

# Penang Statistics

## Quarter 1, 2006



Submitted to the Penang State Government  
by  
Socio-Economic & Environmental Research Institute  
10 Brown Road, 10350 Penang  
Tel: (04) 228 3306 Fax: 226 7042  
E-mail: seripg@tm.net.my  
Website: <http://www.seri.com.my>

## CONTENTS

### **PHYSICAL ATTRIBUTES**

|                          |   |
|--------------------------|---|
| Area, Location & Climate | 3 |
|--------------------------|---|

### **DEMOGRAPHY**

|  |   |
|--|---|
| Penang: Estimated Population (in '000) and Distribution by Districts | 3 |
| Penang: Estimated Population by Sex (in '000)                        | 3 |
| Penang: Estimated Population by Ethnic Group (in '000)               | 4 |

### **ECONOMIC**

|   |   |
|---|---|
| Penang: Gross Domestic Product (in 1987 – Constant Prices)  | 5 |
| Penang: Sectoral Share of Gross Regional Product (%)  | 5 |
| Penang: Gross Regional Product by Economic Sectors for Quarter 4 2004 & Quarter 4 2005                      | 5 |
| Penang: Gross Domestic Product Per Capita (In Current Prices) and Ratio of State to National Per Capita GDP | 6 |

### **EMPLOYMENT**

|   |   |
|---|---|
| Penang: Percentage of Employed Persons by Industry (%), 2001 – 2004                             | 6 |
| Penang: Percentage Distribution of Employed Persons by Economic Sectors and Gender, 2002 - 2003 | 7 |
| Penang: Labour Force Participation Rate by Gender and Ethnic Group (%), 2002 - 2003             | 7 |

### **PRIMARY SECTOR**

#### **AGRICULTURE**

|  |   |
|--|---|
| Penang: Agriculture Areas (In Hectares), 1998 - 2003 | 8 |
|--|---|

#### **LIVESTOCK**

|  |   |
|--|---|
| Penang: Livestock Survey, 2002 - 2004                  | 8 |
| Penang: Production and Value of Livestock, 2003 - 2004 | 9 |

#### **FISHERIES**

|   |    |
|---|----|
| Penang: Landings of Marine Fish, 1990 - 2005          | 9  |
| Penang: Aquaculture Production and Value, 1991 - 2005 | 10 |

### **SECONDARY SECTOR**

#### **MANUFACTURING**

|   |    |
|---|----|
| Penang: Approved Manufacturing Projects, Employment & Capital Investment, 1990 - 2005 | 10 |
| Penang: Approved Manufacturing Projects By Industry, 2003 - 2005                      | 11 |
| Approved Manufacturing Projects And Investment By State, 2001 - 2005                  | 11 |

### **TERTIARY SECTOR**

#### **UTILITIES**

##### **WATER**

|   |    |
|---|----|
| Penang: Water Output And Consumption ('000 cubic metres), 1991 - 2005 | 12 |
| Penang: Daily Water Supply, 2004 - 2005                               | 13 |

##### **ELECTRICITY**

|   |    |
|---|----|
| Penang: Electricity Supplied and Consumed | 13 |
| Penang: Power Demand & Supply             | 13 |

##### **TELECOMMUNICATIONS**

|   |    |
|---|----|
| Direct Exchange Line (DEL) Penetration Rate by State, 2003 - 2005 | 14 |
| Internet Dial-Up Penetration Rate by State, 2003 - 2005           | 15 |
| Percentage Share of Hand Phone Subscriber Base, 2005              | 16 |

### **TRANSPORT**

#### **ROAD TRANSPORT**

|                                      |    |
|--------------------------------------|----|
| New Motor Vehicle Registration, 2005 | 17 |
| Motor Vehicle Re-registration, 2005  | 17 |

**TRADE****TRADE BALANCE**

|   |    |
|---|----|
| Export, Import & Balance of Trade, 2004 - 2005 (RM million) | 18 |
|---|----|

**AIRPORT**

|  |    |
|--|----|
| Aircraft Movement per annum, 1991 - 2006                               | 19 |
| Number of Passengers (Domestic & International) per annum, 1991 - 2006 | 19 |
| Cargo Handled (Domestic & International) per annum, 1991 - 2006        | 20 |

**PORT**

|  |    |
|--|----|
| Annual Number of Shipcalls, 1990 – 2005                    | 21 |
| Gross Registered Tonnage (Domestic & Foreign), 1990 – 2005 | 21 |
| Type of Cargo Handled, 1990 – 2005                         | 22 |

**TOURISM**

|   |    |
|---|----|
| Penang: Average Occupancy Rate, Number of Registered Guests and Estimated Total Visitor Arrivals, 2000 – 2004 | 23 |
|---|----|

**PROPERTY**

|  |    |
|--|----|
| Penang: House Price Index, 1988 - 2003                                     | 23 |
| Penang: Number of Property Transactions by Sector, 2004 & 2005             | 24 |
| Penang: Value of Property Transactions by Sector, 2004 & 2005 (RM Million) | 24 |

**EDUCATION**

|   |    |
|---|----|
| Penang: Number of Schools, Students & Teachers At The Primary Level, Jan 2005   | 25 |
| Penang: Number of Schools, Students & Teachers At The Secondary Level, Jan 2005 | 25 |
| Penang: Number of Students Taking Public Exams and Passing Rates, 2002 - 2003   | 25 |
| Penang: Number of Private Education Institutions (as of 31 December 2004)       | 25 |

**HEALTH**

|   |    |
|---|----|
| Life Expectancy at Birth (Malaysia)   | 26 |
| Life Expectancy at Birth (Penang)   | 26 |
| Vital Statistics of Penang (per thousand), 1994 - 2004  | 26 |
| Penang: Ratio of Medical Professionals-Population, 1994 - 2003  | 26 |
| Penang: Health Facilities, 1998 - 2004  | 26 |
| Penang: Number Of Hospital Beds (Government & Private) and Ratio of Hospital Beds to Population, 2004           | 27 |
| Penang: Number of Beds, Bed Occupancy Rate (BOR) & Average Length of Stay (ALOS) for Government Hospitals, 2004 | 27 |
| Penang: HIV / AIDS (Total Identified Cases), 1999 - 2004  | 27 |
| Penang: 10 Main Causes of Hospital Deaths (Government), 2003  | 27 |

**SELECTED NATIONAL STATISTICS**

|   |    |
|---|----|
| Malaysia: Gross Domestic Product by Sector (Current Prices & 1987 Prices) | 28 |
| Malaysia: Currency Exchange Rates   | 28 |
| Malaysia: National Indices & Employment Data                              | 29 |
| Malaysia: Federal Government Accounts                                     | 29 |
| Malaysia: Producer Price Index  | 29 |
| Malaysia: Consumer Price Index  | 30 |
| Malaysia: Index of Industrial Production                                  | 31 |

*Disclaimer :*

*All data are correct at the time of publication and are subject to adjustments and revision by the respective sources. The Socio-economic & Environmental Research Institute (SERI) will not be responsible for any loss or damage caused by the usage of any information obtained from this publication.*

# PHYSICAL ATTRIBUTES

**Area:**

|                        |                    |
|------------------------|--------------------|
| <i>State of Penang</i> | <b>1,030 sq km</b> |
| Timur Laut             | 119 sq km          |
| Barat Daya             | 173 sq km          |
| Seberang Perai Utara   | 262 sq km          |
| Seberang Perai Tengah  | 235 sq km          |
| Seberang Perai Selatan | 241 sq km          |

**Location:**

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

# DEMOGRAPHY

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

| District               | 1991           | 2000           | 2004           | 2005           | 2006           |
|------------------------|----------------|----------------|----------------|----------------|----------------|
|                        | (census)       | (census)       | (estimate)     | (estimate)     | (estimate)     |
| Timur Laut             | 395.7          | 444.9          | 476.2          | 483.0          | 486.6          |
| Barat Daya             | 122.8          | 169.4          | 191.3          | 195.5          | 201.5          |
| Seberang Perai Utara   | 224.6          | 259.8          | 283.4          | 288.0          | 292.8          |
| Seberang Perai Tengah  | 236.3          | 313.6          | 348.8          | 356.0          | 362.4          |
| Seberang Perai Selatan | 84.8           | 125.7          | 143.1          | 146.3          | 149.1          |
| <b>State of Penang</b> | <b>1,064.2</b> | <b>1,313.4</b> | <b>1,442.8</b> | <b>1,468.8</b> | <b>1,492.4</b> |

Source: State Population Report, Penang, 1991, Department of Statistics (DOS), Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics, DOS, Malaysia; DOS, Penang.

Note: Slight discrepancies may occur due to rounding.

**Penang: Estimated Population by Sex (in '000)**

| Gender       | 1991           | 2000           | 2004           | 2005           | 2006           |
|--------------|----------------|----------------|----------------|----------------|----------------|
|              | (census)       | (census)       | (estimate)     | (estimate)     | (estimate)     |
| Male         | 526.0          | 654.1          | 715.2          | 727.3          | 738.2          |
| Female       | 538.1          | 659.4          | 727.6          | 741.5          | 754.2          |
| <b>Total</b> | <b>1,064.2</b> | <b>1,313.4</b> | <b>1,442.8</b> | <b>1,468.8</b> | <b>1,492.4</b> |

Source: State Population Report, Penang, 1991, DOS, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics, DOS, Malaysia; DOS, Penang.

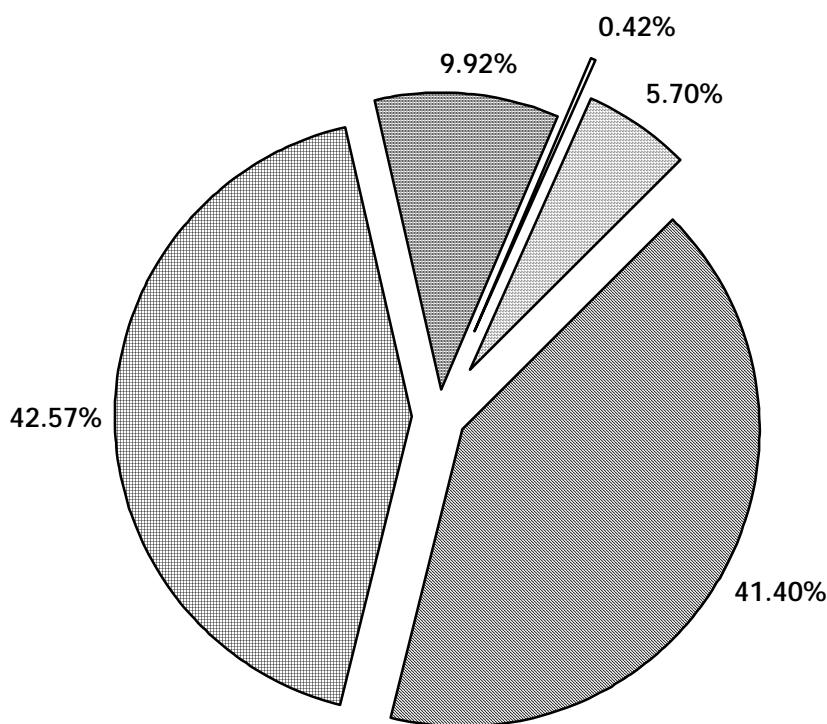
Note: Slight discrepancies may occur due to rounding.

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

| Ethnic Group           | 1991<br>(census) | 2000<br>(census) | 2004<br>(estimate) | 2005<br>(estimate) | 2006<br>(estimate) |
|------------------------|------------------|------------------|--------------------|--------------------|--------------------|
| Malaysian:             | 1,048.3          | 1,265.1          | 1,370.1            | 1390.6             | 1,407.4            |
| Malays                 | 405.4            | 533.1            | 587.3              | 600.3              | 612.3              |
| Other Bumiputera       | 1.1              | 3.9              | 5.0                | 5.3                | 5.6                |
| Chinese                | 523.2            | 588.7            | 626.4              | 631.8              | 635.3              |
| Indians                | 112.8            | 133.9            | 145.4              | 147.1              | 148.0              |
| Others                 | 5.8              | 5.4              | 6.0                | 6.1                | 6.2                |
| Non-Malaysian Citizens | 15.9             | 48.4             | 72.7               | 78.2               | 85.0               |
| <b>Total</b>           | <b>1,064.2</b>   | <b>1,313.4</b>   | <b>1,442.8</b>     | <b>1,468.8</b>     | <b>1,492.4</b>     |

Source: State Population Report, Penang, 1991, DOS, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics, DOS, Malaysia; DOS, Penang.

Note: Slight discrepancies may occur due to rounding.

**Population By Ethnic Group, 2006**

■ Bumiputera ■ Chinese ■ Indian ■ Others ■ Non-Malaysian

Source: Department Of Statistics, Penang

# ECONOMIC

## Penang: Gross Regional Product (In 1987 – Constant Prices)

| (RM Million)                   | 2003   | 2004 (e) | 2005(e) |
|--------------------------------|--------|----------|---------|
| Agriculture, forestry, fishing | 296    | 309      | 318     |
| Mining & Quarrying             | 193    | 179      | 173     |
| Manufacturing                  | 7,762  | 8,505    | 9,007   |
| Construction                   | 393    | 349      | 343     |
| Tertiary                       | 10,147 | 10,691   | 11,289  |
| Total                          | 18,790 | 20,032   | 21,128  |
| Growth Rate                    |        | 6.6%     | 5.5%    |

Source: SERI

Note: Slight discrepancies may occur due to rounding. As of 2003, the GRP projections by SERI are rightfully driven on the demand side and would therefore reflect business cycle effects. Before this, the GRP projections were calculated on the basis of potential output (labour input, land availability, capacity, etc.) by the various supply sectors (agriculture, manufacturing, mining & quarrying, construction and tertiary). Obviously, there will be an expected mismatch between the two projection methods largely because demand projections will be effected by business conditions and consumer sentiments whereas the supply side is affected by changing productive capacity. We have noticed that our supply side projections for 2003 have resulted in a shortfall by about 3% relative to the demand side. About half of this shortfall results from stock changing conditions, which are similarly found in the national GDP figures. What this means is that output in any given year does not necessarily enter into the final demand categories (consumption, investment and trade) in the same year. Instead unsold output is carried on to the following year, which thus implies that demand in any year will also be met from output from the previous year. The net effect is registered in the national accounts as change in stock. The other half is caused by an underestimate of the productivity figures (such as output per unit land or output per unit labour etc.) used in the GRP projections. To calculate the growth between 2003 (supply projection) and 2004 (demand projection), the supply side is normalized by rebasing it with a 1.03 (i.e. 3% factor) so that the real growth rate could be meaningfully calculated.

## Penang: Sectoral Share of Gross Regional Product (%)

|                                | 2003  | 2004(e) | 2005(f) |
|--------------------------------|-------|---------|---------|
| Agriculture, forestry, fishing | 1.57  | 1.54    | 1.51    |
| Mining & Quarrying             | 1.03  | 0.89    | 0.82    |
| Manufacturing                  | 41.31 | 42.46   | 42.63   |
| Construction                   | 2.09  | 1.74    | 1.62    |
| Tertiary                       | 54.00 | 53.37   | 53.43   |
| Total                          | 100.0 | 100.0   | 100.0   |

Source: SERI

## Penang: Gross Regional Product by Economic Sectors for Quarter 4 2004 & Quarter 4 2005

| Sectors                         | Penang Sect Share (%) |         | Volume (RM Million in 1987 Prices) |         | Relative Growth Rate Q404 – Q405 |
|---------------------------------|-----------------------|---------|------------------------------------|---------|----------------------------------|
|                                 | Q404                  | Q405    | Q404                               | Q405    |                                  |
| Agriculture, Forestry & Fishing | 1.55%                 | 1.52%   | 78.4                               | 81.1    | 3.5%                             |
| Mining & Quarrying              | 0.85%                 | 0.80%   | 43.0                               | 42.8    | -0.5%                            |
| Manufacturing                   | 42.50%                | 42.79%  | 2,150.0                            | 2,298.4 | 6.9%                             |
| Construction                    | 1.60%                 | 1.54%   | 80.9                               | 82.9    | 2.5%                             |
| Services                        | 53.50%                | 53.36%  | 2,706.5                            | 2,866.2 | 5.9%                             |
| Total                           | 100.00%               | 100.00% | 5,058.8                            | 5,371.4 | 6.2%                             |

Source: SERI

**Penang: Gross Regional Product Per Capita (In Real Prices) and Ratio of State to National Per Capita GDP**

|   | 2000      | 2001      | 2002      | 2003      | 2004      | 2005      |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| GRP per capita(RM)                        | 13,101.72 | 12,309.64 | 12,588.48 | 13,261.67 | 13,884.11 | 14,384.57 |
| Ratio of State to national per capita GDP | 1.46      | 1.40      | 1.40      | 1.43      | 1.43      | 1.47      |

Source: SERI

\* Please note that GRP per capita for Penang and its ratio to the national per capita GDP were previously quoted in current prices

## EMPLOYMENT

**Penang: Percentage of Employed Persons by Industry (%), 2001 - 2004**

| Industry   | 2001  | 2002  | 2003  | 2004  |
|--|-------|-------|-------|-------|
| Agriculture , hunting and forestry   | 1.5   | 1.8   | 1.2   | 2.4   |
| Fishing  | 0.7   | 0.6   | 0.8   | 1.5   |
| Mining and quarrying   | 0.2   | 0.0   | 0.1   | 0.1   |
| Manufacturing  | 40.8  | 40.4  | 37.1  | 37.7  |
| Electricity, gas and water supply  | 0.5   | 0.4   | 0.5   | 0.4   |
| Construction   | 6.4   | 7.0   | 6.6   | 7.1   |
| Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods | 15.6  | 16.0  | 16.4  | 15.0  |
| Hotels and restaurants   | 7.4   | 6.8   | 8.6   | 8.2   |
| Transport, storage and communication   | 4.7   | 5.3   | 5.3   | 5.5   |
| Financial intermediation   | 2.3   | 2.6   | 2.3   | 2.2   |
| Real estate, renting and business activities   | 4.4   | 4.3   | 4.5   | 4.2   |
| Public administration and defense; compulsory social security                                      | 4.2   | 3.9   | 4.2   | 3.5   |
| Education  | 4.2   | 4.2   | 4.7   | 5.0   |
| Health and social work   | 2.8   | 2.6   | 2.6   | 1.9   |
| Other community, social and personal service   | 2.0   | 1.9   | 2.1   | 2.2   |
| Private households with employed persons   | 2.4   | 2.3   | 2.9   | 3.1   |
| Extra-territorial organisations and bodies   | 0.0   | 0.0   | 0.0   | 0.0   |
| <b>Total</b>   | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Labour Force Survey, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

**Penang: Percentage Distribution of Employed Persons by Economic Sectors and Gender, 2002 – 2003 (%)**

| Industry   | 2002         |              | 2003         |              |
|--|--------------|--------------|--------------|--------------|
|  | Male         | Female       | Male         | Female       |
| Agriculture, hunting and forestry  | 2.7          | 0.5          | 1.8          | 0.4          |
| Fishing  | 0.9          | 0.1          | 1.3          | 0.0          |
| Mining and quarrying   | 0.1          | 0            | 0.1          | 0.1          |
| Manufacturing  | 37.9         | 44.2         | 33.8         | 42.3         |
| Electricity, gas and water supply  | 0.6          | 0.1          | 0.8          | 0.2          |
| Construction   | 10.7         | 1.2          | 10.3         | 0.9          |
| Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods | 17.6         | 13.5         | 18.5         | 13.3         |
| Hotels and restaurants   | 6.5          | 7.2          | 8.8          | 8.3          |
| Transport, storage and communication   | 7.6          | 1.7          | 7.3          | 2.1          |
| Financial intermediation   | 1.9          | 3.5          | 1.9          | 2.8          |
| Real estate, renting and business activities   | 4.1          | 4.6          | 4.1          | 5.2          |
| Public administration and defense; compulsory social security                                      | 4.8          | 2.6          | 5.3          | 2.5          |
| Education  | 2.2          | 7.3          | 2.8          | 7.8          |
| Health and social work   | 0.9          | 5.3          | 1.3          | 4.7          |
| Other community, social and personal service   | 1.6          | 2.4          | 2.1          | 2.2          |
| Private households with employed persons   | 0.0          | 5.8          | 0.1          | 7.3          |
| Extra-territorial organizations and bodies   | 0            | 0            | 0            | 0            |
| <b>Total (%)</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |
| <b>Total ('000 persons)</b>  | <b>389.2</b> | <b>253.9</b> | <b>407.5</b> | <b>266.8</b> |

Source: Labour Force Survey, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

**Penang: Labour Force Participation Rate by Gender and Ethnic Group (%), 2002 - 2003**

|              | 2002        |             |             | 2003        |             |             |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              | Male        | Female      | Total       | Male        | Female      | Total       |
| Bumiputera   | 83.6        | 54.4        | 68.2        | 80.1        | 51.6        | 65.5        |
| Chinese      | 83.1        | 50.3        | 66.8        | 80.9        | 50.7        | 65.8        |
| Indian       | 80.9        | 48.7        | 65.4        | 84.7        | 46.6        | 66.6        |
| Others       | 96.6        | 85.0        | 91.1        | 97.3        | 85.4        | 90.0        |
| <b>Total</b> | <b>83.8</b> | <b>53.4</b> | <b>68.4</b> | <b>81.6</b> | <b>52.2</b> | <b>66.7</b> |

Source: Labour Force Survey, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

# PRIMARY SECTOR

## AGRICULTURE

**Penang: Agriculture Areas (hectares), 1998-2003**

| Type       | Year   |        |        |        |        |        |
|------------|--------|--------|--------|--------|--------|--------|
|            | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   |
| Rubber     | 13,487 | 13,097 | 13,013 | 12,758 | 12,758 | 12,758 |
| Oil Palm   | 15,158 | 13,182 | 13,018 | 12,988 | 12,988 | 12,988 |
| Padi       | 14,351 | 28,125 | 28,125 | 13,448 | 13,448 | 13,448 |
| Coconut    | 2,479  | 2,481  | 2,364  | 2,339  | 2,309  | 2,313  |
| Cocoa      | 143    | 141    | 104    | 104    | 75     | 75     |
| Vegetables | 1,778  | 1,711  | 1,566  | 1,718  | 1,545  | 404    |
| Fruits     | 6,929  | 7,397  | 7,283  | 6,830  | 6,760  | 6,802  |
| Cloves     | 69     | 87     | 67     | 52     | 41     | 41     |
| Nutmeg     | 86     | 81     | 82     | 75     | 70     | 38     |
| Cash Crops | 474    | 416    | 197    | 247    | 190    | 242    |
| Others     | n.a.   | n.a.   | 438    | 87     | 55     | 89     |
| Total      | 54,954 | 66,718 | 66,257 | 50,646 | 50,240 | 49,199 |

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

Note: Slight discrepancies may occur due to rounding.

## LIVESTOCK

**Penang: Livestock Survey, 2002-2004**

| Type of livestock | 2002                     |                  | 2003                     |                  | 2004                     |                  |
|-------------------|--------------------------|------------------|--------------------------|------------------|--------------------------|------------------|
|                   | No. of Livestock Farmers | No. of Livestock | No. of Livestock Farmers | No. of Livestock | No. of Livestock Farmers | No. of Livestock |
| Buffalo           | 33                       | 282              | 34                       | 300              | 24                       | 351              |
| Cow               | 893                      | 9,888            | 896                      | 10,886           | 837                      | 9,468            |
| Goat              | 165                      | 3,891            | 142                      | 3,763            | 182                      | 4,592            |
| Lamb              | 27                       | 653              | 29                       | 695              | 25                       | 415              |
| Pig               | 273                      | 298,674          | 246                      | 297,923          | 235                      | 292,130          |
| Chicken           | 368                      | 9,601,730        | 454                      | 14,177,026       | 357                      | 9,496,590        |
| Duck              | 42                       | 266,335          | 49                       | 456,100          | 31                       | 159,000          |
| Quail             | 15                       | 80,000           | 2                        | 9,600            | 7                        | 67,600           |

Source: Livestock Survey , 2002 , 2003 & 2004 Department of Veterinary Services, Penang

**Penang: Production and Value of Livestock, 2003 - 2004**

| Commodity   | 2003                          |                       |        | 2004                          |                       |        |
|-------------|-------------------------------|-----------------------|--------|-------------------------------|-----------------------|--------|
|             | Production<br>(Metric Tonnes) | Value<br>(RM Million) | %      | Production<br>(Metric Tonnes) | Value<br>(RM Million) | %      |
| <b>Meat</b> |                               |                       |        |                               |                       |        |
| Cow         | 989.84                        | 11.78                 | 2.15   | 848.94                        | 10.10                 | 2.41   |
| Buffalo     | 17.20                         | 0.20                  | 0.04   | 57.69                         | 0.69                  | 0.16   |
| Goat / Lamb | 29.06                         | 0.35                  | 0.06   | 21.82                         | 0.26                  | 0.06   |
| Pig         | 19,889.59                     | 108.40                | 19.78  | 18,176.50                     | 99.06                 | 23.67  |
| Chicken     | 73,857.00                     | 339.74                | 61.99  | 49,583.88                     | 228.09                | 54.50  |
| Duck        | 3,182.11                      | 15.43                 | 2.82   | 414.57                        | 2.01                  | 0.48   |
| Quail       | 2.91                          | 0.03                  | 0.01   | 12.07                         | 0.11                  | 0.03   |
| Rabbit      | 0.79                          | 0.01                  | 0.00   | 1.60                          | 0.02                  | 0.00   |
| <b>Eggs</b> | <i>(No. of eggs)</i>          |                       |        | <i>(No. of eggs)</i>          |                       |        |
| Chicken     | 350,330,280                   | 70.07                 | 12.78  | 284,998,820                   | 71.25                 | 17.03  |
| Duck        | 6,440,000                     | 1.61                  | 0.29   | 10,848,000                    | 4.34                  | 1.04   |
| Quail       | 1,356,000                     | 0.12                  | 0.02   | 20,120,000                    | 2.21                  | 0.53   |
| <b>Milk</b> | <i>(Liter)</i>                |                       |        | <i>(Liter)</i>                |                       |        |
| Fresh milk  | 455,440.00                    | 0.34                  | 0.06   | 455,440                       | 0.34                  | 0.08   |
|             | <b>Total</b>                  | 548.08                | 100.00 | <b>Total</b>                  | 418.48                | 100.00 |

Source: Livestock Survey 2003 & 2004, Department of Veterinary Services, Penang

**FISHERIES****Penang: Landings of Marine Fish, 1990-2005**

| Year | Quantity<br>('000 tonnes) | Value<br>(RM million) |
|------|---------------------------|-----------------------|
| 1990 | 52.36                     | 90.54                 |
| 1991 | 28.42                     | 91.44                 |
| 1992 | 33.77                     | 119.97                |
| 1993 | 33.77                     | 111.43                |
| 1994 | 40.80                     | 130.71                |
| 1995 | 46.18                     | 151.24                |
| 1996 | 37.61                     | 154.88                |
| 1997 | 37.53                     | 158.79                |
| 1998 | 35.47                     | 189.18                |
| 1999 | 34.79                     | 137.84                |
| 2000 | 35.90                     | 148.27                |
| 2001 | 35.07                     | 139.27                |
| 2002 | 31.99                     | 130.10                |
| 2003 | 32.21                     | 147.48                |
| 2004 | 30.76                     | 121.48                |

|          |       |        |
|----------|-------|--------|
| 2005 (e) | 31.81 | 120.60 |
|----------|-------|--------|

Source: Department of Fisheries, Penang

### Penang: Aquaculture Production and Value, 1991 - 2005

| Year               | Freshwater Pond Aquaculture |        | Brackishwater Cage Culture |        | Cockle Culture |        | Brackishwater Pond Culture |        |
|--------------------|-----------------------------|--------|----------------------------|--------|----------------|--------|----------------------------|--------|
|                    | MT                          | RM Mil | MT                         | RM Mil | MT ('000)      | RM Mil | MT                         | RM Mil |
| 1991               | 49.29                       | 0.15   | 762.46                     | 10.56  | 8.29           | 3.22   | 78.76                      | 0.80   |
| 1992               | 45.06                       | 0.13   | 862.48                     | 10.39  | 7.59           | 2.95   | 401.8                      | 10.39  |
| 1993               | 54.03                       | 0.16   | 1,642.93                   | 19.47  | 14.62          | 6.47   | 555.86                     | 6.12   |
| 1994               | 50.44                       | 0.19   | 1,173.36                   | 16.03  | 14.59          | 7.26   | 567.32                     | 5.92   |
| 1995               | 31.10                       | 0.12   | 1,105.10                   | 15.29  | 15.30          | 7.61   | 606.37                     | 10.91  |
| 1996               | 76.30                       | 0.25   | 1,090.69                   | 13.43  | 16.43          | 8.13   | 835.65                     | 13.98  |
| 1997               | 108.01                      | 0.38   | 1,145.67                   | 14.61  | 13.11          | 9.59   | 643.05                     | 11.96  |
| 1998               | 106.96                      | 0.41   | 1,836.16                   | 17.7   | 13.17          | 9.14   | 957.12                     | 15.08  |
| 1999               | 110.68                      | 0.33   | 1,247.42                   | 14.45  | 13.99          | 9.73   | 498.76                     | 8.82   |
| 2000               | 236.49                      | 0.67   | 1,313.56                   | 19.14  | 13.12          | 9.18   | 407.96                     | 7.57   |
| 2001               | 191.39                      | 0.60   | 2,093.25                   | 28.84  | 11.6           | 8.12   | 778.02                     | 12.74  |
| 2002               | 270.42                      | 0.81   | 2,308.53                   | 33.04  | 9.05           | 6.33   | 780.19                     | 14.82  |
| 2003               | 348.99                      | 1.04   | 2,617.44                   | 41.92  | 9.42           | 6.60   | 859.01                     | 17.33  |
| 2004               | 721.82                      | 2.01   | 2,089.11                   | 36.95  | 8.06           | 7.99   | 1,060.39                   | 17.71  |
| 2005<br>(Jan-Sept) | 719.25                      | 1.78   | 1,167.65                   | 20.36  | 7.90           | 7.58   | 979.24                     | 15.28  |

MT= Metric Tonnes

Source: Department of Fisheries, Penang

## SECONDARY SECTOR

### MANUFACTURING

#### Penang: Approved Manufacturing Projects, Employment & Capital Investment, 1990-2005

| Year | Approved Projects |        |               | Potential Employment | Capital Investment (RM Million) |
|------|-------------------|--------|---------------|----------------------|---------------------------------|
|      | Malaysia          | Penang | % of national |                      |                                 |
| 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               | 2,685.29                        |
| 1999 | 725               | 95     | 13.1          | 14,928               | 4,777.80                        |
| 2000 | 798               | 132    | 16.5          | 15,327               | 4,459.60                        |
| 2001 | 928               | 124    | 13.4          | 14,630               | 3,837.30                        |
| 2002 | 792               | 110    | 13.9          | 13,487               | 2,398.30                        |
| 2003 | 965               | 137    | 14.2          | 9,890                | 1,923.00                        |
| 2004 | 1,101             | 144    | 13.1          | 9,235                | 2,030.15                        |
| 2005 | 1,026             | 148    | 14.4          | 21,904               | 4,808.18                        |

Source: MIDA Penang

Note: Slight discrepancies may occur due to rounding. Data is subject to adjustments and revisions by MIDA.

## Penang: Approved Manufacturing Projects by Industry, 2003-2005

| Industry                           | No. of Projects |            |            | Investment (RM million) |                |                 |
|------------------------------------|-----------------|------------|------------|-------------------------|----------------|-----------------|
|                                    | 2003            | 2004       | 2005       | 2003                    | 2004           | 2005            |
| Electrical & Electronic            | 57              | 54         | 61         | 1,385.4                 | 1,258.6        | 3,771.30        |
| Basic Metal Products               | 3               | 3          | 9          | 52.0                    | 19.7           | 94.00           |
| Chemicals & Chemical Products      | 1               | 7          | 6          | 4.1                     | 129.7          | 52.75           |
| Fabricated Metal Products          | 26              | 21         | 23         | 148.4                   | 127.7          | 73.06           |
| Food Manufacturing                 | 4               | 6          | 3          | 42.6                    | 137.9          | 6.94            |
| Machinery Manufacturing            | 16              | 17         | 19         | 93.6                    | 139.1          | 135.62          |
| Non-Metallic Mineral Products      | -               | 1          | 1          | -                       | 6.2            | 8.40            |
| Others                             | -               | 2          | 1          | -                       | 4.8            | 8.30            |
| Paper, Printing & Publishing       | 3               | 7          | 4          | 33.9                    | 69.6           | 12.62           |
| Petroleum & Petrochemical Products | -               | 1          | -          | -                       | 16.1           | -               |
| Plastic Products                   | 10              | 9          | 8          | 25.9                    | 42.2           | 426.04          |
| Rubber Products                    | 3               | 2          | 2          | 9.8                     | 10.9           | 10.93           |
| Scientific & Measurement Equipment | 7               | 5          | 4          | 96.8                    | 31.3           | 161.54          |
| Textile & Garment                  | 2               | 0          | 1          | 9.1                     | -              | 4.42            |
| Transport Equipment                | 3               | 5          | 4          | 7.7                     | 2.4            | 41.20           |
| Wood & Wood Products               | -               | 1          | -          | -                       | 7.1            | -               |
| Beverages & Tobacco                | 1               | 0          | 2          | 12.7                    | -              | 1.06            |
| Furniture & Fixtures               | 1               | 2          | -          | 1.0                     | 18.3           | -               |
| Leather & Leather Products         | -               | 1          | -          | -                       | 8.5            | -               |
| <b>TOTAL</b>                       | <b>137</b>      | <b>144</b> | <b>148</b> | <b>1,923.0</b>          | <b>2,030.3</b> | <b>4,808.18</b> |

Source: MIDA Penang

Note: Slight discrepancies may occur due to rounding. Data is subject to adjustments and revisions by MIDA.

## Approved Manufacturing Projects and Investment by State, 2001-2004

| State               | No. of Projects |            |              |              | Investment (RM Million) |                 |                 |                  |
|---------------------|-----------------|------------|--------------|--------------|-------------------------|-----------------|-----------------|------------------|
|                     | 2002            | 2003       | 2004         | 2005         | 2002                    | 2003            | 2004            | 2005             |
| F.T.-Kuala Lumpur   | 22              | 20         | 26           | 20           | 1,112.6                 | 386.4           | 163.8           | 149.54           |
| F.T.-Labuan         | 1               | -          | -            | 2            | 12.5                    | -               | -               | 20.30            |
| Selangor            | 239             | 306        | 335          | 335          | 3,842.9                 | 5,059.4         | 6,050.3         | 8,467.39         |
| <b>Pulau Pinang</b> | <b>110</b>      | <b>137</b> | <b>144</b>   | <b>148</b>   | <b>2,398.3</b>          | <b>1,923.0</b>  | <b>2,030.3</b>  | <b>4,808.18</b>  |
| Perak               | 46              | 65         | 54           | 52           | 452.0                   | 2,825.7         | 1,316.0         | 1,397.35         |
| Johor               | 191             | 219        | 256          | 234          | 2,333.4                 | 1,956.8         | 3,987.1         | 8,291.26         |
| Negeri Sembilan     | 34              | 46         | 44           | 26           | 767.8                   | 1,844.1         | 1,054.3         | 351.63           |
| Melaka              | 23              | 37         | 56           | 52           | 573.2                   | 4,057.7         | 1,194.1         | 1,039.04         |
| Kedah               | 47              | 49         | 65           | 44           | 532.1                   | 879.4           | 5,245.4         | 1,763.42         |
| Pahang              | 13              | 17         | 18           | 18           | 271.3                   | 922.7           | 994.7           | 2,203.17         |
| Kelantan            | 6               | 7          | 9            | 8            | 9.5                     | 52.2            | 106.6           | 124.90           |
| Terengganu          | 4               | 7          | 5            | 8            | 4,740.3                 | 484.8           | 138.4           | 327.74           |
| Perlis              | 3               | 3          | 1            | 2            | 6.4                     | 30.6            | 0.5             | 31.41            |
| Sabah               | 20              | 20         | 40           | 41           | 348.6                   | 153.5           | 338.5           | 1,204.49         |
| Sarawak             | 33              | 32         | 45           | 34           | 476.0                   | 8,568.4         | 5,901.2         | 859.65           |
| Undecided           | -               | -          | 3            | 2            | -                       | -               | 252.4           | 17.16            |
| <b>Total</b>        | <b>792</b>      | <b>965</b> | <b>1,101</b> | <b>1,026</b> | <b>17,876.9</b>         | <b>29,144.7</b> | <b>28,773.5</b> | <b>31,056.65</b> |

Source: MIDA Penang

Note: Slight discrepancies may occur due to rounding. Data is subject to adjustments and revisions by MIDA.

# TERTIARY SECTOR

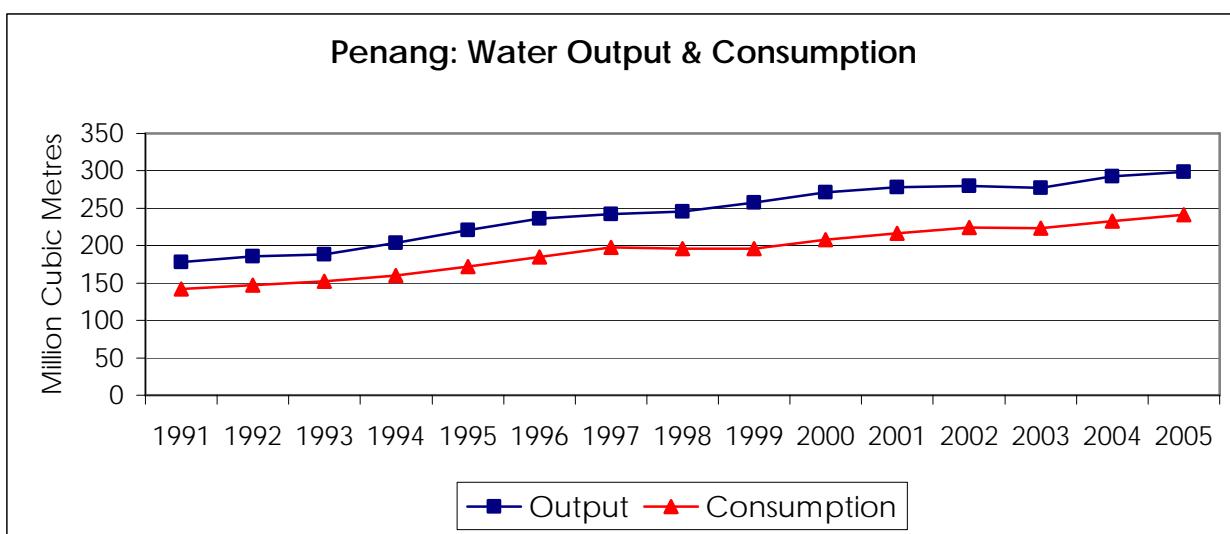
## UTILITIES

### WATER

**Penang: Water Output And Consumption ('000 cubic Metres), 1991-2005**

| 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     | 4.7%       |
| 1995 | 220,550 | 8.1%       | 172,321     | 8.0%       |
| 1996 | 236,124 | 7.1%       | 184,541     | 7.1%       |
| 1997 | 242,531 | 2.7%       | 198,038     | 7.3%       |
| 1998 | 245,425 | 1.2%       | 195,668     | -1.2%      |
| 1999 | 257,307 | 4.8%       | 195,801     | 0.1%       |
| 2000 | 271,258 | 5.4%       | 208,183     | 6.3%       |
| 2001 | 278,395 | 2.6%       | 216,380     | 3.9%       |
| 2002 | 280,161 | 0.6%       | 224,632     | 3.8%       |
| 2003 | 277,066 | -1.1%      | 223,390     | -0.6%      |
| 2004 | 292,858 | 5.7%       | 233,057     | 4.3%       |
| 2005 | 298,985 | 2.1%       | 240,999     | 3.4%       |

Source: Derived from data provided by Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP)



Source: Derived from data provided by Perbadanan Bekalan Air Pulau Pinang Sdn Bhd

**Penang: Daily Water Supply, 2004 - 2005**

|  | 2004          |                |              | 2005          |                |              |
|--|---------------|----------------|--------------|---------------|----------------|--------------|
|  | Penang Island | Seberang Perai | Penang State | Penang Island | Seberang Perai | Penang State |
| No. of Treatment Plants                      | 6             | 4              | 10           | 5             | 4              | 9            |
| Max. Capacity of Treatment Plants (cu.m/day) | 323,000       | 956,818        | 1,279,818    | 309,429       | 956,370        | 1,265,799    |
| Average Daily Production (cu.m)              | 129,977       | 670,183        | 800,160      | 96,002        | 723,134        | 819,136      |
| Average Daily Consumption (cu.m)             | 311,555       | 325,214        | 636,769      | 316,055       | 344,215        | 660,271      |
| No. of Services (consumers)                  | 207,563       | 210,032        | 417,595      | 212,523       | 218,136        | 430,659      |
| Daily Consumption (cu.m)                     |               |                |              |               |                |              |
| Per Consumer                                 | 1.50          | 1.55           | 1.52         | 1.49          | 1.58           | 1.53         |
| Per Industrial Consumer                      | 5.75          | 4.66           | 5.21         | 5.72          | 4.74           | 5.23         |
| Per Domestic Consumer                        | 1.03          | 1.08           | 1.05         | 1.01          | 1.10           | 1.05         |

Source: Derived from data provided by Perbadanan Bekalan Air Pulau Pinang Sdn Bhd

**ELECTRICITY****Penang: Electricity Supplied and Consumed**

| Transaction   | 2005             |
|---|------------------|
| <b>Total Supply (GWh)</b>                                       | <b>9,160,499</b> |
| Consumption of Electricity (Gwh)                                |                  |
| Own Consumption by Private Installation (GWh)                   | <b>6,800</b>     |
| Distribution by Public Installation by Types of Consumers (GWh) |                  |
| Domestic  | 1,179,575        |
| Commercial  | 1,803,759        |
| Industrial  | 5,528,666        |
| Public Lighting   | 42,859           |
| <b>Total</b>  | <b>8,554,859</b> |
| Electricity Exported  | 0                |
| Losses in Transmissions and Statistical Discrepancies           | <b>598,840</b>   |

Note: Excluding demand of 132kV customers supplied via direct 132kV connection

Source: Tenaga Nasional Berhad, Penang

**Penang: Power Demand & Supply, 2000 - 2010**

| Year | Maximum Demand (MW) | Installed Capacity (MW) | Excess Capacity % |
|------|---------------------|-------------------------|-------------------|
| 2000 | 950                 | 2,518                   | 62%               |
| 2001 | 1,012               | 2,828                   | 64%               |
| 2002 | 1,049               | 2,666                   | 61%               |
| 2003 | 1,085               | 2,788                   | 61%               |
| 2004 | 1,108               | 2,795                   | 60%               |
| 2005 | 1,121               | 2,957                   | 62%               |
| 2006 | 1,202               | 3,254                   | 63%               |
| 2007 | 1,284               | 3,294                   | 61%               |
| 2008 | 1,361               | 3,294                   | 59%               |
| 2009 | 1,437               | 3,267                   | 56%               |
| 2010 | 1,529               | 3,267                   | 53%               |

Note: Excluding demand of 132kV customers supplied via direct 132kV connection

Source: Tenaga Nasional Berhad, Penang

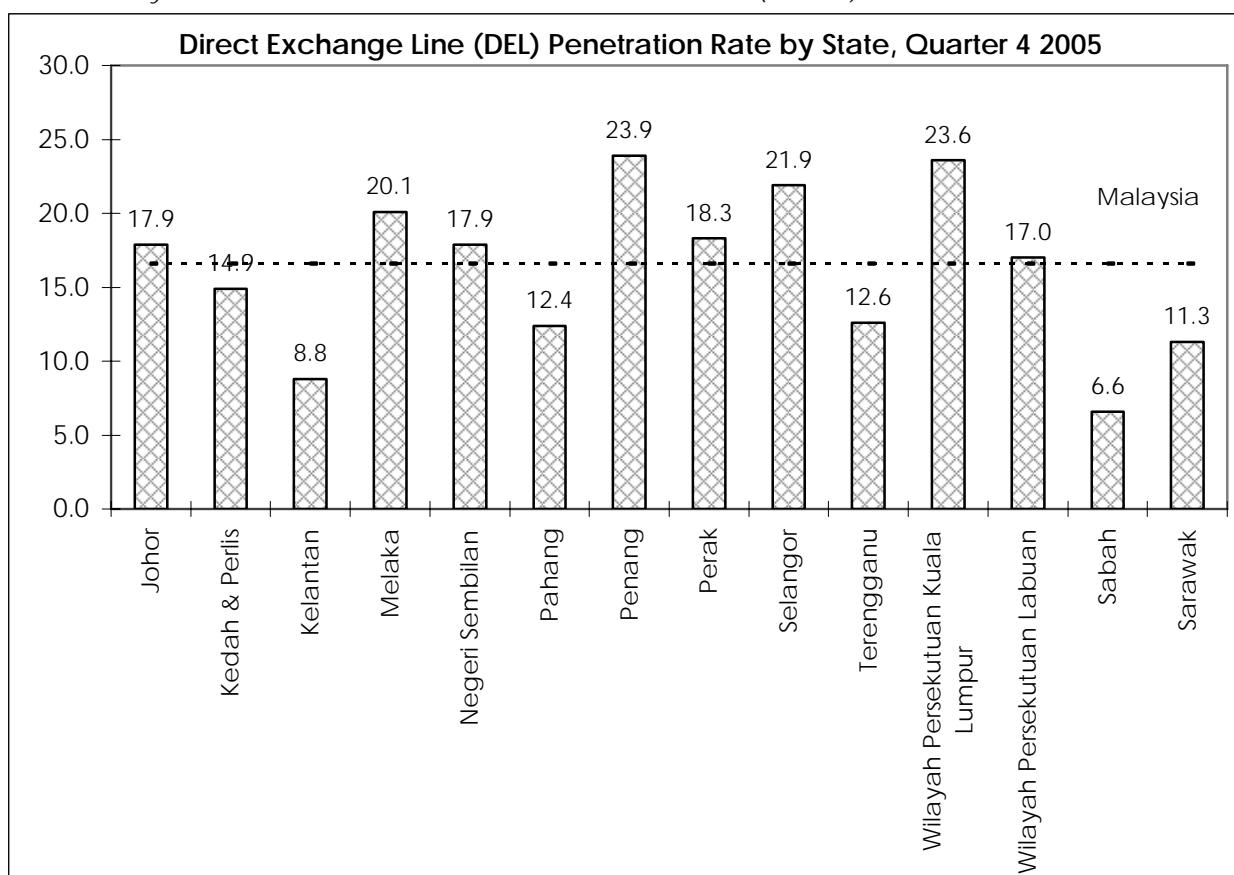
## TELECOMMUNICATIONS

### Direct Exchange Line (DEL) Penetration Rate by State, 2003 - 2005

| State                            | 2003        | 2004        | 2005        |             |             |             |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                  |             |             | Quarter 1   | Quarter 2   | Quarter 3   | Quarter 4   |
| Johor                            | 19.5        | 18.5        | 18.3        | 18.0        | 17.9        | 17.9        |
| Kedah & Perlis                   | 15.2        | 14.3        | 13.6        | 13.4        | 13.6        | 14.9        |
| Kelantan                         | 10.1        | 9.2         | 9.0         | 8.9         | 8.8         | 8.8         |
| Melaka                           | 22.2        | 20.4        | 20.3        | 20.1        | 20.1        | 20.1        |
| Negeri Sembilan                  | 19.2        | 18.2        | 18.2        | 18.0        | 18.0        | 17.9        |
| Pahang                           | 13.7        | 12.8        | 12.8        | 12.6        | 12.5        | 12.4        |
| <b>Penang</b>                    | <b>25.9</b> | <b>24.2</b> | <b>24.2</b> | <b>23.9</b> | <b>23.9</b> | <b>23.9</b> |
| Perak                            | 20.0        | 19.4        | 18.9        | 18.4        | 18.4        | 18.3        |
| Selangor                         | 23.6        | 21.9        | 22.2        | 22.0        | 22.0        | 21.9        |
| Terengganu                       | 13.8        | 12.9        | 12.7        | 12.5        | 12.5        | 12.6        |
| Wilayah Persekutuan Kuala Lumpur | 25.9        | 24.6        | 24.2        | 23.9        | 23.7        | 23.6        |
| Wilayah Persekutuan Labuan       | 17.7        | 17.0        | 16.9        | 16.9        | 16.5        | 17.0        |
| Sabah                            | 7.2         | 6.7         | 6.7         | 6.6         | 6.5         | 6.6         |
| Sarawak                          | 12.2        | 11.5        | 11.4        | 11.4        | 11.3        | 11.3        |
| <b>Malaysia</b>                  | <b>18.1</b> | <b>17.2</b> | <b>16.8</b> | <b>16.5</b> | <b>16.5</b> | <b>16.6</b> |

Note: Direct Exchange Line (DEL) connects a customer's equipment to the Public Switched telephone Network (PSTN) and has a dedicated port on a telephone exchange. The penetration rate refers to the total DELs to residential as well business.

Source: Malaysian Communications and Multimedia Commission (MCMC)

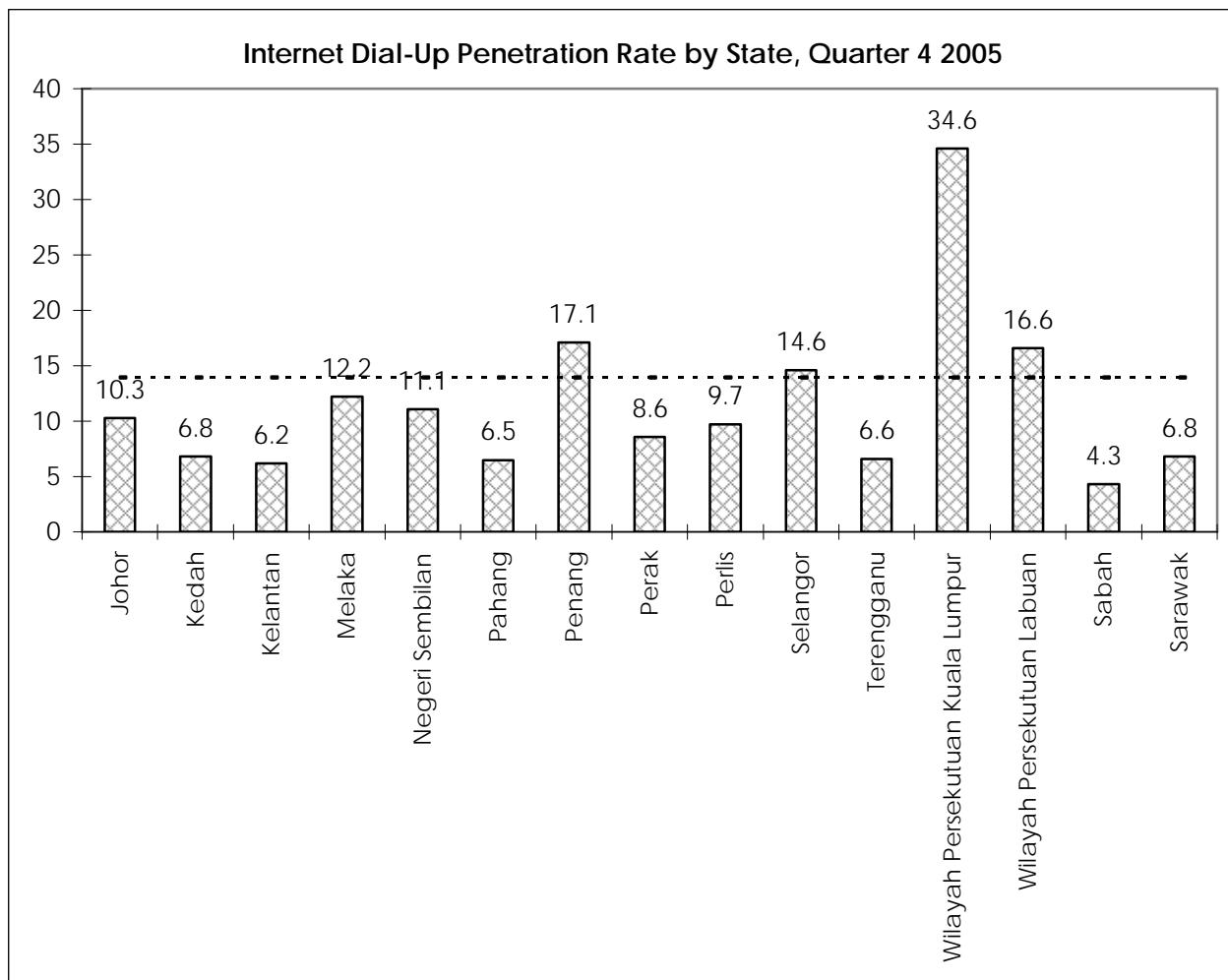


Source: Malaysian Communications and Multimedia Commission (MCMC)

## Internet Dial-Up Penetration Rate by State, 2003 - 2005

| State                            | 2003        | 2004        | 2005        |             |             |             |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                  |             |             | Quarter 1   | Quarter 2   | Quarter 3   | Quarter 4   |
| Johor                            | 9.6         | 9.9         | 10.1        | 10.2        | 10.2        | 10.3        |
| Kedah                            | 6.3         | 6.6         | 6.6         | 6.7         | 6.7         | 6.8         |
| Kelantan                         | 6.9         | 6.7         | 6.2         | 6.2         | 6.2         | 6.2         |
| Melaka                           | 11.5        | 11.8        | 11.9        | 12          | 12.1        | 12.2        |
| Negeri Sembilan                  | 10.5        | 10.8        | 10.9        | 11          | 11.1        | 11.1        |
| Pahang                           | 6.7         | 6.3         | 6.4         | 6.4         | 6.4         | 6.5         |
| <b>Penang</b>                    | <b>15.8</b> | <b>16.3</b> | <b>16.6</b> | <b>16.7</b> | <b>17.1</b> | <b>17.1</b> |
| Perak                            | 8.0         | 8.5         | 8.6         | 8.7         | 8.5         | 8.6         |
| Perlis                           | 8.3         | 9.3         | 9.4         | 9.5         | 9.7         | 9.7         |
| Selangor                         | 14.2        | 14.3        | 14.5        | 14.6        | 14.6        | 14.6        |
| Terengganu                       | 6.6         | 6.5         | 6.5         | 6.6         | 6.6         | 6.6         |
| Wilayah Persekutuan Kuala Lumpur | 32.8        | 34.5        | 34.2        | 34.5        | 34.6        | 34.6        |
| Wilayah Persekutuan Labuan       | 17.8        | 16.6        | 16.5        | 16.6        | 16.6        | 16.6        |
| Sabah                            | 3.6         | 4.2         | 4.2         | 4.3         | 4.3         | 4.3         |
| Sarawak                          | 6.2         | 6.7         | 6.7         | 6.7         | 6.8         | 6.8         |
| <b>Malaysia</b>                  | <b>11.4</b> | <b>12.7</b> | <b>13.2</b> | <b>13.7</b> | <b>13.8</b> | <b>13.9</b> |

Source: Malaysian Communications and Multimedia Commission (MCMC), PIKOM



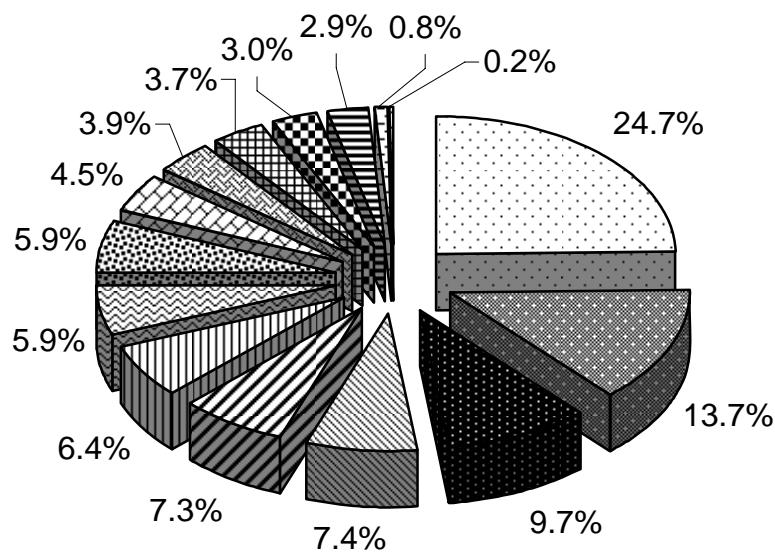
Source: Malaysian Communications and Multimedia Commission (MCMC), PIKOM

### Percentage Share of Hand Phone Subscriber Base, 2005

| State                            | Percentage Share of Hand Phone Subscriber Base |
|----------------------------------|--|
| Selangor                         | 24.7   |
| Johor                            | 13.7   |
| Wilayah Persekutuan Kuala Lumpur | 9.7  |
| <b>Penang</b>                    | <b>7.4</b>                                     |
| Perak                            | 7.3  |
| Sabah                            | 6.4  |
| Kedah                            | 5.9  |
| Sarawak                          | 5.9  |
| Pahang                           | 4.5  |
| Negeri Sembilan                  | 3.9  |
| Kelantan                         | 3.7  |
| Melaka                           | 3.0  |
| Terengganu                       | 2.9  |
| Perlis                           | 0.8  |
| Wilayah Persekutuan Labuan       | 0.2  |

Source: MCMC (Derived from Hand Phone Users Survey 2005)

**Percentage Share of Hand Phone Subscriber Base, 2005**



- |                                    |                   |
|------------------------------------|-------------------|
| □ Selangor                         | ■ Johor           |
| ■ Wilayah Persekutuan Kuala Lumpur | □ Penang          |
| □ Perak                            | □ Sabah           |
| □ Kedah                            | □ Sarawak         |
| □ Pahang                           | □ Negeri Sembilan |
| □ Kelantan                         | □ Melaka          |
| ■ Terengganu                       | □ Perlis          |
| □ Wilayah Persekutuan Labuan       |                   |

Source: MCMC (Derived from Hand Phone Users Survey 2005)

# ROAD TRANSPORT

## New Motor Vehicle Registration, 2005

| Month     | Region   | Motorcycle | Private Passenger Car | Taxi | Bus | Lorry & Van | Hire Cars | Others | Total   |
|-----------|----------|------------|-----------------------|------|-----|-------------|-----------|--------|---------|
| January   | Penang   | 3,547      | 3,667                 | 3    | 20  | 170         | 5         | 14     | 7,426   |
|           | Malaysia | 38,086     | 40,906                | 223  | 125 | 2,613       | 137       | 1,165  | 83,255  |
| February  | Penang   | 3,843      | 3,329                 | 7    | 2   | 128         | 5         | 22     | 7,336   |
|           | Malaysia | 32,177     | 32,924                | 290  | 87  | 2,030       | 126       | 845    | 68,479  |
| March     | Penang   | 4,367      | 4,084                 | 8    | 2   | 163         | 8         | 50     | 8,682   |
|           | Malaysia | 38,308     | 43,627                | 441  | 83  | 3,284       | 155       | 1,302  | 87,200  |
| April     | Penang   | 4,120      | 4,360                 | 11   | 4   | 216         | 4         | 62     | 8,777   |
|           | Malaysia | 33,860     | 41,895                | 487  | 108 | 2,776       | 137       | 1,133  | 80,396  |
| May       | Penang   | 4,064      | 4,234                 | 23   | 7   | 197         | 7         | 27     | 8,559   |
|           | Malaysia | 36,370     | 44,298                | 322  | 81  | 3,007       | 411       | 1,188  | 85,677  |
| June      | Penang   | 3,988      | 4,931                 | 26   | 6   | 226         | 9         | 46     | 9,232   |
|           | Malaysia | 36,383     | 47,939                | 498  | 120 | 3,181       | 409       | 1,294  | 89,824  |
| July      | Penang   | 3,898      | 4,044                 | 18   | 9   | 191         | 7         | 30     | 8,197   |
|           | Malaysia | 34,364     | 41,976                | 538  | 135 | 2,871       | 326       | 1,241  | 81,451  |
| August    | Penang   | 3,991      | 4,836                 | 16   | 6   | 181         | 12        | 53     | 9,095   |
|           | Malaysia | 37,479     | 50,628                | 368  | 163 | 2,942       | 231       | 1,376  | 93,187  |
| September | Penang   | 4,043      | 4,853                 | 15   | 5   | 152         | 6         | 45     | 9,119   |
|           | Malaysia | 36,795     | 49,571                | 412  | 160 | 2,834       | 654       | 1,439  | 91,865  |
| October   | Penang   | 3,604      | 5,084                 | 12   | 4   | 191         | 3         | 63     | 8,961   |
|           | Malaysia | 39,434     | 57,755                | 479  | 163 | 2,954       | 367       | 1,318  | 102,470 |
| November  | Penang   | 2,665      | 3,919                 | 7    | 9   | 164         | 10        | 53     | 6,827   |
|           | Malaysia | 27,323     | 37,880                | 448  | 109 | 2,237       | 148       | 1,347  | 69,492  |
| December  | Penang   | 3,478      | 4,857                 | 17   | 7   | 195         | 8         | 51     | 8,613   |
|           | Malaysia | 31,676     | 48,501                | 496  | 234 | 2,803       | 310       | 2,792  | 86,812  |

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

## Motor Vehicle Re-registration, 2005

| Month     | Region   | Motorcycle | Private Passenger Car | Taxi   | Bus    | Lorry & Van | Hire Cars | Others  | Total      |
|-----------|----------|------------|-----------------------|--------|--------|-------------|-----------|---------|------------|
| January   | Penang   | 834,692    | 582,027               | 2,933  | 4,554  | 46,520      | 405       | 15,003  | 1,486,134  |
|           | Malaysia | 6,612,862  | 5,955,186             | 65,011 | 55,229 | 774,990     | 10,560    | 378,970 | 13,852,808 |
| February  | Penang   | 838,905    | 585,842               | 2,930  | 4,583  | 46,902      | 408       | 15,022  | 1,494,592  |
|           | Malaysia | 6,647,445  | 5,991,524             | 65,144 | 55,354 | 777,258     | 10,567    | 379,830 | 13,927,122 |
| March     | Penang   | 844,262    | 590,903               | 2,941  | 4,612  | 47,326      | 417       | 15,149  | 1,505,610  |
|           | Malaysia | 6,691,337  | 6,041,910             | 65,359 | 55,567 | 780,918     | 10,532    | 381,345 | 14,026,968 |
| April     | Penang   | 848,353    | 595,217               | 2,957  | 4,653  | 47,862      | 412       | 15,151  | 1,514,605  |
|           | Malaysia | 6,725,921  | 6,084,464             | 65,561 | 55,771 | 784,015     | 10,548    | 382,344 | 14,108,624 |
| May       | Penang   | 852,757    | 599,832               | 2,979  | 4,699  | 48,278      | 414       | 15,202  | 1,524,161  |
|           | Malaysia | 6,764,066  | 6,131,480             | 65,571 | 55,942 | 787,226     | 10,845    | 383,455 | 14,198,585 |
| June      | Penang   | 856,750    | 604,756               | 3,000  | 4,713  | 48,535      | 410       | 15,266  | 1,533,430  |
|           | Malaysia | 6,799,821  | 6,179,320             | 65,851 | 56,126 | 790,143     | 11,073    | 384,703 | 14,287,037 |
| July      | Penang   | 860,947    | 609,288               | 3,016  | 4,726  | 48,760      | 404       | 15,290  | 1,542,431  |
|           | Malaysia | 6,836,626  | 6,226,428             | 66,130 | 56,337 | 793,060     | 11,180    | 386,048 | 14,375,809 |
| August    | Penang   | 864,960    | 614,211               | 3,029  | 4,737  | 48,965      | 409       | 15,339  | 1,551,650  |
|           | Malaysia | 6,873,882  | 6,277,964             | 66,343 | 56,535 | 795,853     | 11,241    | 387,257 | 14,469,075 |
| September | Penang   | 868,812    | 618,891               | 3,040  | 4,745  | 49,101      | 411       | 15,376  | 1,560,376  |
|           | Malaysia | 6,909,181  | 6,326,195             | 66,556 | 56,732 | 798,317     | 11,592    | 388,440 | 14,557,013 |
| October   | Penang   | 872,418    | 624,012               | 3,050  | 4,745  | 49,268      | 409       | 15,437  | 1,569,339  |
|           | Malaysia | 6,948,835  | 6,385,283             | 66,849 | 56,918 | 800,876     | 11,677    | 389,574 | 14,660,012 |
| November  | Penang   | 875,289    | 628,208               | 3,051  | 4,756  | 49,426      | 416       | 15,485  | 1,576,631  |
|           | Malaysia | 6,977,469  | 6,426,457             | 67,154 | 57,071 | 802,913     | 11,674    | 390,847 | 14,733,585 |
| December  | Penang   | 878,582    | 632,898               | 3,063  | 4,767  | 49,582      | 398       | 15,537  | 1,584,827  |

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

# TRADE

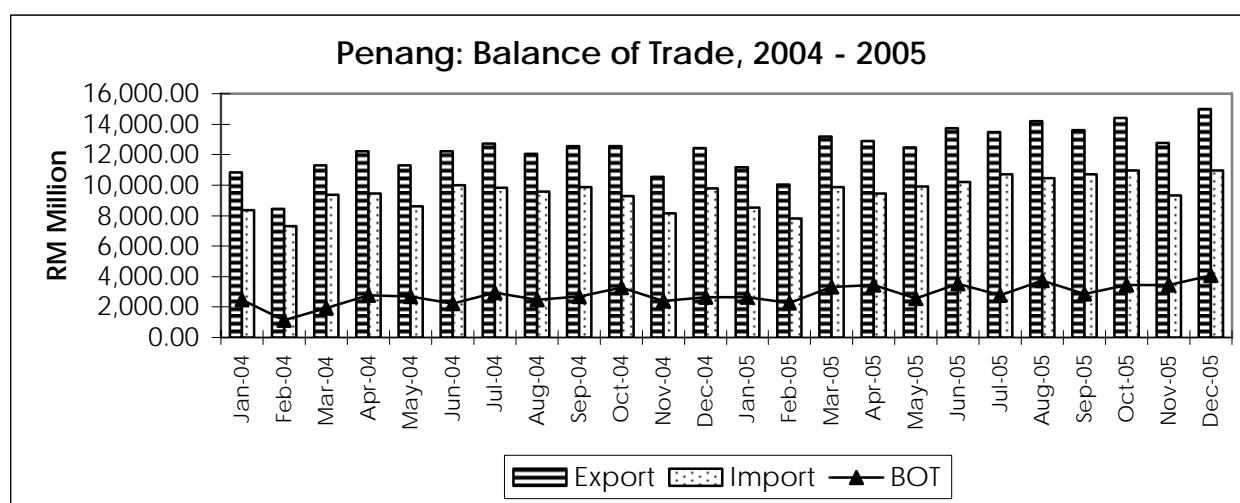
## TRADE BALANCE

### Export, Import & Balance of Trade (BOT), 2004 – 2005 (RM million)

| 2004  | MALAYSIA   |            |           | PENANG     |            |           |
|-------|------------|------------|-----------|------------|------------|-----------|
|       | Export     | Import     | BOT       | Export     | Import     | BOT       |
| Jan   | 35,243.62  | 28,755.96  | 6,487.66  | 10,819.57  | 8,362.65   | 2,456.91  |
| Feb   | 32,344.71  | 26,488.19  | 5,856.52  | 8,450.24   | 7,315.57   | 1,134.67  |
| Mar   | 40,246.99  | 33,385.37  | 6,861.62  | 11,305.31  | 9,365.08   | 1,940.23  |
| Apr   | 39,656.31  | 33,542.32  | 6,113.99  | 12,225.45  | 9,459.79   | 2,765.66  |
| May   | 38,464.75  | 31,636.00  | 6,828.75  | 11,317.54  | 8,622.10   | 2,695.44  |
| June  | 39,874.82  | 34,697.94  | 5,176.88  | 12,219.61  | 10,003.31  | 2,216.30  |
| Jul   | 42,384.58  | 35,027.82  | 7,356.76  | 12,740.29  | 9,814.27   | 2,926.02  |
| Aug   | 41,440.61  | 33,380.02  | 8,060.59  | 12,032.59  | 9,573.32   | 2,459.27  |
| Sept  | 44,379.45  | 37,060.97  | 7,318.48  | 12,543.81  | 9,861.89   | 2,681.92  |
| Oct   | 44,169.19  | 36,190.49  | 7,978.70  | 12,559.36  | 9,292.99   | 3,266.37  |
| Nov   | 38,844.90  | 32,867.51  | 5,977.40  | 10,530.96  | 8,158.10   | 2,372.86  |
| Dec   | 43,690.39  | 37,044.25  | 6,646.14  | 12,416.28  | 9,784.02   | 2,632.26  |
| TOTAL | 480,740.33 | 400,076.84 | 80,663.49 | 139,161.01 | 109,613.10 | 29,547.91 |
| 2005  | MALAYSIA   |            |           | PENANG     |            |           |
|       | Export     | Import     | BOT       | Export     | Import     | BOT       |
| Jan   | 39,039.40  | 31,430.84  | 7,608.55  | 11,171.89  | 8,531.97   | 2,639.92  |
| Feb   | 36,722.37  | 29,556.26  | 7,166.11  | 10,038.82  | 7,791.17   | 2,247.66  |
| Mar   | 46,814.28  | 36,578.10  | 10,236.17 | 13,174.06  | 9,876.81   | 3,297.25  |
| Apr   | 43,541.85  | 35,089.94  | 8,451.91  | 12,909.35  | 9,462.37   | 3,446.98  |
| May   | 42,662.30  | 35,992.80  | 6,669.50  | 12,478.31  | 9,929.21   | 2,549.09  |
| June  | 44,528.86  | 36,791.45  | 7,737.41  | 13,745.45  | 10,206.36  | 3,539.09  |
| Jul   | 43,592.81  | 37,635.77  | 5,957.04  | 13,480.92  | 10,699.66  | 2,781.26  |
| Aug   | 46,591.13  | 36,841.12  | 9,750.01  | 14,186.85  | 10,464.68  | 3,722.17  |
| Sept  | 47,679.76  | 40,060.82  | 7,618.94  | 13,586.52  | 10,710.96  | 2,875.56  |
| Oct   | 49,722.99  | 39,203.45  | 10,519.54 | 14,416.95  | 10,954.49  | 3,462.47  |
| Nov   | 43,424.36  | 34,791.96  | 8,632.40  | 12,778.53  | 9,338.35   | 3,440.18  |
| Dec   | 49,467.72  | 40,037.39  | 9,430.33  | 15,000.75  | 10,946.75  | 4,053.99  |
| TOTAL | 533,787.81 | 434,009.91 | 99,777.90 | 156,968.40 | 118,912.77 | 38,055.62 |

Source: Department of Statistics, Malaysia

Note: Data for 2005 is preliminary. Data is subject to adjustments and revisions by DOS.



Source: Derived from data provided by Department of Statistics, Malaysia

**PENANG AIRPORT****Aircraft Movement per annum, 1991-2006**

| <b>Year</b>             | <b>No. of Movement</b> |
|-------------------------|------------------------|
| 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                    | 28,840                 |
| 2003                    | 26,474                 |
| 2004                    | 29,182                 |
| 2005                    | 31,111                 |
| <b>2006 (Jan - Feb)</b> | <b>5,030</b>           |

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

**Number of Passengers (Domestic & International) per annum, 1991-2006**

| <b>Year</b>             | <b>No. of Passengers (millions)</b> |                      |              |
|-------------------------|-------------------------------------|----------------------|--------------|
|                         | <b>Domestic</b>                     | <b>International</b> | <b>Total</b> |
| 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                    | 1.31                                | 1.21                 | 2.51         |
| 2003                    | 1.43                                | 1.00                 | 2.43         |
| 2004                    | 1.66                                | 1.34                 | 2.99         |
| 2005                    | 1.56                                | 1.28                 | 2.83         |
| <b>2006 (Jan - Feb)</b> | <b>0.26</b>                         | <b>0.21</b>          | <b>0.47</b>  |

Note: Slight discrepancies may arise due to rounding.

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

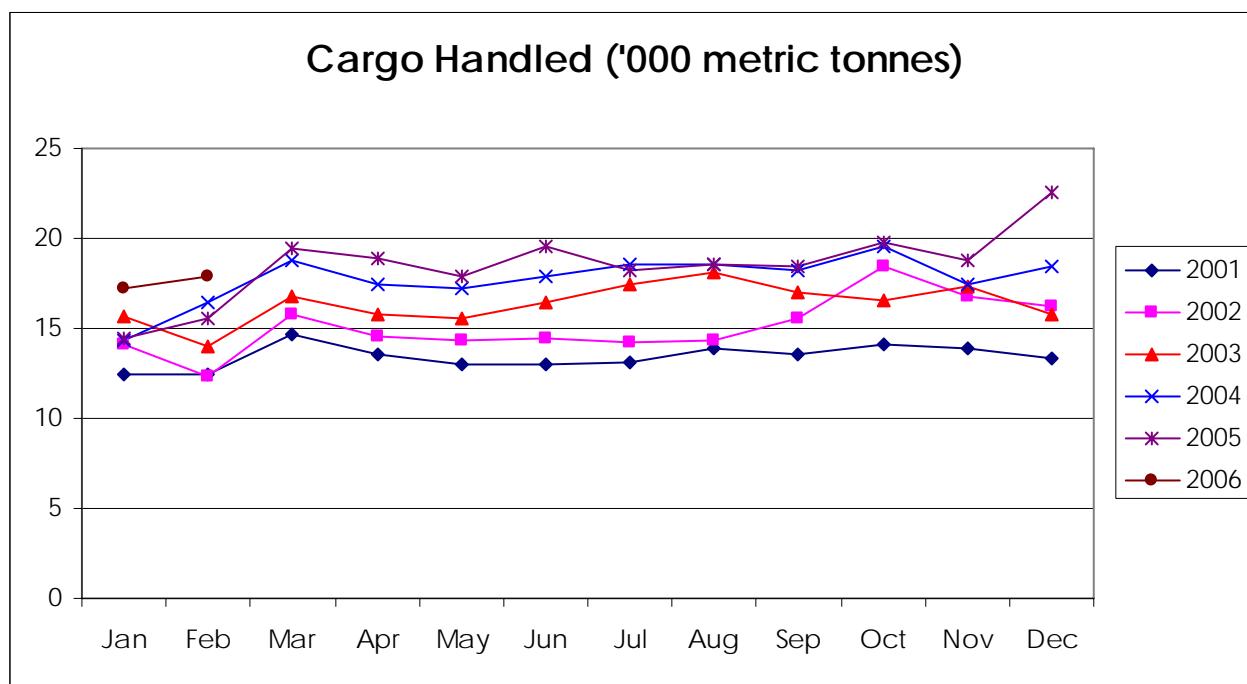
**Cargo Handled (Domestic & International) per annum, 1991 - 2006**

| 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                    | 42.85                                  | 138.31        | 181.16       |
| 2003                    | 30.79                                  | 165.60        | 196.39       |
| 2004                    | 38.52                                  | 174.42        | 212.94       |
| 2005                    | 47.69                                  | 174.52        | 222.20       |
| <b>2006 (Jan - Feb)</b> | <b>6.16</b>                            | <b>29.03</b>  | <b>35.20</b> |

\*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.



Source: Malaysia Airports Berhad

**PENANG PORT****Annual Number of Shipcalls, 1990-2005**

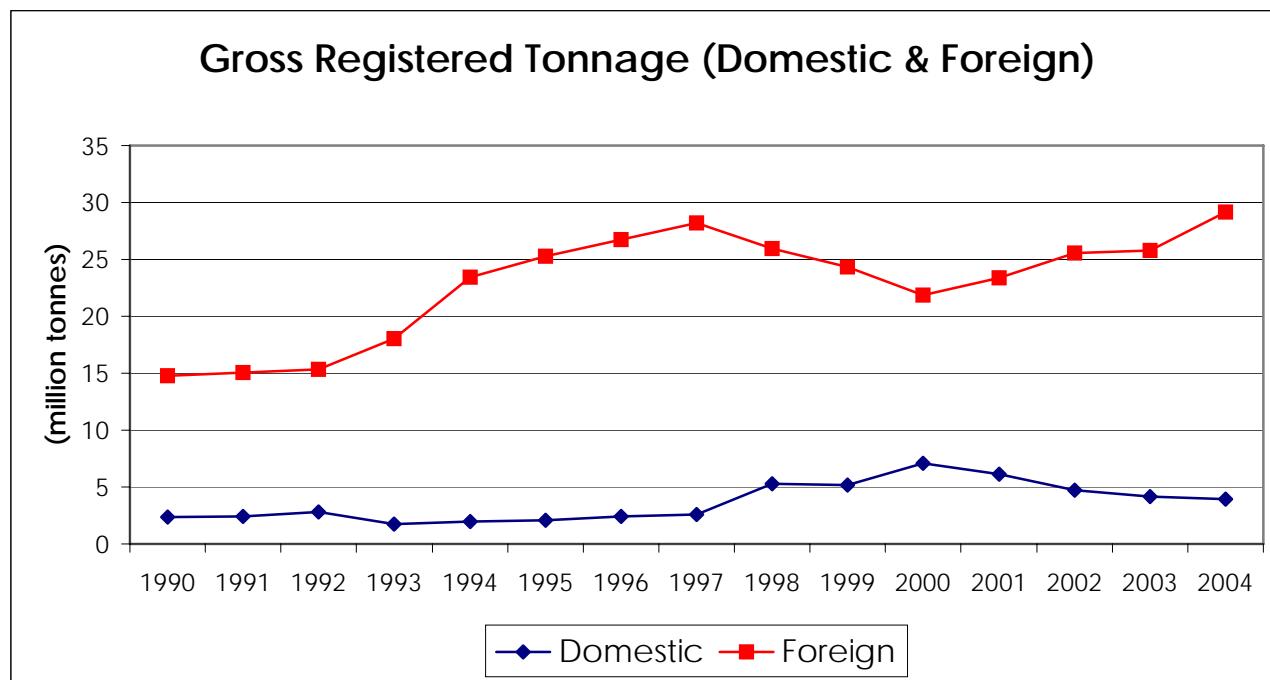
| <b>Year</b>             | <b>Domestic</b> | <b>Foreign</b> | <b>Total</b> |
|-------------------------|-----------------|----------------|--------------|
| 1990                    | 2,437           | 3,091          | 5,528        |
| 1991                    | 2,750           | 3,051          | 5,801        |
| 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        |
| 2001                    | 3,019           | 4,399          | 7,418        |
| 2002                    | 2,824           | 4,748          | 7,572        |
| 2003                    | 2,220           | 4,199          | 6,419        |
| 2004                    | 3,182           | 3,831          | 7,013        |
| <b>2005 (Jan - Oct)</b> | <b>1,997</b>    | <b>3,149</b>   | <b>5,146</b> |

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

**Gross Registered Tonnage (Domestic & Foreign) in Million, 1990-2005**

| <b>Year</b>             | <b>Domestic</b> | <b>Foreign</b> | <b>Total</b> |
|-------------------------|-----------------|----------------|--------------|
| 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        |
| 2001                    | 6.11            | 23.37          | 29.48        |
| 2002                    | 4.72            | 25.58          | 30.29        |
| 2003                    | 4.14            | 25.80          | 29.94        |
| 2004                    | 3.95            | 29.16          | 33.10        |
| <b>2005 (Jan - Oct)</b> | <b>2.58</b>     | <b>26.91</b>   | <b>29.49</b> |

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, 1990-2005

| Year                        | General Cargo | (million freight tonnes) |             |               | Total        | Container      |
|-----------------------------|---------------|--------------------------|-------------|---------------|--------------|----------------|
|                             |               | Dry Bulk                 | Liquid Bulk | Containerised |              |                |
| 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        |
| 2001                        | 2.00          | 3.75                     | 4.10        | 10.61         | 20.45        | 604,294        |
| 2002                        | 2.07          | 4.00                     | 4.39        | 11.34         | 21.80        | 634,042        |
| 2003                        | 1.89          | 4.08                     | 4.18        | 12.24         | 22.39        | 688,171        |
| 2004                        | 1.81          | 3.73                     | 4.38        | 13.50         | 23.42        | 772,024        |
| <b>2005<br/>(Jan - Oct)</b> | <b>1.43</b>   | <b>3.17</b>              | <b>3.43</b> | <b>11.51</b>  | <b>19.53</b> | <b>663,154</b> |

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, 2000-2004

|  | 2000     | 2001     | 2002     | 2003     | 2004     |
|--|----------|----------|----------|----------|----------|
| Average Occupancy Rate                         | 57.4%    | 54.8%    | 53.9%    | 49.8%    | 60.2     |
| Average Occupancy Rate for Beach Hotels        | 66.7%    | 57.5%    | 54.1%    | 46.7%    | 60.5     |
| Average Occupancy for City Hotels              | 50.8%    | 53.0%    | 53.8%    | 51.9%    | 60.0     |
| Estimated Total Visitor Arrivals for the State | 3.78 mil | 3.47 mil | 3.42 mil | 3.03 mil | 3.52 mil |
| Estimated Domestic Share                       | 37.9%    | 44.5%    | 47.9%    | 61.7%    | 56.6%    |
| Estimated International Share                  | 62.1%    | 55.5%    | 52.1%    | 38.3%    | 43.4%    |

Source: PDC Consultancy Sdn. Bhd. (Formerly known as DCT Consultancy Services Sdn. Bhd.) & SERI

# PROPERTY

## Penang: House Price Index, 1988 - 2003

| Year                 | Indices  |           |          |               |            |
|----------------------|----------|-----------|----------|---------------|------------|
|                      | Terraced | High-Rise | Detached | Semi-Detached | All Houses |
| Weight<br>(2000=100) | 38.1     | 50.7      | 2.9      | 8.4           | 100.0      |
| 1988*                | 90.0     | 77.9      | 72.9     | 87.2          | 87.7       |
| 1989*                | 92.0     | 88.1      | 77.5     | 92.5          | 92.2       |
| 1990*                | 100.0    | 100.0     | 100.0    | 100.0         | 100.0      |
| 1991*                | 110.6    | 117.6     | 118.2    | 111.3         | 111.7      |
| 1992*                | 113.9    | 125.5     | 135.1    | 116.0         | 115.7      |
| 1993*                | 118.5    | 132.7     | 145.2    | 125.3         | 124.3      |
| 1994*                | 126.0    | 145.0     | 162.5    | 143.3         | 132.5      |
| 1995*                | 149.7    | 160.0     | 180.9    | 151.1         | 145.0      |
| 1996*                | 153.7    | 156.4     | 197.2    | 170.0         | 152.1      |
| 1997*                | 165.7    | 170.8     | 206.1    | 184.6         | 169.2      |
| 1998*                | 157.7    | 162.7     | 179.2    | 167.3         | 159.4      |
| 1999*                | 161.0    | 163.4     | 173.4    | 169.3         | 165.4      |
| 1999                 | 99.3     | 98.7      | 95.5     | 93.2          | 97.8       |
| 2000**               | 100.0    | 100.0     | 100.0    | 100.0         | 100.0      |
| 2001                 | 102.9    | 108.7     | 85.5     | 93.2          | 102.9      |
| 2002                 | 115.6    | 95.1      | 97.6     | 96.0          | 102.6      |
| 2003                 | 118.3    | 124.7     | 95.3     | 91.4          | 115.5      |

Source: The Malaysian House Price Index

\* - Indices with 1990 as the base year

\*\* - New Base year for the revised IHRM 2000

**Penang: Number of Property Transactions by Sector, 2004 & 2005**

| Time Period | Residential | Commercial | Industrial | Agricultural | Development | Others | Total  |
|-------------|-------------|------------|------------|--------------|-------------|--------|--------|
| Q1 2004     | 3,553       | 489        | 112        | 100          | 457         | 20     | 4,731  |
| Q2 2004     | 4,555       | 442        | 119        | 51           | 529         | 11     | 5,707  |
| Q3 2004     | 4,773       | 545        | 148        | 165          | 456         | 25     | 6,112  |
| Q4 2004     | 6,324       | 625        | 189        | 253          | 320         | 31     | 7,742  |
| Q1 2005     | 4,405       | 519        | 122        | 228          | 377         | 4      | 5,655  |
| Q2 2005     | 4,889       | 631        | 126        | 240          | 420         | 26     | 6,332  |
| H1 2004     | 8,108       | 931        | 231        | 151          | 986         | 31     | 10,438 |
| H2 2004     | 11,097      | 1,170      | 337        | 418          | 776         | 56     | 13,854 |
| H1 2005     | 9,294       | 1,150      | 248        | 468          | 797         | 30     | 11,987 |

Source: Jabatan Penilaian dan Perkhidmatan Harta

**Penang: Value of Property Transactions by Sector, 2004 & 2005 (in RM million)**

| Time Period | Residential | Commercial | Industrial | Agricultural | Development | Others | Total    |
|-------------|-------------|------------|------------|--------------|-------------|--------|----------|
| Q1 2004     | 597.02      | 157.20     | 119.91     | 32.84        | 359.27      | 4.22   | 1,270.46 |
| Q2 2004     | 773.17      | 139.75     | 81.26      | 12.62        | 185.49      | 4.79   | 1,197.08 |
| Q3 2004     | 806.82      | 187.45     | 113.54     | 29.53        | 342.94      | 4.70   | 1,484.98 |
| Q4 2004     | 1,060.59    | 210.89     | 139.67     | 77.24        | 199.93      | 12.38  | 1,700.70 |
| Q1 2005     | 740.85      | 157.78     | 68.64      | 39.09        | 243.65      | 0.41   | 1,250.42 |
| Q2 2005     | 851.48      | 243.32     | 73.83      | 36.70        | 291.53      | 6.53   | 1,503.39 |
| H1 2004     | 1,370.19    | 296.94     | 201.17     | 45.45        | 544.76      | 9.01   | 2,467.52 |
| H2 2004     | 1,867.41    | 398.33     | 253.21     | 106.77       | 542.86      | 17.09  | 3,185.67 |
| H1 2005     | 1,592.33    | 401.10     | 142.47     | 75.79        | 535.18      | 6.94   | 2,753.81 |

Source: Jabatan Penilaian dan Perkhidmatan Harta

# EDUCATION

## Penang: Number of Schools, Students & Teachers at the Primary Level, Jan 2005

| Type of School | No. of Schools | Enrolment     |               | No. of Students | No. of Classes | No. of Teachers | Non-Teaching Staff |
|----------------|----------------|---------------|---------------|-----------------|----------------|-----------------|--------------------|
|                |                | Male          | Female        |                 |                |                 |                    |
| SK             | 113            | 38,595        | 36,104        | 74,699          | 2,300          | 4,276           | 579                |
| SRK            | 29             | 8,720         | 8,123         | 16,843          | 510            | 1,019           | 141                |
| SJK (C)        | 90             | 29,543        | 27,737        | 57,280          | 1,682          | 2,975           | 461                |
| SJK (T)        | 28             | 2,893         | 3,025         | 5,918           | 223            | 400             | 108                |
| SK Khas        | 3              | 80            | 69            | 149             | 29             | 54              | 19                 |
| <b>Total</b>   | <b>263</b>     | <b>79,831</b> | <b>75,058</b> | <b>154,889</b>  | <b>4,744</b>   | <b>8,724</b>    | <b>1,308</b>       |

Source: Jabatan Pendidikan Negeri, Pulau Pinang

## Penang: Number of Schools, Students & Teachers at the Secondary Level, Jan 2005

| Type of School             | No. of Schools | Enrolment     |               | No. of Students | No. of Classes | No. of Teachers | Non-Teaching Staff |
|----------------------------|----------------|---------------|---------------|-----------------|----------------|-----------------|--------------------|
|                            |                | Male          | Female        |                 |                |                 |                    |
| SMK                        | 96             | 51,704        | 52,749        | 104,453         | 3,233          | 6,294           | 1,025              |
| SMT                        | 6              | 1,396         | 739           | 2,135           | 105            | 442             | 107                |
| SMKA                       | 4              | 1,210         | 1,526         | 2,736           | 97             | 226             | 58                 |
| SM Khas                    | 1              | 95            | 73            | 168             | 19             | 44              | 18                 |
| SMBP                       | 1              | 373           | 240           | 613             | 24             | 64              | 34                 |
| SM + SR<br>(Special Model) | 1              | 456           | 466           | 922             | 33             | 74              | 17                 |
| <b>Total</b>               | <b>109</b>     | <b>55,234</b> | <b>55,793</b> | <b>111,027</b>  | <b>3,511</b>   | <b>7,144</b>    | <b>1,259</b>       |

Source: Jabatan Pendidikan Negeri, Pulau Pinang

## Penang: Number of Students Taking Public Exams and Passing Rates, 2004-2005

|      | No. of Students |        | No. of Passes |        | Passing Rate (%) |      |
|------|-----------------|--------|---------------|--------|------------------|------|
|      | 2004            | 2005   | 2004          | 2005   | 2004             | 2005 |
| UPSR | 23,521          | 24,125 | 15,210        | 16,202 | 64.7             | 67.2 |
| PMR  | 19,600          | 20,677 | 12,677        | 14,394 | 64.6             | 69.6 |
| SPM  | 18,354          | 20,644 | 15,968        | n.a    | 87.0             | n.a  |
| STPM | 3,725           | 3,899  | 3,567         | n.a    | 95.8             | n.a  |

Source: Jabatan Pendidikan Negeri, Pulau Pinang

## Penang: Number of Private Education Institutions (as of 31 December 2004)

| Type of Institution                         | No. of Institutions | No. of Students | No. of Teachers |
|---|---------------------|-----------------|-----------------|
| Private Primary Schools                     | 2                   | 170             | 26              |
| Private Secondary Schools                   | 4                   | 380             | 42              |
| Private Religious Primary Schools           | 0                   | 0               | 0               |
| Private Religious Secondary Schools         | 0                   | 0               | 0               |
| Chinese Independent Schools                 | 5                   | 2,781           | 184             |
| International Schools                       | 3                   | 1,209           | 144             |
| Expatriate Schools                          | 2                   | 293             | 27              |
| Special Need Schools                        | 3                   | 128             | 20              |
| Language Centres                            | 8                   | 358             | 25              |
| Computer Centres                            | 29                  | 1,418           | 116             |
| Tuition Centres                             | 120                 | 6,100           | 542             |
| Skills Training Centres                     | 24                  | 154             | 48              |
| Kindergartens                               | 325                 | 21,106          | 986*            |
| <b>Total Private Education Institutions</b> | <b>525</b>          | <b>34,097</b>   | <b>2,160</b>    |

Note: Including assistant teachers

Source: Jabatan Pendidikan Swasta, Malaysia

# HEALTH

## Life Expectancy at Birth (Malaysia):

|        | 2002<br>(Projections) | 2003<br>(Projections) | 2004<br>(Projections) |
|--------|-----------------------|-----------------------|-----------------------|
| Male   | 70.2                  | 70.3                  | 70.4                  |
| Female | 75.6                  | 75.9                  | 76.2                  |

Source: Department of Statistics, Malaysia

## Life Expectancy at Birth (Penang):

|        | 2003 |
|--------|------|
| Male   | 70.4 |
| Female | 75.3 |

Source: Penang State Health Department

## Vital Statistics of Penang (per thousand), 1994-2004

|                         | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000  | 2002  | 2003  | 2004  |
|-------------------------|------|------|------|------|------|------|-------|-------|-------|-------|
| Crude Birth Rate        | 22.8 | 24.9 | 23.6 | 21.8 | 20.8 | 20.9 | 19.00 | 18.17 | 17.76 | 16.77 |
| Crude Death Rate        | 6.3  | 5.9  | 6.4  | 6.2  | 6.2  | 6.09 | 6.00  | 6.01  | 5.35  | 5.66  |
| Infant Mortality Rate   | 8.7  | 7.2  | 7.5  | 7.0  | 6.2  | 5.55 | 5.31  | 6.5   | 4.8   | 4.30  |
| Prenatal Mortality Rate | 12.5 | 9.9  | 9.5  | 8.6  | 8.3  | 8.97 | 7.35  | 9.2   | 6.6   | 6.50  |
| Neonatal Mortality Rate | 6.3  | 5.0  | 5.3  | 4.9  | 4.1  | 3.98 | 4.90  | 4.6   | 3.8   | 3.40  |
| Toddler Mortality Rate  | 0.3  | 0.4  | 0.4  | 0.3  | 0.4  | 0.19 | 0.15  | 0.2   | 0.3   | 0.10  |
| Maternal Mortality Rate | 0.6  | 0.3  | 0.3  | 0.4  | 0.5  | 0.16 | 0.16  | 0.6   | 0.3   | 0.44  |

Source: Penang State Health Department

## Penang: Ratio of Medical Professionals – Population, 1994-2003

|         | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Doctor  | 1:1514 | 1:1482 | 1:1432 | 1:1353 | 1:1244 | 1:1194 | 1:1145 | 1:1031 | 1:1028 | 1:1014 |
| Dentist | 1:9365 | 1:9576 | 1:8882 | 1:9258 | 1:9425 | 1:8203 | 1:7871 | 1:7729 | 1:8912 | 1:8335 |
| Nurse   | 1:713  | 1:669  | 1:677  | 1:728  | 1:689  | 1.633  | 1:600  | 1:577  | 1:596  | 1:569  |

Source: Penang State Health Department

## Penang: Health Facilities 1998-2004

|                               | 1998 | 1999 | 2000 | 2002 | 2003 | 2004 |
|-------------------------------|------|------|------|------|------|------|
| Government Hospital           | 5    | 5    | 5    | 5    | 6    | 6    |
| Private Hospital              | 11   | 11   | 11   | 11   | 11   | 11   |
| Private Maternity Home        | 7    | 8    | 8    | 8    | 8    | 8    |
| Private Medical Centre        | 6    | 6    | 6    | 3    | 6    | 6    |
| Mother & Child Health Care    | 12   | 12   | 12   | 14   | 14** | 14** |
| Health Centre                 | 16   | 16   | 16   | 30*  | 30*  | 30*  |
| Rural Clinics                 | 61   | 61   | 61   | 62   | 62   | 62   |
| Midwives-quarters-cum-clinics | 3    | 3    | 3    | 2    | 2    | 2    |

\* Inclusive of Polyclinic & Hospitals' Outpatient Department

\*\* Inclusive of MCH Clinic located in Health Clinic Building

Source: Penang State Health Department

## Penang: Number of Hospital Beds (Government & Private) and Ratio of Hospital Beds to Population, 2004

|       | Government | Private | Total | Ratio |
|-------|------------|---------|-------|-------|
| Total | 1955       | 1955    | 3910  | 1:369 |

Source: Penang State Health Department

## Penang: Number of Beds, Bed Occupancy Rate (BOR) & Average Length of Stay (ALOS) for Government Hospitals, 2004

| Hospital                       | 2004         |              |             |
|--------------------------------|--------------|--------------|-------------|
|                                | Beds         | BOR          | ALOS        |
| Hospital Pulau Pinang          | 1,090        | 63.54        | 5.29        |
| RHSP (Hospital Seberang Jaya)  | 314          | 85.56        | 3.01        |
| RHSP (Hospital Bukit Mertajam) | 242          | 42.78        | 3.25        |
| Hospital Sungai Bakap          | 130          | 37.61        | 2.79        |
| Hospital Balik Pulau           | 71           | 61.69        | 6.11        |
| Hospital Kepala Batas*         | 108          | 33.20        | 3.35        |
| <b>Total</b>                   | <b>1,955</b> | <b>61.04</b> | <b>4.15</b> |

RHSP = Rangkaian Hospital Seberang Perai (A merging hospital which consists of Hospital Seberang Jaya & Hospital Bukit Mertajam, but physically still 2 hospitals)

\* Hospital Kepala Batas commenced its services on 1<sup>st</sup> Jan 2003

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

## Penang: HIV/AIDS (Total Identified Cases), 1999-2004

|      | 1999    | 2000   | 2001   | 2002   | 2003   | 2004   |
|------|---------|--------|--------|--------|--------|--------|
| HIV  | 225     | 194    | 215    | 268    | 266    | 308    |
| AIDS | 105(55) | 70(52) | 69(34) | 88(45) | 49(20) | 59(34) |

Note: ( ) = deaths

Source: Penang State Health Department

## Penang: 10 Main Causes of Hospital Deaths (Government), 2003

| Ranking               | Main Causes of Death   | Total Deaths | % of Deaths to Total Hospital Deaths |
|-----------------------|--|--------------|--------------------------------------|
| 1                     | Septicaemia  | 427          | 17.63%                               |
| 2                     | Cerebro-Vascular Diseases  | 281          | 11.60%                               |
| 3                     | Ischaemic Heart Diseases   | 266          | 10.98%                               |
| 4                     | Malignant Neoplasm   | 251          | 10.36%                               |
| 5                     | Transport Accidents  | 187          | 7.72%                                |
| 6                     | Pneumonia  | 173          | 7.14%                                |
| 7                     | Diseases of Pulmonary Circulation and other form of Heart Diseases | 123          | 5.08%                                |
| 8                     | Diseases of the Digestive System                                   | 107          | 4.42%                                |
| 9                     | Renal Failure  | 78           | 3.22%                                |
| 10                    | Certain Conditions Originating in the Perinatal Period             | 73           | 3.01%                                |
| <b>Other Diseases</b> |  | 456          | 18.83%                               |
| <b>Total Deaths</b>   |  | 2,422        | 100%                                 |

Source: Penang State Health Department

# SELECTED NATIONAL STATISTICS

## Malaysia: Gross Domestic Product by Sector (Current Prices & 1987 Prices)

| Component   | Q4/04   | Q1/05   | RM Million<br>Q2/05 | Q3/05   | Q4/04   |
|---|---------|---------|---------------------|---------|---------|
| National Accounts (GDP) at Current Prices             | 118,628 | 115,821 | 119,999             | 128,506 | 130,218 |
| Agriculture, Forestry and Fishing                     | 10,561  | 9,589   | 10,708              | 11,545  | 11,041  |
| Mining and Quarrying                                  | 16,819  | 17,068  | 16,733              | 20,924  | 20,453  |
| Manufacturing   | 36,445  | 35,812  | 37,056              | 38,151  | 39,675  |
| Electricity, Gas and Water                            | 3,441   | 3,485   | 3,676               | 3,706   | 3,567   |
| Construction  | 3,820   | 3,536   | 3,896               | 3,892   | 3,881   |
| Wholesale and Retail Trade, Hotel and Restaurants     | 15,791  | 15,306  | 15,479              | 16,896  | 17,503  |
| Transport, storage and Communication                  | 7,818   | 7,796   | 7,963               | 8,199   | 8,393   |
| Finance, Insurance, real estate and business services | 12,720  | 12,372  | 12,806              | 13,314  | 13,558  |
| Other Services  | 7,137   | 7,054   | 7,311               | 7,563   | 7,638   |
| Government Services                                   | 8,498   | 8,193   | 8,650               | 8,939   | 9,261   |
| Less : Imputed bank service charges                   | 5,955   | 6,007   | 6,173               | 6,305   | 6,124   |
| Plus : import duties                                  | 1,533   | 1,617   | 1,896               | 1,710   | 1,372   |
| National Accounts (GDP) at 1987 Prices                | 64,645  | 62,798  | 64,483              | 66,772  | 67,976  |
| Agriculture, Forestry and Fishing                     | 5,475   | 4,983   | 5,419               | 5,767   | 5,416   |
| Mining and Quarrying                                  | 4,568   | 4,503   | 4,108               | 4,418   | 4,475   |
| Manufacturing   | 20,078  | 19,685  | 20,318              | 20,850  | 21,540  |
| Electricity, Gas and Water                            | 2,587   | 2,621   | 2,766               | 2,789   | 2,684   |
| Construction  | 1,820   | 1,676   | 1,829               | 1,818   | 1,809   |
| Wholesale and Retail Trade, Hotel and Restaurants     | 9,529   | 9,188   | 9,203               | 9,843   | 10,203  |
| Transport, storage and Communication                  | 5,655   | 5,710   | 5,669               | 5,819   | 5,964   |
| Finance, Insurance, real estate and business services | 9,711   | 9,409   | 9,880               | 10,035  | 10,244  |
| Other Services  | 4,966   | 4,955   | 5,046               | 5,151   | 5,194   |
| Government Services                                   | 4,824   | 4,640   | 4,899               | 5,062   | 5,230   |
| Less : Imputed bank service charges                   | 5,758   | 5,831   | 6,120               | 6,091   | 5,833   |
| Plus : import duties                                  | 1,191   | 1,258   | 1,466               | 1,309   | 1,050   |

Source: Bank Negara Malaysia

Note: Data is subject to adjustments and revisions by Bank Negara Malaysia

## Malaysia: Exchange Rates

| Period  | USD    | GBP    | EUR    | AUD    | JPY100 | SGD    |
|---------|--------|--------|--------|--------|--------|--------|
| Q4/2004 | 3.8000 | 7.0934 | 4.9289 | 2.8751 | 3.5967 | 2.2944 |
| Q1/2005 | 3.8000 | 7.1918 | 4.9909 | 2.9544 | 3.6376 | 2.3240 |
| Q2/2005 | 3.8000 | 7.0510 | 4.7833 | 2.9199 | 3.5334 | 2.2905 |
| Q3/2005 | 3.7715 | 6.7339 | 4.6022 | 2.8661 | 3.3911 | 2.2516 |
| Q4/2005 | 3.7766 | 6.6003 | 4.4892 | 2.8093 | 3.2212 | 2.2377 |
| Q1/2006 | 3.7256 | 6.5265 | 4.4817 | 2.7505 | 3.1888 | 2.2891 |

Source: Bank Negara Malaysia

| Currency            | 2004     | 2005     | 2005     | January<br>2006 | % Change |
|---------------------|----------|----------|----------|-----------------|----------|
|                     | 2004     | 2005     |          | 2006            |          |
| Per Unit            |          |          |          |                 |          |
| US dollar           | 3.8000   | 3.7871   | 3.8000   | 3.7527          | 1.3      |
| Pound Sterling      | 6.9652   | 6.8939   | 7.1449   | 6.6275          | 9.7      |
| Singapore Dollar    | 2.2487   | 2.2759   | 2.3199   | 2.2982          | 7.8      |
| Euro                | 4.7262   | 4.7165   | 4.9928   | 4.5519          | 0.9      |
| Per 100 Units       |          |          |          |                 |          |
| Japanese Yen        | 3.5154   | 3.4459   | 3.6803   | 3.2561          | 13.0     |
| Thai Baht           | 9.4437   | 9.4127   | 9.8021   | 9.4593          | 3.6      |
| Philippine Peso     | 6.7801   | 6.8803   | 6.8202   | 7.1329          | -4.4     |
| Indonesia Rupiah    | 0.0426   | 0.0391   | 0.0413   | 0.0396          | 4.3      |
| Saudi Arabian Riyal | 101.4104 | 100.9792 | 101.3271 | 101.0627        | 1.3      |

Source: The Malaysian Economy in Brief, February 2006, Department of Statistics, Malaysia

## Malaysia: National Indices & Employment Data

|   | Unit Description  | Latest Period | Latest Data | Previous Period |
|---|-------------------|---------------|-------------|-----------------|
| Industrial Production Index                                     | 2000=100          | Feb-06        | 121.3       | 130.2           |
| Employment  | (million persons) | Q4/2005       | 9.998       | 10.101          |
| Employment  | % of labour force | Q4/2005       | 96.2        | 96.2            |
| Unemployment  | (million persons) | Q4/2005       | 0.400       | 0.398           |
| Unemployment  | % of labour force | Q4/2005       | 3.8         | 3.8             |
| Average salaries and wages per employee in manufacturing sector | RM per month      | Feb-06        | 1,790.3     | 1,854.7         |
| Consumer Price Index  | 2005=100          | Mar-06        | 103.4       | 101.9           |
| Producer Price Index  | 1989=100          | Feb-06        | 170.3       | 168.8           |

Source: Bank Negara Malaysia

## Malaysia: Federal Government Accounts

| Component                     | RM Million |         |         |
|-------------------------------|------------|---------|---------|
|                               | 2002       | 2003    | 2004    |
| Public Sector Operations      |            |         |         |
| General Government            |            |         |         |
| Revenue                       | 96,763     | 107,055 | 116,328 |
| Operating Expenditure         | 75,450     | 84,163  | 101,649 |
| Current Account               | 21,313     | 22,892  | 14,679  |
| NPFE's Operating Surplus      | 45,324     | 55,651  | 81,875  |
| Public Sector Current Account | 66,637     | 78,543  | 96,554  |
| Net Development Expenditure   | 69,125     | 83,315  | 56,716  |
| Public Sector Overall Balance | -2,488     | -4,772  | 39,838  |
| Domestic Financing            | -4,699     | 15,147  | -37,872 |
| Bank                          | -13,139    | -6,104  | -60,731 |
| Non-Bank                      | 8,440      | 21,251  | 22,859  |
| Foreign Borrowing             | 7,187      | -10,375 | -1,966  |

Source: Bank Negara Malaysia

## Malaysia: Producer Price Index

1989 = 100

| Section   | Weights | January Average |       |       |          |
|---|---------|-----------------|-------|-------|----------|
|   |         | 2005            | 2005  | 2006  | % Change |
| Food & Live Animals Chiefly for Food              | 14.88   | 141.1           | 137.7 | 141.3 | 2.6      |
| Beverages and Tobacco                             | 2.08    | 170.6           | 169.9 | 171.8 | 1.1      |
| Crude Materials, Inedible Except Fuels            | 17.96   | 137.0           | 132.0 | 145.0 | 9.8      |
| Mineral Fuel / Lubricants & Related Materials     | 18.82   | 274.4           | 219.4 | 309.7 | 41.2     |
| Animal & Vegetable Oils & Fats                    | 8.47    | 172.7           | 168.3 | 171.4 | 1.8      |
| Chemicals & Related Products N.E.S.               | 4.42    | 127.3           | 126.9 | 125.1 | -1.4     |
| Manufactured Goods Classified Chiefly by Material | 10.82   | 128.6           | 128.0 | 128.8 | 0.6      |
| Machinery & Transport Equipment                   | 18.35   | 110.9           | 110.4 | 110.6 | 0.2      |
| Miscellaneous Manufactured Articles               | 3.61    | 131.8           | 129.9 | 132.5 | 2.0      |
| Commodities & Transactions N.E.C. in the S.I.T.C. | 0.59    | 130.1           | 130.1 | 130.1 | 0.0      |
| Total   | 100.00  | 160.8           | 148.5 | 168.8 | 13.7     |

Source: The Malaysian Economy in Brief, February 2006, Department of Statistics, Malaysia

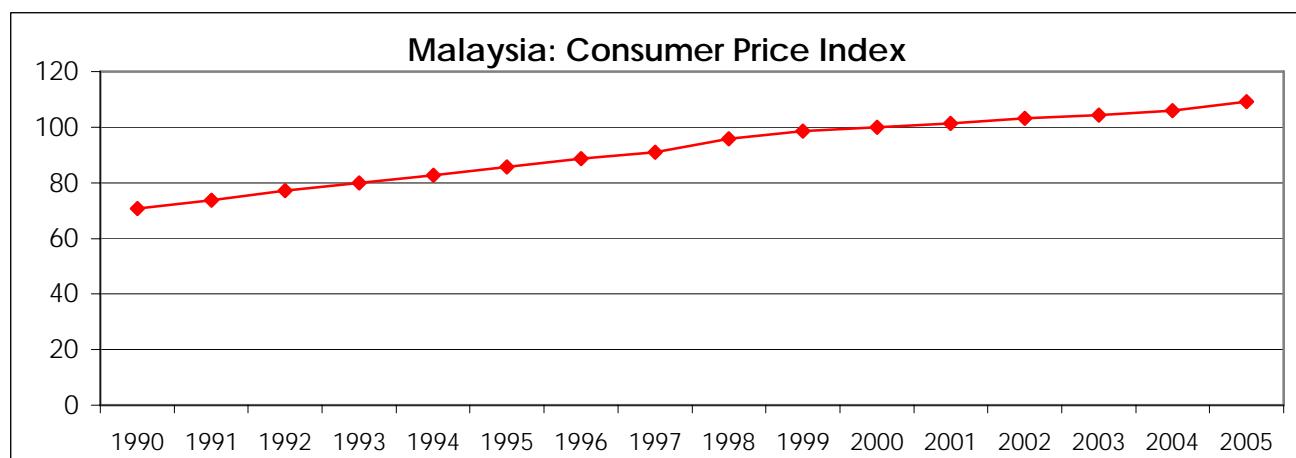
## Malaysia: Consumer Price Index

2000 = 100

| Period | All Groups | Food  | Beverages & Tobacco | Clothing & Footwear | Gross Rent, Fuel & Power | Furniture, Furnishings & Household Equipment & Operation | Medical Care & Health Expenses | Transport & Communication | Recreation, Entertainment, Education & Cultural Services | Miscellaneous Goods & Services |       |
|--------|------------|-------|---------------------|---------------------|--------------------------|--|--------------------------------|---------------------------|--|--------------------------------|-------|
| 1990   | 70.6       | 62.0  | 57.8                | 96.0                | 74.6                     | 82.7   | 68.3                           | 78.2                      | 82.7   | 73.3                           |       |
| 1991   | 73.6       | 65.0  | 62.3                | 102.0               | 76.9                     | 86.4   | 71.9                           | 81.5                      | 84.9   | 75.9                           |       |
| 1992   | 77.1       | 69.2  | 67.6                | 105.0               | 79.7                     | 88.7   | 74.4                           | 85.1                      | 87.4   | 77.6                           |       |
| 1993   | 79.9       | 70.8  | 77.7                | 105.5               | 82.5                     | 89.9   | 78.2                           | 89.9                      | 87.8   | 79.7                           |       |
| 1994   | 82.8       | 74.6  | 81.5                | 104.7               | 84.5                     | 91.3   | 80.9                           | 94.0                      | 88.3   | 81.6                           |       |
| 1995   | 85.7       | 78.2  | 83.4                | 104.7               | 87.3                     | 93.8   | 83.4                           | 95.7                      | 90.6   | 85.1                           |       |
| 1996   | 88.7       | 82.7  | 85.2                | 103.9               | 90.1                     | 94.9   | 86.4                           | 97.0                      | 93.6   | 87.2                           |       |
| 1997   | 91.0       | 86.1  | 86.4                | 103.4               | 93.0                     | 95.0   | 89.6                           | 97.6                      | 94.0   | 91.2                           |       |
| 1998   | 95.8       | 93.8  | 90.1                | 103.9               | 97.0                     | 98.7   | 95.1                           | 97.5                      | 97.0   | 97.6                           |       |
| 1999   | 98.5       | 98.1  | 97.2                | 101.8               | 98.6                     | 100.0  | 98.0                           | 98.0                      | 99.4   | 99.1                           |       |
| 2000   | 100.0      | 100.0 | 100.0               | 100.0               | 100.0                    | 100.0  | 100.0                          | 100.0                     | 100.0  | 100.0                          |       |
| 2001   | 101.4      | 100.7 | 104.8               | 97.4                | 101.4                    | 100.1  | 102.9                          | 103.6                     | 99.9   | 100.7                          |       |
| 2002   | 103.2      | 101.4 | 109.2               | 95.2                | 102.1                    | 99.7   | 105.4                          | 110.4                     | 100.1  | 101.8                          |       |
| 2003   | 104.4      | 102.7 | 111.0               | 93.3                | 103.1                    | 99.1   | 107.2                          | 112.2                     | 100.7  | 103.1                          |       |
| 2004   | 105.9      | 105.0 | 119.7               | 91.6                | 104.0                    | 99.5   | 108.7                          | 113.1                     | 100.6  | 105.0                          |       |
| 2005   | 109.1      | 108.8 | 132.3               | 90.7                | 105.2                    | 101.5  | 110.4                          | 118.1                     | 101.1  | 107.5                          |       |
| 2005   | Jan        | 107.5 | 107.3               | 129.8               | 91.3                     | 104.5  | 100.0                          | 109.5                     | 114.4  | 101.1                          | 106.4 |
|        | Feb        | 107.6 | 107.3               | 129.9               | 91.2                     | 104.8  | 100.4                          | 109.6                     | 114.5  | 100.9                          | 106.4 |
|        | Mar        | 107.7 | 107.5               | 130.0               | 90.8                     | 104.9  | 100.5                          | 109.8                     | 114.6  | 101.0                          | 106.6 |
|        | Apr        | 108.0 | 108.1               | 130.1               | 91.1                     | 104.9  | 100.9                          | 110.0                     | 114.6  | 101.0                          | 106.7 |
|        | May        | 108.8 | 108.5               | 130.5               | 90.9                     | 105.1  | 101.1                          | 110.2                     | 118.0  | 100.9                          | 107.0 |
|        | June       | 109.0 | 109.0               | 130.7               | 90.7                     | 105.2  | 101.2                          | 110.3                     | 118.1  | 101.2                          | 107.1 |
|        | July       | 109.0 | 108.7               | 130.9               | 91.1                     | 105.2  | 101.3                          | 110.4                     | 118.3  | 101.2                          | 107.4 |
|        | Aug        | 109.7 | 109.1               | 131.1               | 89.8                     | 105.5  | 101.7                          | 110.6                     | 120.8  | 101.2                          | 107.6 |
|        | Sept       | 109.8 | 109.2               | 131.2               | 90.8                     | 105.5  | 101.9                          | 110.8                     | 120.9  | 101.2                          | 108.0 |
|        | Oct        | 110.3 | 109.7               | 137.6               | 90.2                     | 105.6  | 102.6                          | 110.8                     | 120.9  | 101.2                          | 108.5 |
|        | Nov        | 110.7 | 110.4               | 137.7               | 90.8                     | 105.9  | 102.9                          | 111.1                     | 121.1  | 101.2                          | 108.7 |
|        | Dec        | 111.0 | 111.1               | 137.9               | 90.1                     | 105.9  | 102.9                          | 111.1                     | 121.1  | 101.2                          | 109.8 |

Note: Data from 1981 – 1990 refers to Consumer Price Index (1980=100) for Malaysia, and data from 1991 – 1997 refers to CPI (1994=100) for Malaysia. Data from 1998 refers to CPI (2000=100) for Malaysia.

Source: Department of Statistics, Malaysia



Source: Department of Statistics, Malaysia

## Malaysia: Index of Industrial Production

2000 = 100

| Period | All Divisions | Mining | Electricity | Manufacturing | Export-Oriented Industries | Domestic-oriented Industries |
|--------|---------------|--------|-------------|---------------|----------------------------|------------------------------|
| Weight | 100.0         | 23.37  | 5.96        | 70.67         | 0.80                       | 0.20                         |
| 2000   | 100.0         | 100.0  | 100.0       | 100.0         | 100.0                      | 100.0                        |
| 2001   | 96.7          | 103.1  | 108.7       | 93.5          | 91.3                       | 102.5                        |
| 2002   | 101.2         | 104.9  | 119.9       | 98.4          | 95.7                       | 109.0                        |
| 2003   | 110.5         | 110.5  | 126.8       | 109.1         | 107.9                      | 114.0                        |
| 2004   | 122.5         | 117.0  | 137.2       | 123.0         | 123.8                      | 119.9                        |
| 2005   | 127.5         | 117.6  | 145.1       | 129.3         | 130.8                      | 123.2                        |
| 2005   |               |        |             |               |                            |                              |
| Jan    | 124.3         | 126.2  | 139.2       | 122.4         | 122.1                      | 123.3                        |
| Feb    | 114.7         | 109.9  | 129.2       | 115.1         | 115.7                      | 112.7                        |
| Mar    | 132.5         | 127.8  | 150.7       | 132.6         | 133.3                      | 129.5                        |
| Apr    | 124.8         | 113.0  | 146.3       | 126.9         | 126.8                      | 126.9                        |
| May    | 124.7         | 107.9  | 150.5       | 128.0         | 128.4                      | 126.8                        |
| June   | 126.5         | 110.4  | 147.9       | 130.1         | 131.2                      | 125.5                        |
| July   | 128.2         | 114.3  | 148.6       | 131.0         | 132.8                      | 123.9                        |
| Aug    | 131.8         | 120.2  | 151.6       | 133.9         | 136.4                      | 124.1                        |
| Sept   | 132.1         | 117.1  | 148.1       | 135.7         | 137.8                      | 127.4                        |
| Oct    | 134.5         | 122.2  | 145.7       | 137.6         | 140.5                      | 126.1                        |
| Nov    | 126.7         | 118.9  | 137.0       | 128.5         | 131.8                      | 115.2                        |
| Dec    | 129.3         | 122.9  | 146.8       | 129.9         | 133.1                      | 117.3                        |

| Period | Export-Oriented Industries |                         |             |             |                               |                    |                            |                      |                 |                       |        |
|--------|----------------------------|-------------------------|-------------|-------------|-------------------------------|--------------------|----------------------------|----------------------|-----------------|-----------------------|--------|
|        | Total                      | Electronic & Electrical | Of Which    |             | Chemicals & Chemical Products | Petroleum Products | Textiles & Wearing Apparel | Wood & Wood Products | Rubber Products | Off-Estate Processing | Others |
|        |                            |                         | Electronics | Electricals |                               |                    |                            |                      |                 |                       |        |
| 2005   |                            |                         |             |             |                               |                    |                            |                      |                 |                       |        |
| Jan    | 122.1                      | 113.9                   | 123.3       | 95.6        | 135.7                         | 152.8              | 80.3                       | 99.5                 | 148.2           | 123.9                 | 108.1  |
| Feb    | 115.7                      | 110.5                   | 122.0       | 88.1        | 130.3                         | 133.9              | 69.4                       | 101.2                | 141.7           | 111.5                 | 100.5  |
| Mar    | 133.3                      | 130.5                   | 141.4       | 109.1       | 147.6                         | 156.8              | 79.5                       | 115.6                | 135.7           | 129.7                 | 98.3   |
| Apr    | 126.8                      | 125.9                   | 140.4       | 97.6        | 138.8                         | 135.2              | 81.6                       | 114.7                | 135.1           | 130.0                 | 107.1  |
| May    | 128.4                      | 128.7                   | 139.0       | 108.8       | 145.6                         | 125.4              | 81.3                       | 115.4                | 133.7           | 136.3                 | 111.2  |
| June   | 131.2                      | 133.5                   | 148.3       | 104.5       | 142.0                         | 137.4              | 83.2                       | 114.1                | 129.2           | 126.7                 | 109.3  |
| July   | 132.8                      | 131.6                   | 148.6       | 98.4        | 158.8                         | 130.0              | 89.2                       | 114.6                | 132.0           | 135.7                 | 108.5  |
| Aug    | 136.4                      | 134.1                   | 151.5       | 100.1       | 166.6                         | 134.5              | 93.5                       | 112.9                | 132.1           | 142.5                 | 109.2  |
| Sept   | 137.8                      | 139.6                   | 155.3       | 108.9       | 157.7                         | 133.9              | 90.8                       | 112.5                | 131.8           | 148.7                 | 115.8  |
| Oct    | 140.5                      | 138.8                   | 156.8       | 103.8       | 163.1                         | 150.7              | 93.5                       | 110.4                | 132.4           | 145.5                 | 117.0  |
| Nov    | 131.8                      | 128.2                   | 143.9       | 97.7        | 159.0                         | 147.7              | 84.3                       | 98.4                 | 125.6           | 126.8                 | 106.3  |
| Dec    | 133.1                      | 131.5                   | 146.2       | 102.7       | 151.2                         | 156.1              | 82.9                       | 105.9                | 127.8           | 114.6                 | 97.2   |

| Period | Domestic-Oriented Industries |                               |                |                    |                     |                           |                |                  |           |
|--------|------------------------------|-------------------------------|----------------|--------------------|---------------------|---------------------------|----------------|------------------|-----------|
|        | Total                        | Non-metallic Mineral Products | Iron and steel | Food Manufacturing | Transport Equipment | Fabricated Metal Products | Paper Products | Tobacco Products | Beverages |
|        |                              |                               |                |                    |                     |                           |                |                  |           |
| 2005   |                              |                               |                |                    |                     |                           |                |                  |           |
| Jan    | 123.3                        | 115.6                         | 111.5          | 127.5              | 145.3               | 122.8                     | 117.7          | 124.0            | 94.4      |
| Feb    | 112.7                        | 104.2                         | 102.7          | 116.3              | 138.8               | 107.2                     | 114.0          | 99.7             | 78.3      |
| Mar    | 129.5                        | 122.5                         | 112.8          | 133.4              | 157.3               | 125.1                     | 129.8          | 115.5            | 102.9     |
| Apr    | 126.9                        | 117.1                         | 116.3          | 131.4              | 149.2               | 130.8                     | 121.9          | 119.6            | 84.3      |
| May    | 126.8                        | 116.4                         | 114.3          | 134.0              | 147.0               | 129.8                     | 124.4          | 116.8            | 89.1      |
| June   | 125.5                        | 114.7                         | 109.0          | 130.6              | 152.9               | 125.2                     | 124.5          | 114.7            | 101.6     |
| July   | 123.9                        | 111.8                         | 106.3          | 132.7              | 154.4               | 119.9                     | 123.2          | 110.7            | 90.5      |
| Aug    | 124.1                        | 110.9                         | 105.8          | 133.7              | 152.5               | 125.2                     | 118.0          | 119.2            | 92.2      |
| Sept   | 127.4                        | 118.9                         | 101.0          | 137.4              | 156.9               | 122.7                     | 116.0          | 144.2            | 128.0     |
| Oct    | 126.1                        | 118.9                         | 106.9          | 137.8              | 150.0               | 129.3                     | 118.2          | 114.5            | 44.7      |
| Nov    | 115.2                        | 104.0                         | 97.2           | 118.6              | 145.7               | 122.3                     | 105.9          | 116.5            | 59.6      |
| Dec    | 117.3                        | 103.7                         | 85.9           | 122.4              | 152.5               | 121.6                     | 114.5          | 136.0            | 87.7      |

Source: Department of Statistics, Malaysia

Note: Under the new Industrial Production Index (2000=100), LNG processing has been reclassified as petroleum products (previously classified as chemicals and chemical products). Petroleum products have now been categorised under export-oriented industries (previously: domestic-oriented industries).