

# Penang Statistics

December 2005



Submitted to the Penang State Government

by

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## PHYSICAL ATTRIBUTES

### Area:

<b>State of Penang</b>	<b>1031 sq km</b>
Penang Island	293 sq km
Seberang Perai	738 sq km

### Location:

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

### Climate:

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

## DEMOGRAPHY

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

District	1991	2000	2003	2004	2005
	(census)	(census)	(estimate)	(estimate)	(estimate)
Timur Laut	395.7	444.9	469.4	476.2	483.0
Barat Daya	122.8	169.4	187.2	191.3	195.5
Seberang Perai Utara	224.6	259.8	278.8	283.4	288.0
Seberang Perai Tengah	236.3	313.6	341.8	348.8	356.0
Seberang Perai Selatan	84.8	125.7	139.7	143.1	146.3
<b>State of Penang</b>	<b>1,064.2</b>	<b>1,313.4</b>	<b>1,416.9</b>	<b>1,442.8</b>	<b>1,468.8</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
	(census)	(census)	(estimate)	(estimate)
Male	526.0	654.1	715.2	727.3
Female	538.1	659.4	727.6	741.5
<b>Total</b>	<b>1,064.2</b>	<b>1,313.4</b>	<b>1,442.8</b>	<b>1,468.8</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, Malaysia; DOS, Penang.

Note: Slight discrepancies may occur due to rounding.

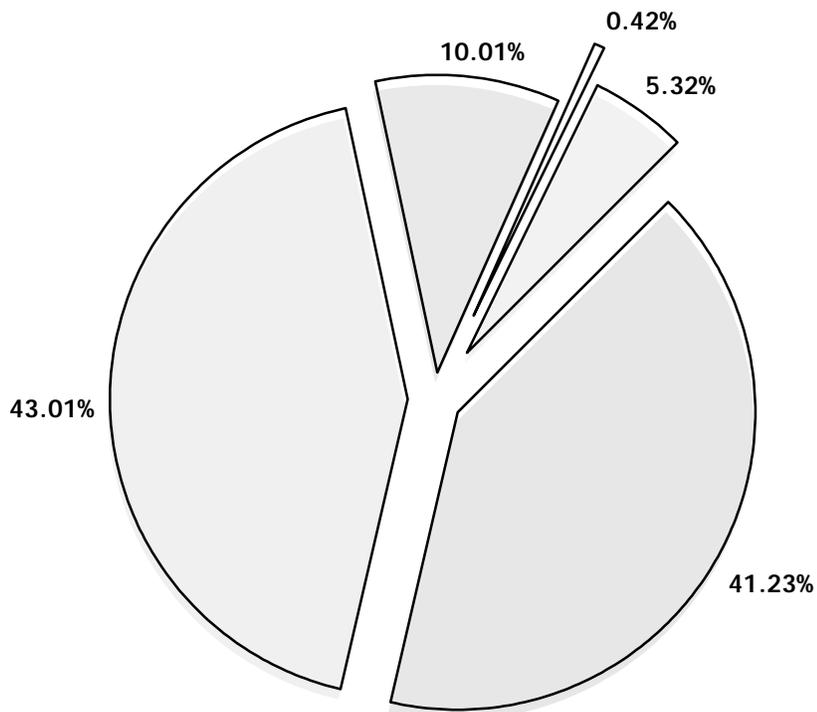
**Penang: Estimated Population by Ethnic Group (in '000)**

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



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(f)
Agriculture, forestry, fishing	296	309	314
Mining & Quarrying	193	178	179
Manufacturing	7,762	8,505	9,043
Construction	393	349	352
Tertiary	10,147	10,691	11,186
Total	18,790	20,032	21,074
Growth Rate		6.6%	5.2%

Source: SERI

Note: Slight discrepancies may occur due to rounding. Projection for 2005 is subject to adjustments and revision by SERI. 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	1.6	1.5	1.5
Mining & Quarrying	1.0	0.9	0.9
Manufacturing	41.3	42.5	42.9
Construction	2.1	1.7	1.7
Tertiary	54.0	53.4	53.1
Total	100.0	100.0	100.0

Source: SERI

**Penang: Gross Regional Product Growth Rates**

	1991-1995	1996-2000	2001-2005	2006-2010(f)
Agri, forestry, fishing	-1.10	1.00	2.00	2.30
M&Q	47.40	5.06	2.50	4.10
Manufacturing	11.86	6.46	8.10	8.90
Construction	12.02	-0.14	2.74	4.64
Services	11.15	4.78	6.60	6.70
Total	11.39	5.26	7.20	7.60
GDP at Market Prices	11.41	4.97	6.90	7.30
GDP per capita	9.80	3.90	5.90	6.20

Source: PSDP2

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

(RM)	2000	2001	2002	2003	2004 (e)
GRP per capita, Penang	13,101.72	12,309.64	12,588.48	13,261.67	13,884.11
Ratio of State to national per capita GDP	1.46	1.40	1.40	1.43	1.43

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

**Penang: Gross Regional Product by Economic Sectors for Quarter 3 2004 & Quarter 3 2005**

Sectors	Penang Sect Share (%)		Volume (RM Million in 1987 Prices)		Relative Growth Rate Q304 - Q305
	Q304	Q305	Q304	Q305	
Agriculture, Forestry & Fishing	1.55%	1.48%	77.8	78.1	0.4%
Mining & Quarrying	0.85%	0.80%	42.7	42.2	-1.1%
Manufacturing	42.50%	42.60%	2,133.4	2,249.3	5.4%
Construction	1.60%	1.55%	80.3	81.8	1.9%
Services	53.50%	53.57%	2,685.6	2,828.5	5.3%
Sum	100.00%	100.00%	5,019.8	5,280.0	5.2%

Source: SERI

## EMPLOYMENT

### 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
Total	83.8	53.4	68.4	81.6	52.2	66.7

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	7397	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 (Metric Tonnes)	Value (RM Million)	%	Production (Metric Tonnes)	Value (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 ('000 tonnes)	Value (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 (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 (Jan - Sept)	761	106	13.9	14,018	1,971.30

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 (Jan-Jul)	2003	2004	2005 (Jan-Jul)
Electrical & Electronic	57	54	25	1,385.4	1,258.6	601.5
Basic Metal Products	3	3	6	52.0	19.7	65.3
Chemicals & Chemical Products	1	7	1	4.1	129.7	0.9
Fabricated Metal Products	26	21	17	148.4	127.7	48.6
Food Manufacturing	4	6	-	42.6	137.9	-
Machinery Manufacturing	16	17	15	93.6	139.1	107.2
Non-Metallic Mineral Products	-	1	1	-	6.2	8.4
Others	-	2	1	-	4.8	8.3
Paper, Printing & Publishing	3	7	3	33.9	69.6	11.9
Petroleum & Petrochemical Products	-	1	-	-	16.1	-
Plastic Products	10	9	7	25.9	42.2	81.0
Rubber Products	3	2	1	9.8	10.9	10.3
Scientific & Measurement Equipment	7	5	1	96.8	31.3	7.2
Textile & Garment	2	0	-	9.1	-	-
Transport Equipment	3	5	1	7.7	2.4	34.9
Wood & Wood Products	-	1	-	-	7.1	-
Beverages & Tobacco	1	0	2	12.7	-	1.1
Furniture & Fixtures	1	2	-	1.0	18.3	-
Leather & Leather Products	n.a	1	-	n.a	8.5	-
<b>TOTAL</b>	<b>137</b>	<b>144</b>	<b>81</b>	<b>1,923.0</b>	<b>2,030.3</b>	<b>986.5</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 (Jan-June)	2002	2003	2004	2005 (Jan-June)
<b>Wilayah Persekutuan</b>								
Kuala Lumpur	22	20	26	12	1,112.6	386.4	163.8	95.2
Labuan	1	-	-	-	12.5	-	-	-
Selangor	239	306	335	152	3,842.9	5,059.4	6,050.3	3,407.7
<b>Pulau Pinang</b>	<b>110</b>	<b>137</b>	<b>144</b>	<b>61</b>	<b>2,398.3</b>	<b>1,923.0</b>	<b>2,030.3</b>	<b>828.5</b>
Perak	46	65	54	24	452.0	2,825.7	1,316.0	363.5
Johor	191	219	256	120	2,333.4	1,956.8	3,987.1	4,288.8
Negeri Sembilan	34	46	44	11	767.8	1,844.1	1,054.3	107.9
Melaka	23	37	56	30	573.2	4,057.7	1,194.1	381.4
Kedah	47	49	65	16	532.1	879.4	5,245.4	182.9
Pahang	13	17	18	9	271.3	922.7	994.7	1,990.4
Kelantan	6	7	9	6	9.5	52.2	106.6	123.5
Terengganu	4	7	5	2	4,740.3	484.8	138.4	251.5
Perlis	3	3	1	2	6.4	30.6	0.5	31.4
Sabah	20	20	40	23	348.6	153.5	338.5	545.0
Sarawak	33	32	45	13	476.0	8,568.4	5,901.2	372.1
Undecided	-	-	3	1	-	-	252.4	0.3
<b>Total</b>	<b>792</b>	<b>965</b>	<b>1,101</b>	<b>482</b>	<b>17,876.9</b>	<b>29,144.7</b>	<b>28,773.5</b>	<b>12,970.0</b>

Source: MIDA Penang

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

# TERTIARY SECTOR

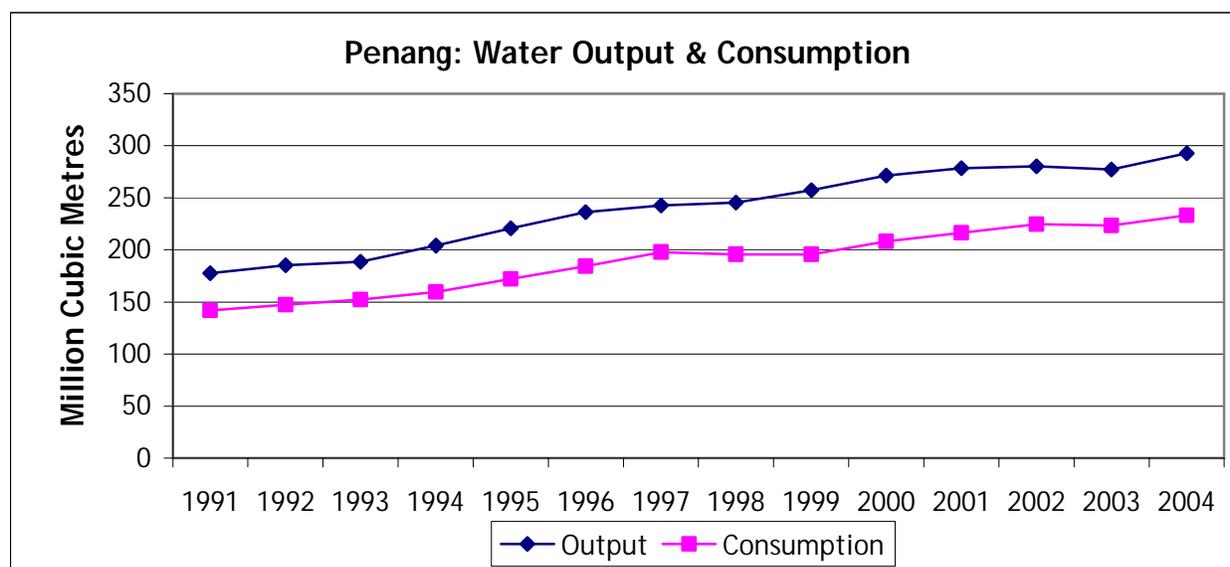
## UTILITIES

### 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 (Jan - Aug)	199,346	-	160,410	-

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 (Jan - Aug)		
	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	323,000	956,818	1,279,818
Average Daily Production (cu.m)	129,977	670,183	800,160	102,084	718,271	820,355
Average Daily Consumption (cu.m)	311,555	325,214	636,769	315,440	344,685	660,125
No. of Services (consumers)	207,563	210,032	417,595	211,260	215,398	426,658
Daily Consumption (cu.m)						
Per Consumer	1.50	1.55	1.52	1.49	1.60	1.55
Per Industrial Consumer	5.75	4.66	5.21	5.75	4.84	5.29
Per Domestic Consumer	1.03	1.08	1.05	1.01	1.11	1.06

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

## ELECTRICITY

### Penang: Electricity Supplied and Consumed

Transaction	2005 (January - September)
<b>Total Supply (GWh)</b>	<b>6,859,789</b>
Consumption of Electricity (Gwh)	
Own Consumption by Private Installation (GWh)	<b>5,100</b>
Distribution by Public Installation by Types of Consumers (GWh)	
Domestic	902,277
Commercial	1,352,962
Industrial	4,122,456
Public Lighting	28,224
<b>Total</b>	<b>6,405,918</b>
Electricity Exported	<b>0</b>
Losses in Transmissions and Statistical Discrepancies	<b>448,771</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%

Source: Tenaga Nasional Berhad, Penang

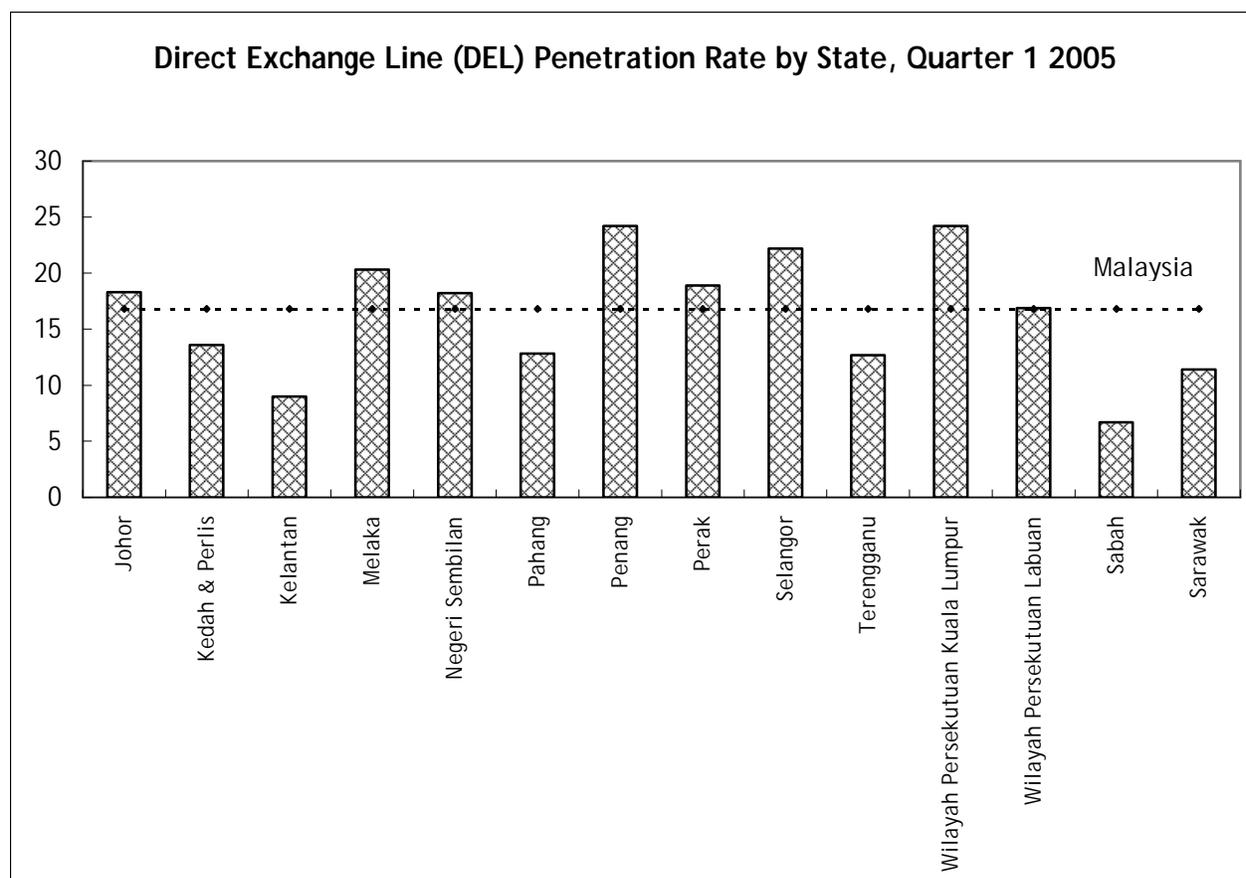
## TELECOMMUNICATIONS

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

State	2003	2004	2005
			Quarter 1
Johor	19.5	18.5	18.3
Kedah & Perlis	15.2	14.3	13.6
Kelantan	10.1	9.2	9.0
Melaka	22.2	20.4	20.3
Negeri Sembilan	19.2	18.2	18.2
Pahang	13.7	12.8	12.8
<b>Penang</b>	<b>25.9</b>	<b>24.2</b>	<b>24.2</b>
Perak	20.0	19.4	18.9
Selangor	23.6	21.9	22.2
Terengganu	13.8	12.9	12.7
Wilayah Persekutuan Kuala Lumpur	25.9	24.6	24.2
Wilayah Persekutuan Labuan	17.7	17.0	16.9
Sabah	7.2	6.7	6.7
Sarawak	12.2	11.5	11.4
<b>Malaysia</b>	<b>18.1</b>	<b>17.2</b>	<b>16.8</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.

Source: Malaysian Communications and Multimedia Commission (MCMC)

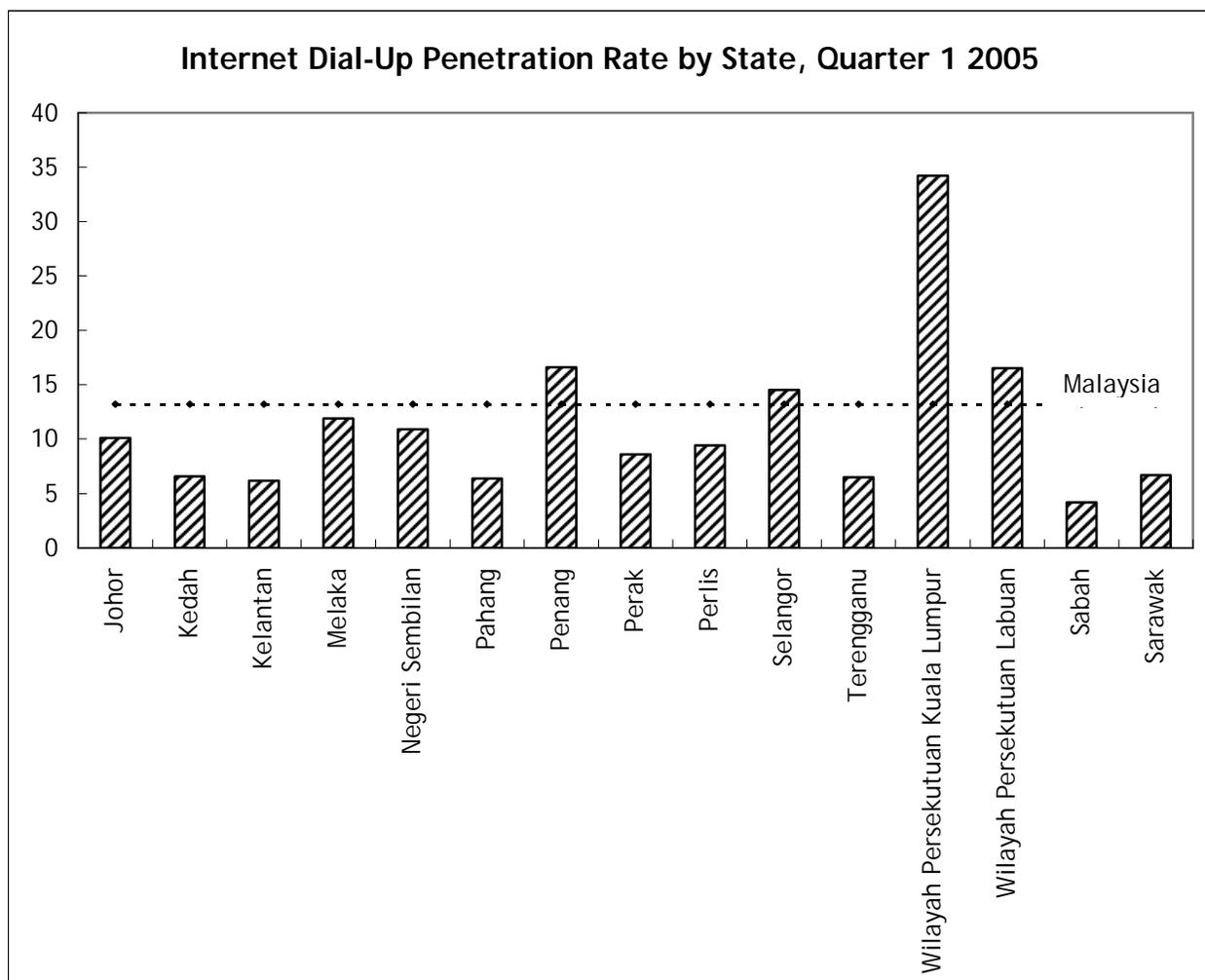


Source: Malaysian Communications and Multimedia Commission (MCMC)

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

State	2003	2004	2005
			Quarter 1
Johor	9.6	9.9	10.1
Kedah	6.3	6.6	6.6
Kelantan	6.9	6.7	6.2
Melaka	11.5	11.8	11.9
Negeri Sembilan	10.5	10.8	10.9
Pahang	6.7	6.3	6.4
<b>Penang</b>	<b>15.8</b>	<b>16.3</b>	<b>16.6</b>
Perak	8.0	8.5	8.6
Perlis	8.3	9.3	9.4
Selangor	14.2	14.3	14.5
Terengganu	6.6	6.5	6.5
Wilayah Persekutuan Kuala Lumpur	32.8	34.5	34.2
Wilayah Persekutuan Labuan	17.8	16.6	16.5
Sabah	3.6	4.2	4.2
Sarawak	6.2	6.7	6.7
<b>Malaysia</b>	<b>11.4</b>	<b>12.7</b>	<b>13.2</b>

Source: MCMC, PIKOM



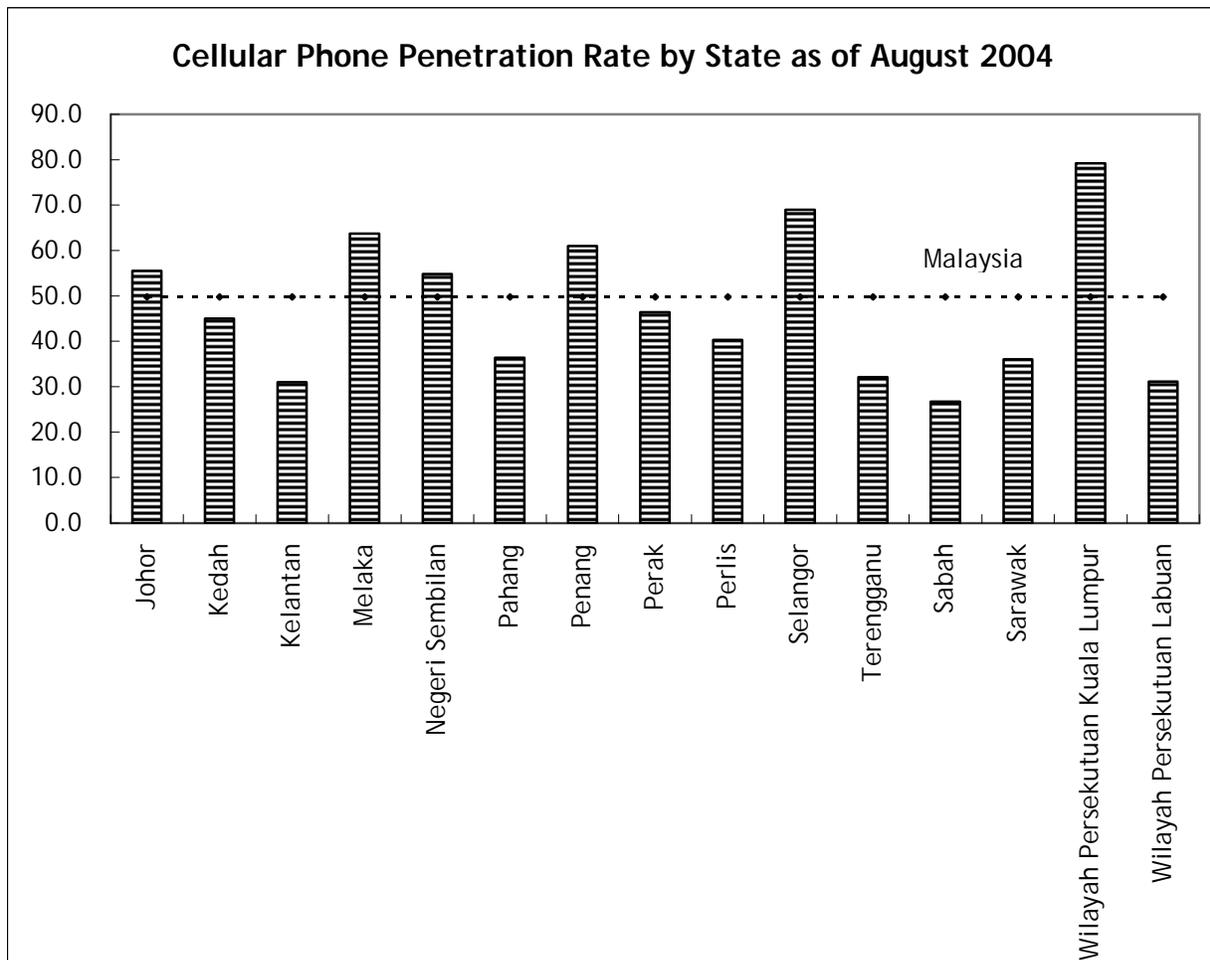
Source: MCMC, PIKOM

**Cellular Phone Penetration Rate by State (as at August 2004)**

State	August 2004
Johor	55.5
Kedah	45.0
Kelantan	31.0
Melaka	63.7
Negeri Sembilan	54.8
Pahang	36.4
<b>Penang</b>	<b>61.0</b>
Perak	46.4
Perlis	40.3
*Selangor	69.0
Terengganu	32.1
Sabah	26.7
Sarawak	36.0
Wilayah Persekutuan Kuala Lumpur	79.2
Wilayah Persekutuan Labuan	31.1
<b>Malaysia</b>	<b>49.8</b>

\* Including WP Putrajaya

Source: MCMC (Derived from Hand Phone Users Survey 2004)



\* Figures for Selangor is including WP Putrajaya

Source: MCMC (Derived from Hand Phone Users Survey 2004)

## ROAD TRANSPORT

### New Motor Vehicle Registration, 2004

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Cars	Others	Total
January	Penang	3,896	3,632	7	6	167	4	53	7,765
	Malaysia	33,936	34,135	363	110	1,981	96	1,016	71,637
February	Penang	3,165	2,968	11	11	109	2	21	6,287
	Malaysia	31,298	28,970	404	87	1,825	104	968	63,656
March	Penang	4,093	4,157	9	7	254	3	43	8,566
	Malaysia	35,914	40,268	531	68	2,943	146	2,002	81,872
April	Penang	4,110	4,035	24	6	205	7	37	8,424
	Malaysia	34,886	39,530	666	90	2,958	94	1,433	79,657
May	Penang	3,725	3,678	29	19	227	9	65	7,752
	Malaysia	31,403	36,024	716	119	2,688	126	1,190	72,266
June	Penang	3,862	4,840	30	28	231	6	72	9,069
	Malaysia	33,858	44,087	897	134	3,189	126	1,173	83,464
July	Penang	4,170	5,126	39	12	242	4	31	9,624
	Malaysia	36,153	47,416	904	118	3,319	100	1,350	89,360
August	Penang	4,126	4,475	36	6	185	4	78	8,910
	Malaysia	33,032	39,838	797	108	2,933	179	1,336	78,223
September	Penang	4,046	4,302	33	11	168	4	26	8,590
	Malaysia	35,068	42,084	932	103	3,225	146	1,567	83,125
October	Penang	3,564	4,268	18	11	221	10	79	8,171
	Malaysia	33,124	42,963	794	143	3,032	336	1,779	82,171
November	Penang	3,216	3,334	10	15	150	7	30	6,762
	Malaysia	28,870	34,994	407	91	2,122	160	1,278	67,922
December	Penang	3,566	4,365	16	14	229	16	155	8,361
	Malaysia	30,435	41,807	335	119	2,954	184	3,176	79,010

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

### 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

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

**Motor Vehicle Re-registration, 2004**

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Cars	Others	Total
January	Penang	780,571	529,513	2,672	4,173	42,937	383	14,164	1,374,413
	Malaysia	6,199,306	5,463,722	60,882	53,034	742,248	10,181	362,038	12,891,411
February	Penang	784,789	532,657	2,686	4,191	43,084	382	14,177	1,381,966
	Malaysia	6,231,728	5,493,430	61,052	53,156	743,893	10,228	362,931	12,956,418
March	Penang	789,799	536,961	2,693	4,220	43,421	376	14,193	1,391,663
	Malaysia	6,268,665	5,534,427	61,294	53,327	746,682	10,271	364,802	13,039,468
April	Penang	794,797	541,263	2,726	4,238	43,700	381	14,258	1,401,363
	Malaysia	6,304,537	5,574,912	61,616	53,466	749,510	10,293	366,145	13,120,479
May	Penang	798,916	545,068	2,749	4,263	44,038	391	14,355	1,409,780
	Malaysia	6,336,376	5,611,721	62,032	53,628	752,123	10,358	367,216	13,193,454
June	Penang	802,957	549,990	2,776	4,313	44,353	393	14,467	1,419,249
	Malaysia	6,370,460	5,656,612	62,647	53,853	755,151	10,375	368,260	13,277,358
July	Penang	807,829	555,308	2,810	4,344	44,624	395	14,481	1,429,791
	Malaysia	6,407,342	5,704,966	63,176	54,047	758,318	10,379	369,443	13,367,671
August	Penang	812,585	560,071	2,849	4,376	44,965	394	14,592	1,439,832
	Malaysia	6,441,065	5,745,913	63,641	54,230	761,192	10,452	370,544	13,447,037
September	Penang	817,845	564,821	2,889	4,411	45,366	393	14,685	1,450,410
	Malaysia	6,477,414	5,789,226	64,254	54,415	764,455	10,476	371,976	13,532,216
October	Penang	822,185	569,356	2,903	4,448	45,666	400	14,777	1,459,735
	Malaysia	6,512,421	5,834,081	64,775	54,641	767,456	10,689	373,679	13,617,742
November	Penang	826,199	573,169	2,911	4,483	45,888	400	14,810	1,467,860
	Malaysia	6,543,222	5,871,838	64,901	54,811	769,672	10,711	375,092	13,690,247
December	Penang	830,511	577,655	2,930	4,497	46,122	406	14,958	1,477,079
	Malaysia	6,572,366	5,911,752	65,008	54,997	772,218	10,661	377,835	13,764,837

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

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

# TRADE

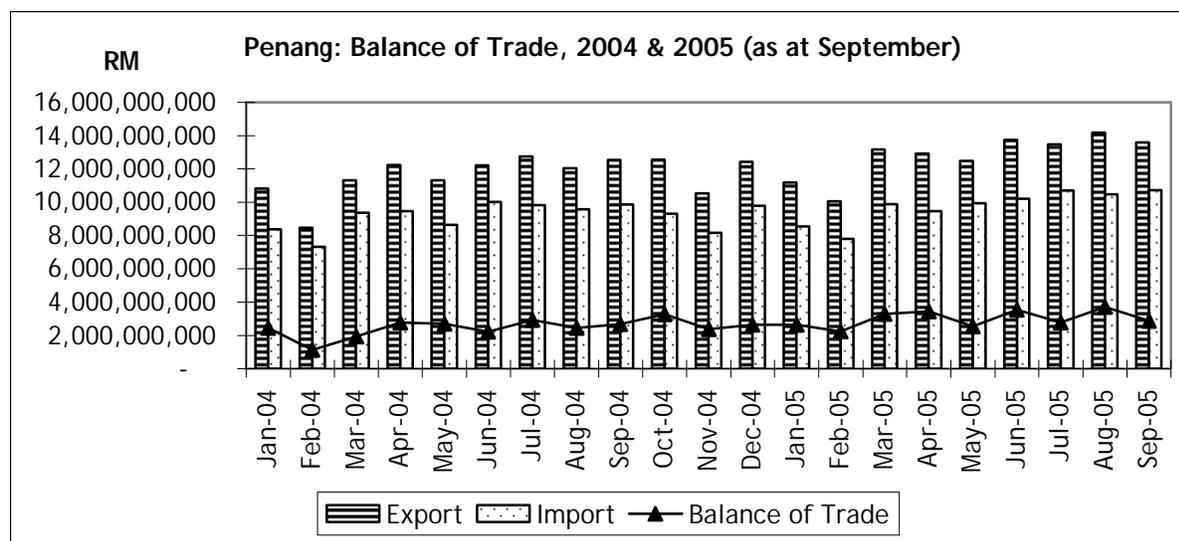
## TRADE BALANCE

### 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
<b>TOTAL</b>	<b>480,740.33</b>	<b>400,076.84</b>	<b>80,663.49</b>	<b>139,161.01</b>	<b>109,613.10</b>	<b>29,547.91</b>
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	46,586.64	36,841.12	9,745.52	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
<b>Jan - Sept</b>	<b>391,168.25</b>	<b>319,977.11</b>	<b>71,191.14</b>	<b>114,772.17</b>	<b>87,673.18</b>	<b>27,098.98</b>

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, 1991-2005**

Year	No. of Movement
1991	30,818
1992	36,826
1993	35,034
1994	35,950
1995	35,556
1996	36,956
1997	35,445
1998	31,816
1999	27,465
2000	27,951
2001	29,102
2002	28,840
2003	26,474
2004	29,182
2004 (Jan - Oct)	23,790
<b>2005 (Jan - Oct)</b>	<b>25,863</b>

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

**Number of Passengers (Domestic & International) per annum, 1991-2005**

Year	No. of Passengers (millions)		
	Domestic	International	Total
1991	1.27	0.90	2.17
1992	1.56	1.08	2.64
1993	1.65	1.13	2.78
1994	1.58	1.20	2.78
1995	1.60	1.25	2.85
1996	1.70	1.18	2.88
1997	1.68	1.23	2.91
1998	1.35	1.10	2.45
1999	1.35	1.10	2.45
2000	1.27	1.48	2.74
2001	1.20	1.35	2.55
2002	1.31	1.21	2.51
2003	1.43	1.00	2.43
2004	1.66	1.34	2.99
2004 (Jan - Oct)	1.35	1.07	2.42
<b>2005 (Jan - Oct)</b>	<b>1.28</b>	<b>1.04</b>	<b>2.32</b>

Note: Slight discrepancies may arise due to rounding.

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

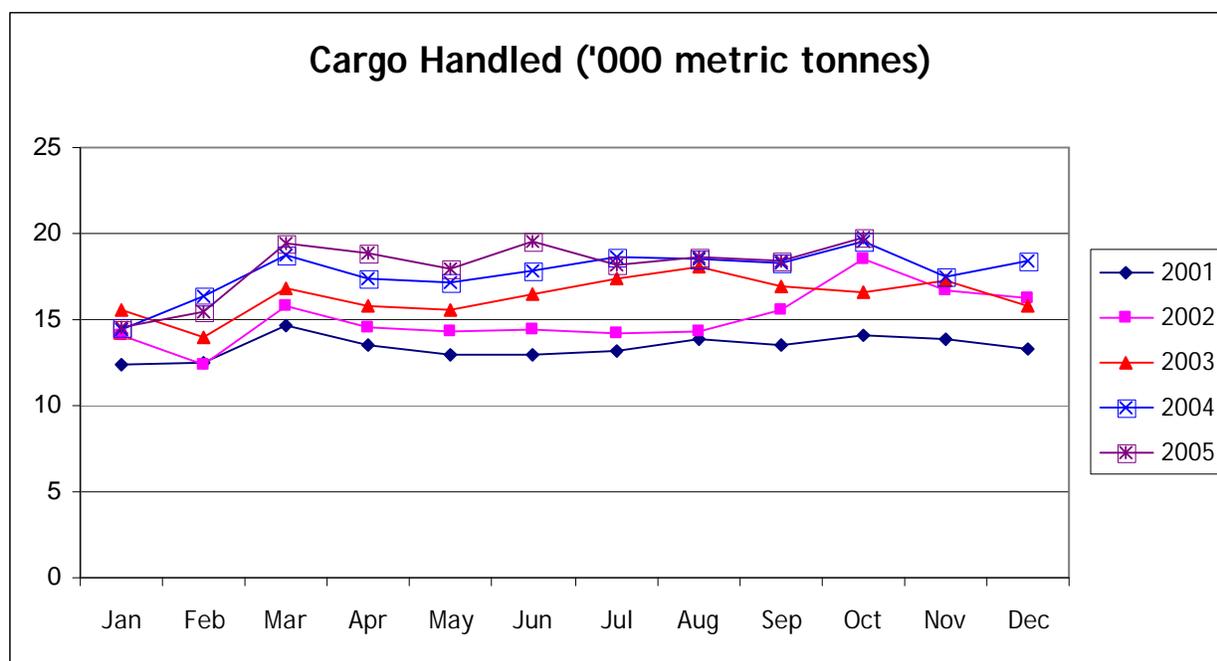
**Cargo Handled (Domestic & International) per annum, 1991-2005**

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
2004 (Jan - Oct)	30.54	146.53	177.07
<b>2005 (Jan - Oct)</b>	<b>37.80</b>	<b>143.01</b>	<b>180.81</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**

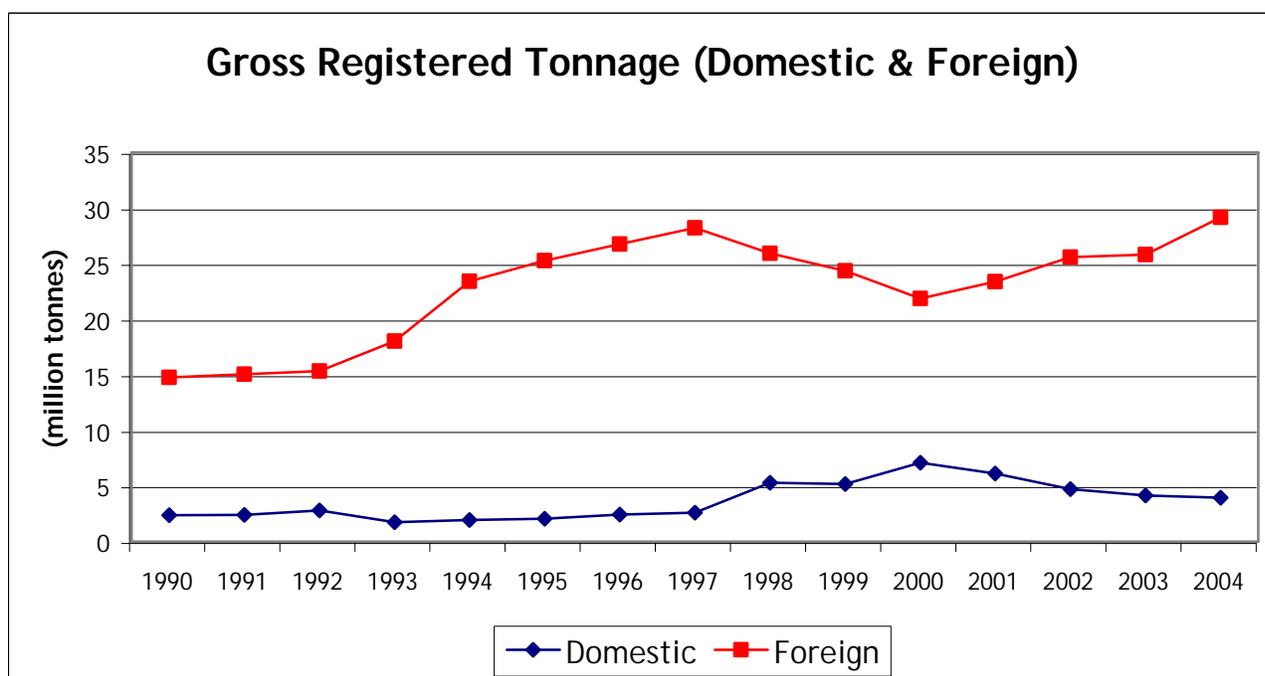
Year	Domestic	Foreign	Total
1990	2,437	3,091	5,528
1991	2,750	3,051	5,801
1992	3,058	3,208	6,266
1993	1,327	4,716	6,043
1994	1,379	4,820	6,199
1995	1,443	5,022	6,465
1996	1,416	5,117	6,533
1997	1,725	5,346	7,071
1998	2,553	5,072	7,625
1999	2,635	4,736	7,371
2000	3,250	4,013	7,263
2001	3,019	4,399	7,418
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**

Year	Domestic	Foreign	Total
1990	2.38	14.78	17.16
1991	2.41	15.05	17.46
1992	2.81	15.33	18.14
1993	1.75	18.02	19.77
1994	1.95	23.40	25.35
1995	2.06	25.26	27.32
1996	2.43	26.76	29.19
1997	2.59	28.23	30.82
1998	5.29	25.93	31.22
1999	5.19	24.35	29.54
2000	7.09	21.87	28.96
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 (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 (2000=100)	38.1	50.7	2.9	8.4	100.0
<b>1988*</b>	90.0	77.9	72.9	87.2	87.7
<b>1989*</b>	92.0	88.1	77.5	92.5	92.2
<b>1990*</b>	100.0	100.0	100.0	100.0	100.0
<b>1991*</b>	110.6	117.6	118.2	111.3	111.7
<b>1992*</b>	113.9	125.5	135.1	116.0	115.7
<b>1993*</b>	118.5	132.7	145.2	125.3	124.3
<b>1994*</b>	126.0	145.0	162.5	143.3	132.5
<b>1995*</b>	149.7	160.0	180.9	151.1	145.0
<b>1996*</b>	153.7	156.4	197.2	170.0	152.1
<b>1997*</b>	165.7	170.8	206.1	184.6	169.2
<b>1998*</b>	157.7	162.7	179.2	167.3	159.4
<b>1999*</b>	161.0	163.4	173.4	169.3	165.4
<b>1999</b>	99.3	98.7	95.5	93.2	97.8
<b>2000**</b>	100.0	100.0	100.0	100.0	100.0
<b>2001</b>	102.9	108.7	85.5	93.2	102.9
<b>2002</b>	115.6	95.1	97.6	96.0	102.6
<b>2003</b>	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 (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, 2002-2003

	No. of Students		No. of Passes		Passing Rate (%)	
	2002	2003	2002	2003	2002	2003
UPSR	22,673	22,855	13,861	14,648	61.2%	64.1%
PMR	19,337	19,227	12,982	18,311	67.0%	95.2%
SPM	19,236	n.a	16,421	n.a	85.4%	n.a
STPM	3,909	n.a	2,967	n.a	98.7%	n.a

Source: Jabatan Pendidikan Negeri, Pulau Pinang

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

Type of Institution	Number of Institutions	Number of Students	Number 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 (Projections)	2003 (Projections)	2004 (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
<b>Total</b>	<b>1955</b>	<b>1955</b>	<b>3910</b>	<b>1:369</b>

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>	<b>2,422</b>	<b>100%</b>

Source: Penang State Health Department

## SELECTED NATIONAL STATISTICS

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

Component	RM Million				
	Q3/04	Q4/04	Q1/05	Q2/05	Q3/05
National Accounts (GDP) at Current Prices	116,238	118,628	115,821	119,999	128,490
Agriculture, Forestry and Fishing	11,318	10,561	9,589	10,708	11,545
Mining and Quarrying	15,725	16,819	17,068	16,733	20,926
Manufacturing	36,237	36,445	35,812	37,056	38,113
Electricity, Gas and Water	3,488	3,441	3,485	3,676	3,714
Construction	3,873	3,820	3,536	3,896	3,892
Wholesale and Retail Trade, Hotel and Restaurants	14,811	15,791	15,306	15,479	16,896
Transport, storage and Communication	7,699	7,818	7,796	7,963	8,182
Finance, Insurance, real estate and business services	12,472	12,720	12,372	12,806	13,314
Other Services	7,035	7,137	7,054	7,311	7,563
Government Services	8,097	8,498	8,193	8,650	8,939
Less : Imputed bank service charges	6,183	5,955	6,007	6,173	6,305
Plus : import duties	1,666	1,533	1,617	1,896	1,710
National Accounts (GDP) at 1987 Prices	63,411	64,645	62,798	64,483	66,757
Agriculture, Forestry and Fishing	5,716	5,475	4,983	5,419	5,767
Mining and Quarrying	4,275	4,568	4,503	4,108	4,422
Manufacturing	20,153	20,078	19,685	20,318	20,829
Electricity, Gas and Water	2,621	2,587	2,621	2,766	2,795
Construction	1,845	1,820	1,676	1,829	1,818
Wholesale and Retail Trade, Hotel and Restaurants	8,951	9,529	9,188	9,203	9,843
Transport, storage and Communication	5,586	5,655	5,710	5,669	5,800
Finance, Insurance, real estate and business services	9,420	9,711	9,409	9,880	10,035
Other Services	4,889	4,966	4,955	5,046	5,167
Government Services	4,595	4,824	4,640	4,899	5,062
Less : Imputed bank service charges	5,942	5,758	5,831	6,120	6,091
Plus : import duties	1,303	1,191	1,258	1,466	1,309

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
Q3/2004	3.8000	6.9120	4.6467	2.6956	3.4571	2.2260
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

Source: Bank Negara Malaysia

Currency	2003	2004	January - October		% Change
			2004	2005	
Per Unit					
US dollar	3.8000	3.8000	3.8000	3.7888	0.3
Pound Sterling	6.2106	6.9652	6.9191	6.9588	-0.6
Singapore Dollar	2.1814	2.2487	2.2367	2.2830	-2.0
Euro	4.2990	4.7262	4.6688	4.7672	-2.1
Per 100 Units					
Japanese Yen	3.2824	3.5154	3.4894	3.4979	-0.2
Thai Baht	9.1578	9.4437	9.4209	9.4582	-0.4
Philippine Peso	7.0112	6.7801	6.7848	6.8570	-1.1
Indonesia Rupiah	0.0444	0.0426	0.0428	0.0393	8.8
Saudi Arabian Riyal	101.3287	101.4104	101.4271	101.0251	0.4

Source: The Malaysian Economy in Brief, November 2005, Department of Statistics, Malaysia

**Malaysia: National Indices & Employment Data**

	Unit Description	Latest Period	Latest Data	Previous Period
Industrial Production Index	1993=100	Nov-05	249.1	248.8
Employment	(million persons)	Q3/2005	10.101	10.216
Employment	% of labour force	Q3/2005	96.2	96.9
Unemployment	(million persons)	Q3/2005	0.398	0.326
Unemployment	% of labour force	Q3/2005	3.8	3.1
Average salaries and wages per employee in manufacturing sector	RM per month	Oct-05	1,733.5	1,777.7
Consumer Price Index	2000=100	Nov-05	110.7	110.3
Producer Price Index	1989=100	Nov-05	162.4	167.3

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**

Section	Weights	October		January - October Average		
		2004	2005	2004	2005	% Change
Food & Live Animals Chiefly for Food	14.88	135.9	141.5	135.6	141.0	4.0
Beverages and Tobacco	2.08	167.4	171.8	167.0	170.3	2.0
Crude Materials, Inedible Except Fuels	17.96	133.0	142.5	133.1	135.9	2.1
Mineral Fuel / Lubricants & Related Materials	18.82	217.7	301.3	216.0	273.6	26.7
Animal & Vegetable Oils & Fats	8.47	202.7	176.1	206.2	173.0	-16.1
Chemicals & Related Products N.E.S.	4.42	124.6	127.6	124.3	127.5	2.6
Manufactured Goods Classified Chiefly by Material	10.82	125.5	129.0	125.1	128.6	2.8
Machinery & Transport Equipment	18.35	110.2	111.0	110.2	110.9	0.6
Miscellaneous Manufactured Articles	3.61	129.5	132.1	129.5	131.6	1.6
Commodities & Transactions N.E.C. in the S.I.T.C.	0.59	130.1	130.1	130.1	130.1	0.0
<b>Total</b>	<b>100.00</b>	<b>150.5</b>	<b>167.3</b>	<b>150.4</b>	<b>160.5</b>	<b>6.7</b>

Source: The Malaysian Economy in Brief, October 2005, Department of Statistics, Malaysia

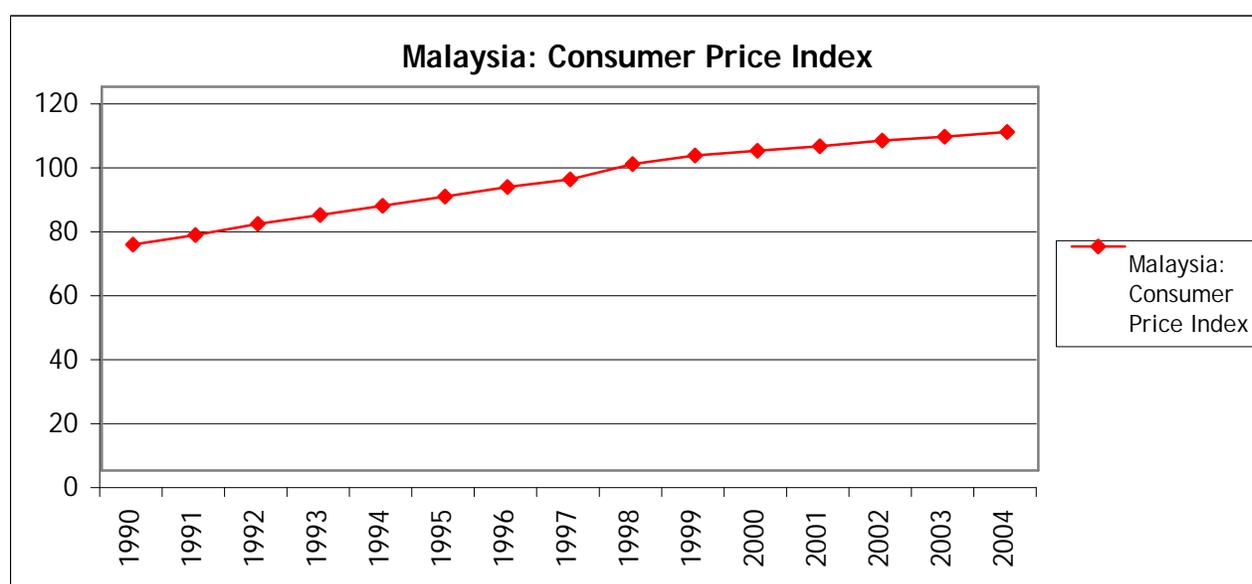
## Malaysia: Consumer Price Index

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										
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

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

1993 = 100

Period	All Divisions	Mining	Electricity	Manufacturing	Export-Oriented Industries	Domestic-oriented Industries
Weight	100.0	22.15	7.44	70.41	73.2	26.8
1997	156.1	122.3	167.3	165.6	165.2	166.8
1998	144.9	123.6	173.0	148.6	156.7	126.3
1999	158.0	119.7	179.7	167.8	177.6	141.2
2000	188.3	119.4	190.7	209.7	223.3	172.1
2001	180.4	122.7	207.1	195.8	200.1	184.1
2002	188.8	124.9	228.5	204.7	210.2	190.4
2003	206.3	131.6	241.7	226.1	235.3	202.0
2004	229.6	139.2	261.7	254.7	268.7	216.4
Q1 2005	231.4	143.6	266.3	255.4	268.4	219.6
Q2 2005	234.1	130.7	282.5	261.6	278.5	215.5
Q3 2005	241.4	139.2	284.9	268.9	287.3	218.5
2005						
Jan	224.1	149.5	265.4	243.2	254.4	212.7
Feb	233.3	130.2	246.2	264.3	282.3	215.0
Mar	236.9	151.0	287.2	258.6	268.6	231.2
Apr	238.5	133.7	278.9	267.2	283.8	221.5
May	236.9	127.7	286.9	266.0	284.0	217.3
June	227.0	130.9	281.9	251.5	267.6	207.7
July	237.7	135.8	283.3	264.9	282.0	218.1
Aug	239.9	142.7	289.1	265.3	282.4	218.9
Sept	246.5	139.1	282.3	276.6	297.7	218.5
Oct	248.7	145.0	277.8	278.3	301.6	214.8

Period	Export-Oriented Industries									
	Total	Electronic & Electrical	Of Which		Textiles & Wearing Apparel	Wood & Wood Products	Chemicals & Chemical Products	Rubber Products	Off-Estate Processing	Others
			Electronics	Electricals						
2005										
Jan	254.4	282.6	390.9	113.1	90.0	94.2	342.2	262.5	254.6	130.1
Feb	282.3	323.2	450.7	123.8	93.6	110.7	366.5	288.2	262.4	151.3
Mar	268.6	307.4	426.1	121.8	89.0	106.6	355.2	241.5	263.1	117.3
Apr	283.8	328.0	460.1	121.3	100.6	116.2	365.1	262.7	264.0	152.2
May	284.0	328.0	452.0	134.2	96.4	113.1	358.2	251.7	300.7	147.0
June	267.6	317.7	443.8	120.5	94.1	103.8	326.7	228.7	273.4	127.3
July	282.0	330.9	466.9	118.2	101.5	112.6	347.3	249.9	286.5	143.2
Aug	282.4	329.8	465.5	117.6	102.5	105.8	354.3	244.8	290.9	139.5
Sept	297.7	358.5	500.3	136.6	102.3	109.0	355.3	247.0	307.9	162.8
Oct	301.6	356.3	507.1	120.4	104.0	104.9	379.9	254.2	300.0	172.4

Period	Domestic-Oriented Industries									
	Total	Non-metallic Mineral Products	Basic Metals	Transport Equipment	Food Manufacturing	Fabricated Metal Products	Paper Products	Tobacco Products	Beverages	Petroleum Products
2005										
Jan	212.7	175.3	201.1	251.9	194.6	279.6	206.4	159.7	155.6	203.6
Feb	215.0	180.0	214.2	281.9	190.4	248.3	223.8	153.5	146.6	214.4
Mar	231.2	177.4	202.7	278.3	187.4	366.8	212.5	168.5	137.8	210.7
Apr	221.5	187.4	223.2	290.7	224.1	237.0	221.6	152.6	157.6	206.1
May	217.3	183.0	215.0	281.3	198.7	257.9	223.1	156.0	151.5	195.2
June	207.7	170.7	189.7	271.4	181.2	263.2	208.4	165.8	138.0	203.2
July	218.1	188.2	198.0	308.9	210.6	234.4	223.8	158.4	145.9	209.7
Aug	218.9	185.7	182.6	298.1	199.1	277.6	212.4	156.2	148.7	211.6
Sept	218.5	194.7	177.1	314.0	196.7	232.0	212.5	224.2	189.9	223.2
Oct	214.8	189.8	179.9	308.1	218.6	234.1	215.9	78.3	149.9	234.4

Source: Department of Statistics, Malaysia