 | 107,147 | 100,411 |
| Non-Ferrous Metal Products | 128,503 | 133,676 | 127,456 | 35,168 | 39,402 | 39,290 |
| Fabricated Metal Products | 384,050 | 499,129 | 515,000 | 61,888 | 68,542 | 92,627 |
| Non-electrical Machinery | 596,604 | 996,904 | 1,509,561 | 158,706 | 254,953 | 372,526 |
| Electrical Machinery | 5,222,943 | 4,814,563 | 6,900,095 | 1,410,659 | 1,698,672 | 1,853,198 |
| Motor Vehicles & Other Transport | 208,092 | 162,632 | 167,354 | 53,391 | 58,319 | 60,443 |
| Scientific & Optical Equipment | 169,814 | 156,939 | 153,980 | 73,687 | 73,872 | 79,969 |
| Others | 154,809 | 161,055 | 198,008 | 71,394 | 82,089 | 86,525 |
| TOTAL | 11,810,082 | 12,313,035 | 15,909,453 | 2,784,039 | 3,276,239 | 3,646,896 |

Source: Derived from data provided by DOS, Penang

| Industry Description | Tech. Coef. Of Labour | | | Capital Intensity (RM) | | |
|-----------------------------------|-----------------------|---------------|-----------------|------------------------|---------------|---------------|
| | 1995 | 1996 | 1997 | 1995 | 1996 | 1997 |
| Food Products | 0.0491 | 0.0515 | 0.050788 | 49,921 | 55,290 | 76,865 |
| Oil & Fats | 0.0125 | 0.0180 | 0.010606 | 99,265 | 97,264 | 194,277 |
| Textile & Apparel | 0.1311 | 0.1412 | 0.121092 | 31,697 | 31,386 | 28,821 |
| Wood Products excluding furniture | 0.1109 | 0.1229 | 0.115312 | 17,043 | 33,907 | 40,607 |
| Wood-based furniture | 0.1184 | 0.1054 | 0.132739 | 15,934 | 17,979 | 31,067 |
| Paper Products | 0.1129 | 0.1207 | 0.132671 | 74,366 | 82,530 | 87,815 |
| Chemical Products | 0.0491 | 0.0542 | 0.048993 | 257,058 | 277,574 | 278,198 |
| Rubber Products | 0.0915 | 0.0993 | 0.105401 | 31,731 | 49,320 | 52,786 |
| Plastic Products | 0.1294 | 0.1345 | 0.137378 | 33,461 | 43,053 | 66,338 |
| Non-metallic Mineral Products | 0.1037 | 0.1053 | 0.080703 | 86,612 | 81,754 | 110,891 |
| Basic Iron & Steel Industry | 0.0459 | 0.0475 | 0.049095 | 209,889 | 205,742 | 316,074 |
| Non-Ferrous Metal Products | 0.0412 | 0.0434 | 0.040056 | 56,935 | 59,944 | 62,356 |
| Fabricated Metal Products | 0.0810 | 0.0868 | 0.090061 | 62,255 | 86,896 | 73,164 |
| Non-electrical Machinery | 0.0513 | 0.0514 | 0.047616 | 42,439 | 57,987 | 67,842 |
| Electrical Machinery | 0.0714 | 0.0724 | 0.074678 | 50,266 | 41,137 | 59,053 |
| Motor Vehicles & Other Transport | 0.0668 | 0.0642 | 0.069487 | 63,989 | 46,493 | 52,860 |
| Scientific & Optical Equipment | 0.1988 | 0.2173 | 0.245376 | 36,629 | 36,600 | 34,972 |
| Others | 0.0815 | 0.1179 | 0.072871 | 22,593 | 22,491 | 30,216 |
| TOTAL | 0.0711 | 0.0736 | 0.071328 | 54,968 | 53,829 | 68,593 |

Source: Derived from data provided by DOS, Penang

TERTIARY SECTOR

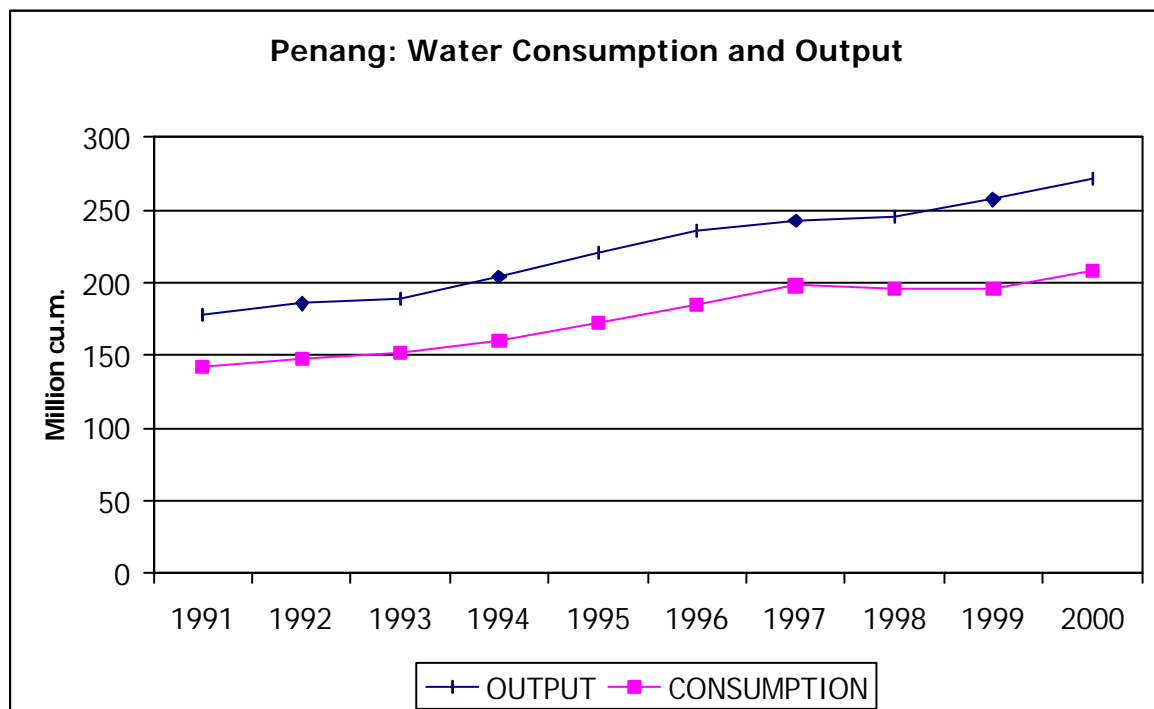
UTILITIES

WATER

Penang: Water Output And Consumption ('000 cubic Metres)

| Year | Output | % Increase | Consumption | % Increase |
|----------------|---------|-------------|-------------|-------------|
| 1991 | 177,829 | - | 141,866 | - |
| 1992 | 185,413 | 4.3 | 147,424 | 3.9 |
| 1993 | 188,685 | 1.8 | 152,477 | 3.4 |
| 1994 | 204,006 | 8.1 | 159,598 | 3.4 |
| 1995 | 220,550 | 8.1 | 172,321 | 8.0 |
| 1996 | 236,124 | 7.0 | 184,541 | 7.1 |
| 1997 | 242,531 | 2.8 | 198,038 | 7.3 |
| 1998 | 245,425 | 1.2 | 195,668 | -1.2 |
| 1999 | 257,307 | 4.8 | 195,801 | 0.1 |
| 2000 | 271,257 | 5.4 | 208,183 | 6.3 |
| 2000 (Jan-Oct) | 225,378 | - | 174,466 | - |
| 2001 (Jan-Oct) | 232,995 | 3.2 (y.o.y) | 182,393 | 4.5 (y.o.y) |

Source: Derived from data provided by the Penang Water Authority



Source: Derived from data provided by the Penang Water Authority

Penang: Daily Water Supply and Consumption

| | 1998 | | | 1999 | | | 2000 | | |
|--|---------------|----------------|--------------|---------------|----------------|--------------|---------------|----------------|--------------|
| | Penang Island | Seberang Perai | Penang State | Penang Island | Seberang Perai | Penang State | Penang Island | Seberang Perai | Penang State |
| No. of Treatment Plants | 6 | 4 | 10 | 6 | 4 | 10 | 6 | 4 | 10 |
| Max. Capacity of Treatment Plants (cu.m/day) | 168,182 | 704,545 | 872,727 | 204,545 | 843,181 | 1,047,726 | 204,545 | 843,181 | 1,047,726 |
| Average Daily Production (cu.m) | 336,556 | 335,843 | 672,399 | 336,820 | 368,142 | 704,952 | 348,315 | 392,826 | 741,141 |
| Average Daily Consumption (cu.m) | 269,745 | 266,333 | 536,078 | 270,546 | 265,896 | 536,442 | 283,835 | 284,971 | 568,806 |
| No. of Services (consumers) | 161,096 | 153,826 | 314,921 | 173,337 | 165,186 | 338,523 | 182,364 | 174,433 | 356,797 |
| Daily Consumption (cu.m) | | | | | | | | | |
| Per Consumer | 1.67 | 1.73 | 1.70 | 1.56 | 1.61 | 1.58 | 1.56 | 1.63 | 1.59 |
| Per Industrial Consumer | 7.16 | 6.16 | 6.63 | 6.47 | 5.51 | 5.96 | 6.48 | 5.44 | 5.91 |
| Per Domestic Consumer | 1.09 | 1.16 | 1.12 | 1.03 | 1.08 | 1.05 | 1.02 | 1.10 | 1.06 |

Source: Derived from data provided by the Penang Water Authority

ELECTRICITY**Penang: Power Demand & Supply**

| Year | Maximum Demand (MW) | Installed Capacity (MW) | Excess Capacity (%) |
|-------|---------------------|-------------------------|---------------------|
| 1992 | 593 | 800 | 34.9 |
| 1993 | 637 | 800 | 25.6 |
| 1994 | 715 | 800 | 11.9 |
| 1995 | 784 | 800 | 2.0 |
| 1996 | 869 | 1442 | 65.9 |
| 1997 | 970 | 2186 | 56.0 |
| 1998 | 954 | 2014 | 111.0 |
| 1999* | 987 | 2091 | 112.0 |
| 2000* | 1022 | 2244 | 120.0 |

Note: * Projected Figures

Source: TNB, Penang.

TRANSPORT

ROAD TRANSPORT

New Motor Vehicle Registration (2001)

| Month | Region | Motorcycle | Private Passenger Car | Taxi | Bus | Lorry & Van | Hire Car | Others | Total |
|-----------|----------|------------|-----------------------|------|-----|-------------|----------|--------|--------|
| January | Penang | 2,862 | 2,943 | 2 | 3 | 2 | 103 | 48 | 5,963 |
| | Malaysia | 21,774 | 27,103 | 39 | 73 | 69 | 2,026 | 1,111 | 52,195 |
| February | Penang | 2,844 | 3,297 | 0 | 12 | 3 | 107 | 38 | 6,301 |
| | Malaysia | 21,322 | 29,564 | 32 | 114 | 84 | 1,841 | 930 | 53,887 |
| March | Penang | 2,904 | 3,383 | 1 | 7 | 1 | 181 | 116 | 6,593 |
| | Malaysia | 20,846 | 30,796 | 38 | 320 | 116 | 2,328 | 1,007 | 55,451 |
| April | Penang | 2,340 | 3,388 | 2 | 18 | 9 | 111 | 51 | 5,919 |
| | Malaysia | 19,337 | 31,012 | 56 | 265 | 85 | 2,194 | 942 | 53,891 |
| May | Penang | 2,470 | 3,405 | 5 | 9 | 2 | 205 | 91 | 6,187 |
| | Malaysia | 19,991 | 32,776 | 63 | 298 | 129 | 2,243 | 1,052 | 56,552 |
| June | Penang | 2,422 | 3,416 | 0 | 12 | 1 | 247 | 85 | 6,183 |
| | Malaysia | 19,213 | 30,562 | 42 | 225 | 122 | 2,270 | 931 | 53,365 |
| July | Penang | 2,663 | 3,638 | 2 | 17 | 3 | 214 | 66 | 6,603 |
| | Malaysia | 21,513 | 34,948 | 57 | 251 | 179 | 2,521 | 992 | 60,461 |
| August | Penang | 2,426 | 3,773 | 2 | 16 | 0 | 179 | 68 | 6,464 |
| | Malaysia | 19,898 | 37,448 | 90 | 272 | 162 | 2,671 | 1,209 | 61,750 |
| September | Penang | 2,021 | 3,642 | 2 | 14 | 6 | 121 | 73 | 5,879 |
| | Malaysia | 16,943 | 34,428 | 47 | 347 | 116 | 2,049 | 1,112 | 55,024 |
| October | Penang | 2,465 | 4,174 | 3 | 3 | 9 | 127 | 70 | 6,851 |
| | Malaysia | 19,363 | 40,329 | 55 | 274 | 134 | 1,993 | 1,409 | 63,557 |
| November | Penang | 2,237 | 4,119 | 4 | 14 | 1 | 144 | 62 | 6,581 |
| | Malaysia | 17,795 | 38,426 | 69 | 419 | 92 | 1,935 | 1,293 | 60,029 |
| December | Penang | 1,885 | 2,685 | 1 | 9 | 1 | 118 | 90 | 4,789 |
| | Malaysia | 16,756 | 28,499 | 64 | 311 | 60 | 1,541 | 1,878 | 49,109 |

Motor Vehicle Re-registration (2001)

| Month | Region | Motorcycle | Private Passenger Car | Taxi | Bus | Lorry & Van | Hire Car | Others | Total |
|-----------|----------|------------|-----------------------|--------|--------|-------------|----------|---------|------------|
| January | Penang | 676,499 | 395,965 | 3,898 | 2,452 | 355 | 36,940 | 12,010 | 1,128,119 |
| | Malaysia | 5,379,708 | 4,174,307 | 48,745 | 56,109 | 10,082 | 666,979 | 316,662 | 10,652,592 |
| February | Penang | 679,460 | 399,298 | 3,899 | 2,464 | 359 | 37,040 | 12,030 | 1,134,550 |
| | Malaysia | 5,402,951 | 4,205,092 | 48,811 | 56,069 | 9,999 | 668,828 | 317,565 | 10,709,315 |
| March | Penang | 682,589 | 402,729 | 3,908 | 2,462 | 364 | 37,204 | 12,145 | 1,141,401 |
| | Malaysia | 5,426,002 | 4,237,385 | 48,889 | 56,119 | 9,956 | 671,304 | 318,770 | 10,768,425 |
| April | Penang | 684,998 | 406,180 | 3,909 | 2,475 | 374 | 37,283 | 12,192 | 1,147,411 |
| | Malaysia | 5,447,764 | 4,269,656 | 48,977 | 56,151 | 9,943 | 673,394 | 319,771 | 10,825,656 |
| May | Penang | 687,517 | 409,590 | 3,919 | 2,483 | 383 | 37,473 | 12,286 | 1,153,651 |
| | Malaysia | 5,469,128 | 4,303,978 | 49,083 | 56,230 | 9,971 | 675,738 | 320,771 | 10,884,899 |
| June | Penang | 690,281 | 413,197 | 3,926 | 2,486 | 379 | 37,703 | 12,361 | 1,160,333 |
| | Malaysia | 5,490,504 | 4,336,767 | 49,168 | 56,247 | 9,989 | 677,845 | 321,684 | 10,942,204 |
| July | Penang | 693,224 | 416,893 | 3,932 | 2,496 | 377 | 37,897 | 12,411 | 1,167,230 |
| | Malaysia | 5,512,916 | 4,372,962 | 49,256 | 56,280 | 10,023 | 680,170 | 322,626 | 11,004,233 |
| August | Penang | 697,461 | 420,863 | 3,940 | 2,513 | 376 | 38,112 | 12,501 | 1,175,766 |
| | Malaysia | 5,535,070 | 4,411,700 | 49,395 | 56,285 | 10,118 | 682,634 | 323,821 | 11,069,023 |
| September | Penang | 700,315 | 424,616 | 3,945 | 2,524 | 378 | 38,238 | 12,546 | 1,182,562 |
| | Malaysia | 5,553,404 | 4,447,193 | 49,484 | 56,364 | 10,111 | 684,577 | 324,740 | 11,125,873 |
| October | Penang | 703,285 | 428,862 | 3,948 | 2,515 | 385 | 38,349 | 12,607 | 1,189,951 |
| | Malaysia | 5,573,740 | 4,488,914 | 49,602 | 56,340 | 10,090 | 686,486 | 326,122 | 11,191,294 |
| November | Penang | 705,900 | 433,037 | 3,945 | 2,514 | 379 | 38,487 | 12,669 | 1,196,931 |
| | Malaysia | 5,592,150 | 4,528,490 | 49,669 | 56,464 | 10,053 | 688,367 | 327,369 | 11,252,562 |
| December | Penang | 707,851 | 435,744 | 3,949 | 2,518 | 380 | 38,588 | 12,757 | 1,201,787 |
| | Malaysia | 5,609,351 | 4,557,992 | 49,771 | 56,579 | 9,986 | 689,668 | 329,198 | 11,302,545 |

Source: Derived from the statistics provided by Jabatan Pengangkutan Jalan, Malaysia

TRADE**PENANG AIRPORT****Aircraft Movements per annum**

| Year | No. of Movement |
|----------------|-----------------|
| 1991 | 30,818 |
| 1992 | 36,826 |
| 1993 | 35,034 |
| 1994 | 35,950 |
| 1995 | 35,556 |
| 1996 | 36,956 |
| 1997 | 35,445 |
| 1998 | 31,816 |
| 1999 | 27,465 |
| 2000 | 27,951 |
| 2001 | 29,102 |
| 2002 (Jan-Feb) | 4,756 |

Source: Derived from series of Airport Statistics, Malaysia Airports Berhad

Number of Passengers (Domestic & International) per annum

| Year | No. of Passengers (millions) | | |
|-------------------|------------------------------|---------------|-------|
| | Domestic | International | Total |
| 1991 | 1.27 | 0.90 | 2.17 |
| 1992 | 1.56 | 1.08 | 2.64 |
| 1993 | 1.65 | 1.13 | 2.78 |
| 1994 | 1.58 | 1.20 | 2.78 |
| 1995 | 1.60 | 1.25 | 2.85 |
| 1996 | 1.70 | 1.18 | 2.88 |
| 1997 | 1.68 | 1.23 | 2.91 |
| 1998 | 1.35 | 1.10 | 2.45 |
| 1999 | 1.35 | 1.10 | 2.45 |
| 2000 | 1.27 | 1.48 | 2.74 |
| 2001 | 1.20 | 1.35 | 2.55 |
| 2002 (Jan-Feb) | 0.18 | 0.19 | 0.37 |

Note: Slight discrepancies may arise due to rounding.

Source: Derived from series of Airport Statistics, Malaysia Airports Berhad

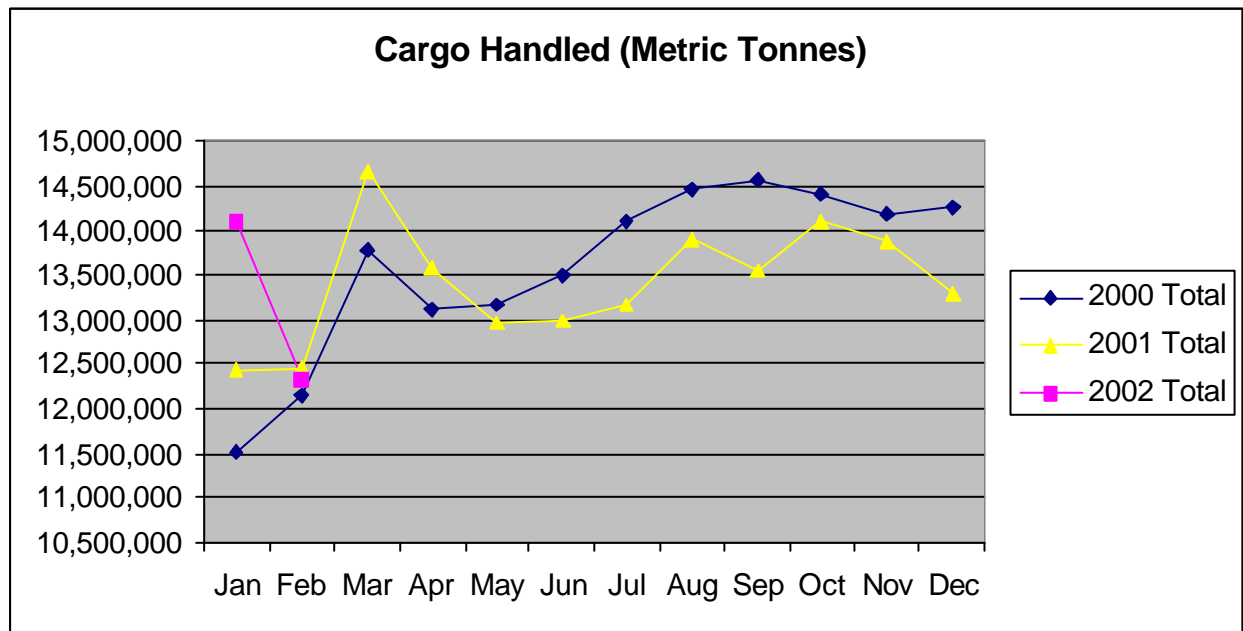
Cargo Handled (Domestic & International) per annum

| Year | Cargo Handled (in '000 metric tonnes)* | | |
|-------------------|--|---------------|--------|
| | Domestic | International | Total |
| 1991 | 12.06 | 25.72 | 37.78 |
| 1992 | 11.84 | 30.78 | 42.62 |
| 1993 | 13.21 | 33.42 | 46.63 |
| 1994 | 13.38 | 47.58 | 60.96 |
| 1995 | 16.13 | 70.70 | 86.83 |
| 1996 | 14.16 | 82.37 | 96.53 |
| 1997 | 15.96 | 106.21 | 122.17 |
| 1998 | 12.32 | 124.74 | 137.06 |
| 1999 | 10.62 | 133.89 | 144.51 |
| 2000 | 37.87 | 125.43 | 163.30 |
| 2001 | 34.87 | 126.15 | 161.02 |
| 2002 (Jan-Feb) | 6.04 | 20.42 | 26.46 |

*The figures from 1993 onwards are based on new categorization method.

*Note: Slight discrepancies may arise due to rounding.

Source: Derived from series of Airport Statistics, Malaysia Airports Berhad.



PENANG PORT**Annual Number of Shipcalls**

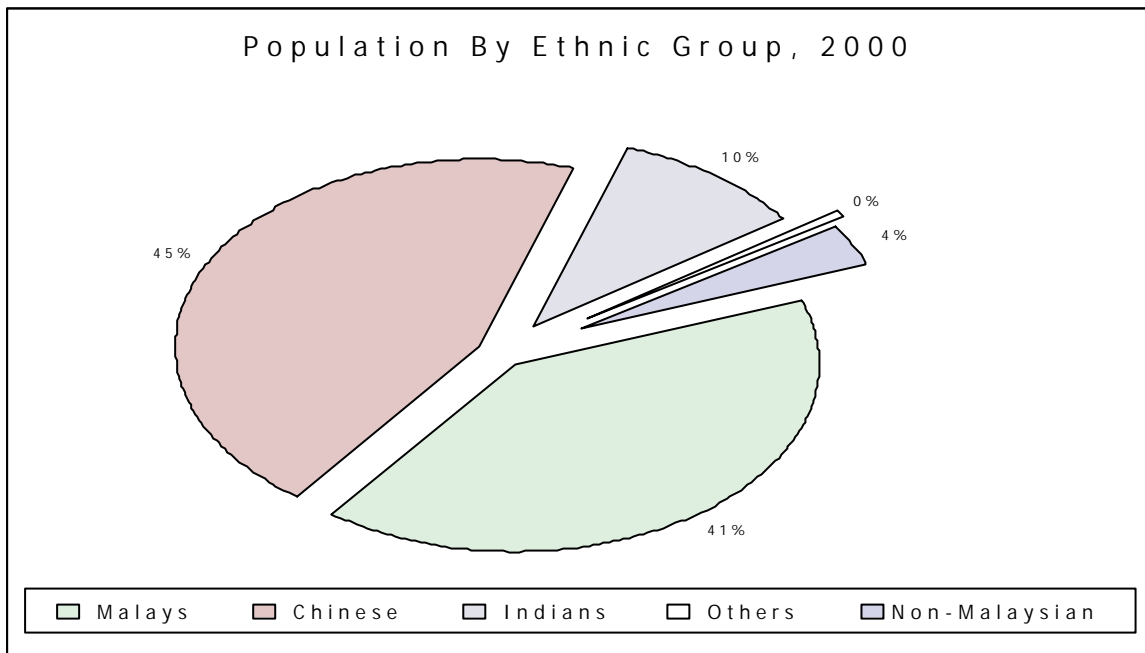
| Year | Domestic | Foreign | Total |
|----------------|----------|---------|-------|
| 1990 | 2,437 | 3,091 | 5,528 |
| 1991 | 2,750 | 3,051 | 5,801 |
| 1992 | 3,058 | 3,208 | 6,266 |
| 1993 | 1,327 | 4,716 | 6,043 |
| 1994 | 1,379 | 4,820 | 6,199 |
| 1995 | 1,443 | 5,022 | 6,465 |
| 1996 | 1,416 | 5,117 | 6,533 |
| 1997 | 1,725 | 5,346 | 7,071 |
| 1998 | 2,553 | 5,072 | 7,625 |
| 1999 | 2,635 | 4,736 | 7,371 |
| 2000 | 3,250 | 4,013 | 7,263 |
| 2000 (Jan-Oct) | 2,125 | 2,634 | 4,759 |
| 2001 (Jan-Oct) | 2,443 | 3,707 | 6,150 |

Source: Derived from the statistics provided by Penang Port Sdn Bhd

Gross Registered Tonnage (Domestic & Foreign) in Million

| Year | Domestic | Foreign | Total |
|----------------|----------|---------|-------|
| 1990 | 2.38 | 14.78 | 17.16 |
| 1991 | 2.41 | 15.05 | 17.46 |
| 1992 | 2.81 | 15.33 | 18.14 |
| 1993 | 1.75 | 18.02 | 19.77 |
| 1994 | 1.95 | 23.40 | 25.35 |
| 1995 | 2.06 | 25.26 | 27.32 |
| 1996 | 2.43 | 26.76 | 29.19 |
| 1997 | 2.59 | 28.23 | 30.82 |
| 1998 | 5.29 | 25.93 | 31.22 |
| 1999 | 5.19 | 24.35 | 29.54 |
| 2000 | 7.09 | 21.87 | 28.96 |
| 2000 (Jan-Oct) | 5.80 | 18.08 | 23.88 |
| 2001 (Jan-Oct) | 4.81 | 19.57 | 24.38 |

Source: Derived from the statistics provided by Penang Port Sdn Bhd



Source: Derived from the statistics provided by Penang Port Sdn Bhd

Type of Cargo Handled, 1990-2000

| Year | General Cargo | Dry Bulk | Liquid Bulk | Containerised | Total | Container |
|-------------------|---------------|--------------------------|-------------|---------------|-------|-----------|
| | | (million freight tonnes) | | | | |
| 1990 | 2.21 | 2.06 | 2.73 | 3.85 | 10.85 | 222,441 |
| 1991 | 2.02 | 2.31 | 2.94 | 4.79 | 12.06 | 251,849 |
| 1992 | 1.99 | 2.46 | 3.14 | 5.63 | 13.22 | 303,367 |
| 1993 | 1.96 | 2.90 | 3.28 | 6.22 | 14.36 | 330,915 |
| 1994 | 1.93 | 2.60 | 3.31 | 7.29 | 15.14 | 386,182 |
| 1995 | 2.12 | 2.99 | 3.46 | 8.10 | 16.67 | 433,474 |
| 1996 | 2.11 | 3.20 | 3.52 | 8.67 | 17.50 | 454,765 |
| 1997 | 2.59 | 3.37 | 4.11 | 9.62 | 19.69 | 506,863 |
| 1998 | 1.67 | 2.23 | 3.86 | 8.69 | 16.45 | 510,307 |
| 1999 | 1.85 | 2.77 | 3.99 | 10.15 | 18.76 | 566,409 |
| 2000 | 1.84 | 3.46 | 4.11 | 11.06 | 20.47 | 635,423 |
| 2000 (Jan-Oct) | 1.50 | 2.80 | 3.36 | 9.27 | 16.93 | 635,423 |
| 2001 (Jan-Oct) | 1.69 | 2.98 | 3.30 | 8.86 | 16.82 | 508,717 |

Source: Derived from the statistics provided by Penang Port Sdn Bhd

TOURISM

Penang: Average Occupancy Rate, Number of Registered Guests and Estimated Total Visitor Arrivals

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Average Occupancy Rate | 61.64% | 59.40% | 60.35% | 59.66% | 57.4% | 54.8% |
| Average Occupancy Rate for Beach Hotels | 59.61% | 56.93% | 66.07% | 62.90% | 66.7% | 57.5% |
| Average Occupancy for City Hotels | 64.98% | 63.29% | 52.35% | 56.26% | 50.8% | 53.0% |
| Number of Registered Guests Recorded | 1,966,942 | 1,923,781 | 1,738,385 | 2,169,871 | n.a. | n.a. |
| Estimated Total Visitor Arrivals for the State | 3,444,148 | 3,167,239 | 3,251,141 | 3,519,660 | 3,780,000 | 3,469,943 |
| Estimated Domestic Share | 44.24% | 47.80% | 39.10% | 41.48% | 37.9% | 44.5 |
| Estimated International Share | 55.76% | 52.20% | 60.90% | 58.52% | 62.1% | 55.5 |

Source: Tourism Development Division, PDC & The Penang Hotel Survey Report, DCT Consultancy Services Sdn. Bhd.

PROPERTY

Penang: Median House Prices (Jan-Jun 2001)

| | Terraced | | Semi-Detached | | Detached | | High-Rise | |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------|--------------|
| | Single Storey | Double Storey | Single Storey | Double Storey | Single Storey | Double Storey | Flat | Condo./ Apt. |
| Pulau Pinang | 95,000 | 189,000 | 152,100 | 310,000 | 200,000 | 424,000 | 107,000 | 202,500 |
| Timur Laut | 280,000 | 364,160 | 300,000 | 566,500 | 550,000 | 1,180,000 | 114,800 | 220,000 |
| Barat Daya | 186,500 | 290,000 | 157,000 | 450,000 | 135,000 | 268,000 | 92,500 | 182,000 |
| S Perai Selatan | 77,000 | 140,000 | 102,000 | 160,000 | 143,000 | 413,000 | 43,000 | ND |
| S Perai Tengah | 92,000 | 165,000 | 150,001 | 233,888 | 210,000 | 195,000 | 57,500 | ND |
| S Perai Utara | 120,000 | 170,000 | 175,000 | 230,000 | 135,000 | ND | 77,000 | 131,750 |

Source: Derived from Malaysia House Price Indices

Penang: Number of Transactions by Price Range for the Principal Property Sectors

| | Residential | | Commercial | | Industrial | | Agriculture | | Development Land | | Others | | Total | |
|-------------------|-------------|------|------------|------|------------|------|-------------|------|------------------|------|--------|------|-------|-------|
| | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 |
| 0-25,000 | 247 | 203 | 14 | 10 | 0 | 2 | 398 | 364 | 64 | 61 | 2 | 0 | 725 | 640 |
| 25,001-50,000 | 594 | 581 | 11 | 8 | 1 | 1 | 195 | 198 | 73 | 51 | 2 | 0 | 876 | 839 |
| 50,001-75,000 | 1435 | 1458 | 22 | 33 | 2 | 0 | 119 | 128 | 72 | 26 | 4 | 0 | 1654 | 1645 |
| 75,001-100,000 | 1364 | 1430 | 33 | 40 | 0 | 1 | 90 | 94 | 40 | 9 | 3 | 1 | 1530 | 1575 |
| 100,001-150,000 | 1236 | 1548 | 83 | 77 | 7 | 6 | 91 | 72 | 41 | 29 | 3 | 3 | 1461 | 1735 |
| 150,001-200,000 | 643 | 854 | 110 | 178 | 41 | 20 | 50 | 61 | 30 | 24 | 2 | 0 | 876 | 1137 |
| 200,001-250,000 | 338 | 351 | 131 | 107 | 57 | 38 | 36 | 29 | 20 | 14 | 0 | 0 | 582 | 539 |
| 250,001-500,000 | 507 | 780 | 328 | 254 | 205 | 127 | 55 | 57 | 62 | 52 | 8 | 1 | 1165 | 1271 |
| 500,001-1,000,000 | 126 | 159 | 106 | 97 | 35 | 47 | 23 | 19 | 42 | 34 | 3 | 0 | 335 | 356 |
| 1,000,000 & above | 16 | 29 | 11 | 19 | 17 | 23 | 23 | 9 | 95 | 32 | 6 | 0 | 168 | 112 |
| Total | 6506 | 7393 | 849 | 823 | 365 | 265 | 1080 | 1031 | 539 | 332 | 33 | 5 | 9372 | 9849 |
| (% Breakdown) | 69.4 | 75.1 | 9.1 | 8.4 | 3.9 | 2.7 | 11.5 | 10.5 | 5.8 | 3.4 | 0.4 | 0.1 | 100.0 | 100.0 |

Source: Derived from Malaysia House Price Indices, Jan-Jun 1998, Jul-Dec 1999, and series of Property Market Reports

Penang: House Price Indices

Index 1990 = 100

| Year | Indices | | | | |
|-------------------|----------|---------------|----------|-----------|------------|
| | Terraced | Semi-Detached | Detached | High-Rise | All Houses |
| 1988 | 90.0 | 87.2 | 72.9 | 77.9 | 87.7 |
| 1989 | 92.0 | 92.5 | 77.5 | 88.1 | 92.2 |
| 1990 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1991 | 110.6 | 111.3 | 118.2 | 117.6 | 111.7 |
| 1992 | 113.9 | 116.0 | 135.1 | 125.5 | 115.7 |
| 1993 | 118.5 | 125.3 | 145.2 | 132.7 | 124.3 |
| 1994 | 126.0 | 143.3 | 162.5 | 145.0 | 132.5 |
| 1995 | 149.7 | 151.1 | 180.9 | 160.0 | 145.0 |
| 1996 | 153.7 | 170.0 | 197.2 | 156.4 | 152.1 |
| 1997 | 165.7 | 184.6 | 206.1 | 170.8 | 169.2 |
| 1998 | 157.7 | 167.3 | 179.2 | 162.7 | 159.4 |
| 1999 | 161.0 | 169.3 | 173.4 | 163.4 | 165.4 |
| 2000 | 193.7 | 190.2 | 188.3 | 167.1 | 183.1 |
| 2001 (Jan-Jun) | 201.1 | 193.3 | 177.9 | 150.4 | 181.1 |

Source: Derived from Malaysia House Price Indices, Jan-Jun 1998, Jul-Dec 1999, and series of Property Market Reports

EDUCATION

Penang: Number of Schools, Students and Teachers at the Primary Level

| Type of School | No. of Schools | | | No. of Students | | | No. of Teachers | | |
|----------------|----------------|------------|------------|-----------------|----------------|----------------|-----------------|--------------|--------------|
| | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 |
| SK/SRK | 123 | 127 | 124 | 80,642 | 80,230 | 83,148 | 4,221 | 4,200 | 3,563 |
| SRJK(C) | 90 | 90 | 90 | 55,329 | 53,808 | 55,572 | 2,538 | 2,607 | 789 |
| SRJK(T) | 28 | 28 | 28 | 4,761 | 4,848 | 4,954 | 342 | 346 | 2,610 |
| SR Khas | 3 | 3 | 3 | 200 | 164 | 161 | 53 | 45 | 52 |
| Total | 244 | 248 | 255 | 140,932 | 139,050 | 143,865 | 7,154 | 7,198 | 7,348 |

Source: Jabatan Pendidikan Pulau Pinang

Penang: Number of Schools, Students and Teachers at the Secondary Level

| Type of School | No. of Schools | | | No. of Students | | | No. of Teachers | | |
|------------------------|----------------|-----------|-----------|-----------------|----------------|----------------|-----------------|--------------|--------------|
| | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 |
| SM Biasa | 71 | 75 | 83 | 103,308 | 104,295 | 102,394 | 5,669 | 5,837 | 5,869 |
| SM (Asrama Penuh) | 1 | 1 | 1 | 668 | 624 | 580 | 75 | 72 | 66 |
| SM Khas | 1 | 1 | 1 | 215 | 197 | 202 | 198 | 44 | 40 |
| SM Vokasional & Teknik | 5 | 5 | 6 | 3,434 | 2,299 | 2,193 | 44 | 343 | 352 |
| SM Agama | 4 | 4 | 4 | 2,586 | 2,958 | 2,532 | 318 | 206 | 215 |
| Total | 82 | 86 | 95 | 110,211 | 110,373 | 107,901 | 6,304 | 6,502 | 6,542 |

Source: Jabatan Pendidikan Pulau Pinang

HEALTH

Life Expectancy (Peninsula Malaysia):

| | |
|--------|------------|
| Male | 69.6 years |
| Female | 74.6 years |

Vital Statistics of Penang (per thousand):

| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000(f) |
|-------------------------|------|------|------|------|------|------|------|------|------|---------|
| Crude Birth Rate | 22.3 | 21.9 | 21.5 | 22.8 | 24.9 | 23.6 | 21.8 | 20.8 | 20.9 | 19.00 |
| Crude Death Rate | 5.5 | 4.5 | 5.3 | 6.3 | 5.9 | 6.4 | 6.2 | 6.2 | 6.09 | 6.00 |
| Infant Mortality Rate | 8.2 | 8.7 | 9.0 | 8.7 | 7.2 | 7.5 | 7.0 | 6.2 | 5.55 | 5.31 |
| Prenatal Mortality Rate | 12.6 | 13.9 | 12.8 | 12.5 | 9.9 | 9.5 | 8.6 | 8.3 | 8.97 | 7.35 |
| Neonatal Mortality Rate | 6.3 | 6.2 | 6.8 | 6.3 | 5.0 | 5.3 | 4.9 | 4.1 | 3.98 | 4.90 |
| Toddler Mortality Rate | 0.4 | 0.5 | 0.4 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.19 | 0.15 |
| Maternal Mortality Rate | 0.5 | 0.4 | 0.3 | 0.6 | 0.3 | 0.3 | 0.4 | 0.5 | 0.16 | 0.16 |

(f): Forecast

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

Penang: Ratio of Medical Professionals – Population

| | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000(f) |
|---------|---------|--------|--------|--------|--------|--------|--------|---------|
| Doctor | 1:1435 | 1:1514 | 1:1482 | 1:1432 | 1:1353 | 1:1244 | 1:1194 | 1:1145 |
| Dentist | 1:11932 | 1:9365 | 1:9576 | 1:8882 | 1:9258 | 1:9425 | 1:8203 | 1:7871 |
| Nurse | 1:606 | 1:713 | 1:669 | 1:677 | 1:728 | 1:689 | 1:633 | 1:600 |

(f): Forecast

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

Penang: Health Facilities 1996-2000

| | 1996 | 1997 | 1998 | 1999 | 2000 |
|-------------------------------|------|------|------|------|------|
| Government Hospital | 5 | 5 | 5 | 5 | 5 |
| Private Hospital | 10 | 11 | 11 | 11 | 11 |
| Private Maternity Home | 8 | 7 | 7 | 8 | 8 |
| Polyclinic | 6 | 6 | 6 | 6 | 6 |
| Mother & Child Health Care | 12 | 12 | 12 | 12 | 12 |
| Health Centre | 16 | 16 | 16 | 16 | 16 |
| Rural Clinics | 28 | 28 | 61 | 61 | 61 |
| Midwives-quarters-cum-clinics | 38 | 38 | 3 | 3 | 3 |

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

Penang: No. of Hospital Beds (Government & Private) According to Administrative District

| District | 1998 | | | 1999 | | | 2000 | | |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|------------|
| | Govt | Private | Total | Govt | Private | Total | Govt | Private | Total |
| Timur Laut | 1276 | 1523 | 2799 | 1236 | 1394 | 2630 | 1236 | n.a | n.a |
| Barat Daya | 71 | 50 | 121 | 71 | 50 | 121 | 314 | n.a | n.a |
| S. Perai Utara | 0 | 200 | 200 | 314 | 198 | 198 | 260 | n.a | n.a |
| S. Perai Tengah | 546 | 115 | 661 | 260 | 115 | 689 | 130 | n.a | n.a |
| S. Perai Selatan | 130 | 0 | 130 | 130 | 0 | 130 | 71 | n.a | n.a |
| Total | 2023 | 1888 | 3911 | 2011 | 1757 | 3768 | 2011 | n.a | n.a |

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

Penang: HIV/AIDS (Total Identified Cases)

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 (Jan-Jun) |
|------|--------|--------|--------|--------|---------|-------------------|
| HIV | 174 | 194 | 215 | 187 | 225 | 88 |
| AIDS | 14(13) | 24(24) | 27(27) | 52(35) | 105(55) | 33(24) |

Note: () = deaths

Source: Penang State Health Department