

# Penang Statistics

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by

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*Disclaimer :*

*All data are correct at the time of publication and are subject to adjustments and revision by the respective sources.*

## PHYSICAL ATTRIBUTES

### Area:

State of Penang	1031 sq km
Penang Island	293 sq km
Seberang Perai	738 sq km

### Location:

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

### Climate:

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

## DEMOGRAPHY

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

<i>District</i>	1991	1997	1998	2000	2002
	(census)	(estimated)	(estimated)	(census)	(estimated)
Timur Laut	395.7	433.8	443.7	444.9	466.0
Barat Daya	122.8	147.4	151.6	169.4	181.9
Seberang Perai Utara	224.6	254.9	256.3	259.8	266.1
Seberang Perai Tengah	236.3	278.9	284.9	313.6	337.4
Seberang Perai Selatan	84.8	96.9	97.9	125.7	138.9
<b>State of Penang</b>	<b>1,064.2</b>	<b>1,221.9</b>	<b>1,234.4</b>	<b>1,313.4</b>	<b>1,390.3</b>

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

Note: Slight discrepancies may occur due to rounding.

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

<i>Gender</i>	1991	2000	2001	2002
	(census)	(census)	(estimated)	(estimated)
Male	526.0	654.1	677.9	690.8
Female	538.1	659.4	659.4	699.5
<b>Total</b>	<b>1,064.2</b>	<b>1,313.4</b>	<b>1,337.4</b>	<b>1,390.3</b>

Source: State Population Report, Penang, 1991, DOS, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics, DOS, Malaysia; State/District Data Bank, 2001 & 2002, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

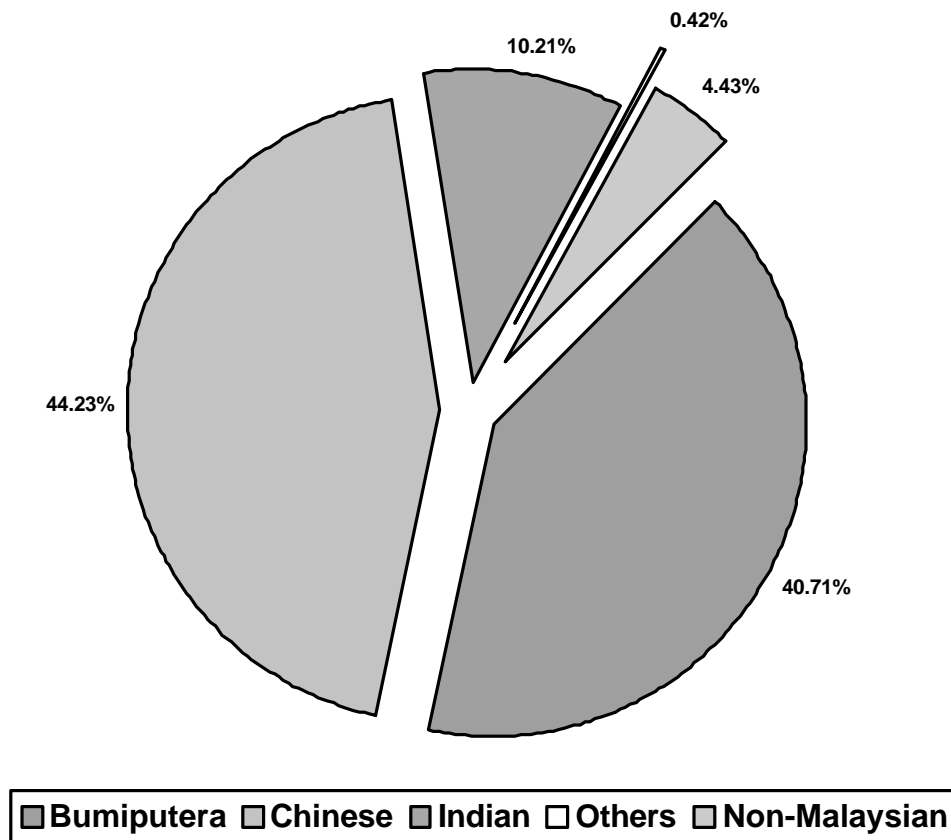
**Penang: Estimated Population by Ethnic Group (in '000)**

<b>Ethnic Group</b>	<b>1991</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
	(census)	(census)	(estimated)	(estimated)
Malaysian:	526.0	1,265.1	1,314.5	1,328.7
Malays	405.4	533.1	582.6	561.5
Other Bumiputera	1.1	3.9	1.4	4.5
Chinese	523.2	588.7	595.5	614.9
Indians	112.8	133.9	133.1	142.0
Others	5.8	5.4	2.1	5.8
Non-Malaysian Citizens	15.9	48.4	22.8	61.6
<b>Total</b>	<b>1,064.2</b>	<b>1,313.4</b>	<b>1,337.4</b>	<b>1,390.3</b>

Source: State Population Report, Penang, 1991, DOS, Malaysia; Population and Housing Census of Malaysia 2000: Population Distribution and Basic Demographic Characteristics, DOS, Malaysia; Social Statistics Bulletin, Malaysia, 2002, DOS, Malaysia; State/District Data Bank 2002, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

**Population By Ethnic Group, 2002**



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

(RM Million)	1990	1995	2000	2001	2002	2003 (f)
Agri, forestry, fishing	228.4	216.3	227.7	267.7	277.36	278.78
M&Q	23.4	162.6	191.1	202.4	196.00	197.61
Manufacturing	3,394.3	5935.0	7860.0	6,926.3	7,235.90	7,578.26
Construction	249.5	439.0	418.2	405.1	369.26	376.68
Tertiary	3,987.0	6761.4	8510.8	8,971.8	9,423.34	9,794.39
Total (@ producers' value)	7,882.2	13,515.1	17,207.8	16,773.3	17,501.86	18,225.72
Total (@ purchasers' value)	7,685.4	13,293.6	16,620.0	16,146.9	16,946.65	17,678.94
CAGR (at market prices)		11.58%	4.57%	-2.85%	4.95%	4.32%

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

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

(RM)	1990	1995	2000	2001	2002
GDP per capita, Penang	6,904.00	11,015.00	12,653.71	12,038.21	12,189.2
Ratio of State to national per capita GDP	1.2	1.4	0.98	0.90	0.88

Source: PSDP2 &amp; SERI

**Penang: Sectoral Share of Gross Domestic Product (%)**

	1990	1995	2000	2001	2002	2003(f)
Agri, forestry, fishing	2.9	1.6	1.3	1.6	1.6	1.5
M&Q	0.3	1.2	1.1	1.2	1.1	1.1
Manufacturing	43.1	43.9	45.7	41.3	41.3	41.6
Construction	3.1	3.3	2.4	2.4	2.1	2.1
Tertiary	50.6	50.0	49.5	53.5	53.8	53.7
Total	100.0	100.0	100.0	100.0	100.00	100.00

Source: PSDP2 &amp; SERI

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

	1999			2000			2001		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Total Malaysian	82.8	53.9	68.0	82.3	55.0	68.4	83.5	57.0	70.2
Malay	83.7	55.5	69.2	83.7	59.2	71.3	86.4	60.7	73.2
Other Bumiputera	100.0	100	100.0	100	82.2	92.0	86.9	39.0	71.2
Chinese	82.0	53.6	67.6	80.8	52.2	66.2	81.0	53.6	67.4
Indian	83.1	47.4	64.9	84.6	51.3	67.7	84.7	56.2	70.6
Others	81.1	56.3	66.9	74.0	72.6	73.4	74.6	81.7	77.9
Non-Malaysian	97.0	77.0	89.0	97.0	84.6	90.0	95.2	79.9	88.4
Total	83.9	55.0	69.3	83.1	57.1	69.8	84.2	58.1	71.2

Source: State/District Data Bank, Malaysia, 2000, 2001 & 2002, DOS, Malaysia

**Penang: Employment by Gender and Economic Sectors (%)**

	1998			1999			2000		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Agri, Forestry & Fishing	4.8	1.1	3.4	3.9	0.7	2.6	4.7	0.8	3.0
M&Q	0.3	0.1	0.2	0.2	0.0	0.2	0.2	0.0	0.1
Manufacturing	36.6	47.2	40.6	35.4	45.3	39.4	34.0	51.2	41.2
Construction	9.9	1.4	6.7	10.1	0.9	6.4	10.3	0.8	6.3
Utilities	1.0	0.1	0.6	0.8	0.2	0.6	0.5	0.0	0.3
Transport, Storage, Comm.	7.8	1.9	5.6	6.3	1.9	4.5	7.4	1.8	20.1
WRHR	19.7	18.5	19.2	20.8	18.5	19.9	22.7	16.5	5.0
FIREBS	4.7	5.4	5.0	6.1	7.6	6.7	4.9	4.9	4.9
Community & Soc Services	15.2	24.4	18.7	16.2	24.9	19.7	15.3	24.0	19.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: State/District Data Bank, Malaysia, 1998, 2000 & 2001, DOS, Malaysia

Note: Slight discrepancies may occur due to rounding.

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

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

Source: Labour Force Survey, DOS, Malaysia and Penang Five-Year Plan 2001-2005

Note: Slight discrepancies may occur due to rounding.

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

Type	Year						
	1995	1997	1998	1999	2000	2001	2002
Rubber	13,487	13,487	13,487	13,097	13,013	12,758	12,172
Oil Palm	16,444	15,158	15,158	13,182	13,018	12,988	13,958
Padi	14,351	14,351	14,351	28,125	28,125	13,448	12,554
Coconut	2,479	2,479	2,479	2,481	2,364	2,339	2,309
Cocoa	1,683	143	143	141	104	104	75
Vegetables	1,314	1,216	1,778	1,711	1,566	1,718	1,545
Fruits	7,110	7,096	6,929	7397	7,283	6,830	6,685
Cloves	224	224	69	87	67	52	41
Nutmeg	168	168	86	81	82	75	41
Cash Crops	199	234	474	416	197	247	139
Others	n.a.	n.a.	n.a.	n.a.	438	87	106
<b>Total</b>	<b>57,459</b>	<b>54,556</b>	<b>54,954</b>	<b>66,718</b>	<b>66,257</b>	<b>50,646</b>	<b>49,626</b>

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

Note: Slight discrepancies may occur due to rounding.

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

Year	Approved Projects			Potential Employment	Capital Investment (RM Million)
	Malaysia	Penang	% of national		
1987	333	59	17.7	16,662	635.74
1988	732	73	10	17,833	729.56
1989	792	115	14.5	27,032	1,183.07
1990	906	132	14.6	24,952	1,867.26
1991	973	125	12.8	22,455	1,525.13
1992	874	119	13.6	14,295	1,096.05
1993	686	87	12.7	10,378	516.82
1994	870	95	10.9	15,203	934.49
1995	898	89	9.9	13,779	1,606.65
1996	782	97	12.4	11,993	3,185.40
1997	759	90	11.9	9,736	1,449.10
1998	844	104	12.3	10,911	2,666.52
1999	725	95	13.1	14,928	4,777.80
2000	798	131	16.5	15,057	4,442.80
2001	928	124	13.4	14,630	3,837.30
2002	792	111	14.0	13,523	2,418.10

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

Industry	No. of Projects		Investment (RM)	
	2003 Jan - Jul		2003 Jan - Jul	
Electrical & Electronic	44		858,881,742	
Beverages & Tobacco	1		12,700,000	
Chemicals & Chemical Products	-		-	
Fabricated Metal Products	13		50,199,827	
Basic Metal Products	-		-	
Machinery Manufacturing	8		44,420,249	
Non-Metallic Mineral Products	-		-	
Plastic Products	4		13,880,899	
Paper, Printing & Publishing	1		21,845,250	
Furniture & Fixtures	1		1,000,000	
Rubber Products	1		1,400,000	
Textile & Garment	1		6,145,540	
Food Manufacturing	2		18,760,000	
Wood & Wood Products	-		-	
Transport Equipment	-		-	
Scientific & Measurement Equipment	-		-	
Petroleum & Petrochemical Products	-		-	
Others	-		-	
<b>Total</b>	<b>76</b>		<b>1,029,233,507</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

State	No. of Projects				Investment (RM Million)			
	2000	2001	2002	2003 (Jan-Jul)	2000	2001	2002	2003 (Jan-Jul)
<b>Wilayah Persekutuan</b>								
Kuala Lumpur	17	23	22	14	177.4	229.4	1,112.6	256.5
Labuan	1	1	1	-	27.0	9.0	12.5	-
Selangor	223	302	238	183	7,802.1	5,825.3	3,823.2	2311.4
<b>Pulau Pinang</b>	<b>132</b>	<b>124</b>	<b>111</b>	<b>76</b>	<b>4,459.6</b>	<b>3,837.3</b>	<b>2,418.1</b>	<b>1029.2</b>
Perak	57	48	46	35	3,058.5	964.5	452.0	521.8
Johor	179	191	191	126	2,454.3	2,462.7	2,333.4	1417.7
Negeri Sembilan	30	34	34	28	2,172.0	2,309.9	767.8	1746.8
Melaka	37	37	23	19	1,001.7	3,453.0	573.2	141.5
Kedah	46	70	47	39	1,016.1	698.5	532.1	848.5
Pahang	25	22	13	11	2,830.4	347.3	271.3	208.6
Kelantan	5	10	6	7	33.3	181.7	9.5	52.2
Terengganu	7	7	4	5	93.8	15.3	4,740.3	461.1
Perlis	1	4	3	2	-	14.1	6.4	30.4
Sabah	14	24	20	14	369.3	4,789.4	348.6	119.0
Sarawak	31	31	33	21	8,114.7	637.7	476.0	587.5
<b>Total</b>	<b>805</b>	<b>928</b>	<b>792</b>	<b>580</b>	<b>33,610.3</b>	<b>25,774.9</b>	<b>17,876.9</b>	<b>9732.2</b>

Source: MIDA Penang

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

**Penang: Manufacturing Industry – Principal Statistics**

Industry Description	No. of Establishments			Total Employees		
	1996	1997	1999	1996	1997	1999
Food Products	270	104	110	8,683	7,851	7,549
Oil & Fats	16	12	-	1,128	952	-
Textile & Apparel	197	65	59	20,004	17,984	20,049
Wood Products excluding furniture	67	19	14	2,913	2,058	1,836
Wood-based furniture	61	8	4	675	1,126	817
Paper Products	152	52	44	9,131	9,286	10,865
Chemical Products	58	32	32	4,248	4,439	4,684
Rubber Products	32	16	12	7,390	9,206	6,415
Plastic Products	108	35	26	10,070	10,973	9,223
Non-metallic Mineral Products	40	14	11	1,482	845	1,057
Basic Iron & Steel Industry	84	26	22	5,870	4,919	4,366
Non-Ferrous Metal Products	10	8	6	2,230	2,044	1,574
Fabricated Metal Products	165	42	39	5,744	7,039	5,341
Non-electrical Machinery	113	47	41	17,192	22,251	17,921
Electrical Machinery	132	64	64	117,038	116,845	111,530
Motor Vehicles & Other Transport	26	16	19	3,498	3,166	2,991
Scientific & Optical Equipment	9	10	10	4,288	4,403	4,585
Others	72	39	47	7,161	6,553	6,565
<b>TOTAL</b>	<b>1612</b>	<b>609</b>	<b>545</b>	<b>228,745</b>	<b>231,940</b>	<b>217,368</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Value Added (RM '000)			Value Added per Employee (RM)		
	1996	1997	1999	1996	1997	1999
Food Products	449,794	502,584	553,997	51,802	64,015	73,387
Oil & Fats	84,013	99,709	-	74,480	104,736	-
Textile & Apparel	540,001	636,663	687,076	26,995	35,402	34,270
Wood Products excluding furniture	74,462	54,197	80,101	25,562	26,335	43,628
Wood-based furniture	18,351	27,919	23,182	27,187	24,795	28,375
Paper Products	360,418	415,627	424,755	39,472	44,758	39,094
Chemical Products	410,719	470,238	570,892	96,685	105,933	121,881
Rubber Products	359,762	615,850	528,053	48,682	66,897	82,315
Plastic Products	347,122	429,905	457,081	34,471	39,178	49,559
Non-metallic Mineral Products	71,413	58,627	75,215	48,187	69,381	71,159
Basic Iron & Steel Industry	531,305	443,918	391,706	90,512	90,246	89,717
Non-Ferrous Metal Products	71,446	100,363	87,018	32,039	49,101	55,285
Fabricated Metal Products	281,155	318,476	259,368	48,948	45,244	48,562
Non-electrical Machinery	1,075,660	1,889,346	1,159,172	62,567	84,911	64,682
Electrical Machinery	5,797,228	6,945,405	10,407,228	49,533	59,441	93,313
Motor Vehicles & Other Transport	251,036	302,918	185,494	71,766	95,678	62,017
Scientific & Optical Equipment	144,224	127,978	195,518	33,634	29,066	42,643
Others	190,716	177,179	265,720	26,633	27,038	40,475
<b>TOTAL</b>	<b>11,058,825</b>	<b>13,596,902</b>	<b>16,342,573</b>	<b>48,346</b>	<b>58,622</b>	<b>75,184</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Fixed Assets (RM '000)			Salaries/Wages (RM'000)		
	1996	1997	1999	1996	1997	1999
Food Products	480,079	603,470	710,588	109,617	118,391	126,384
Oil & Fats	109,714	184,952	-	18,925	18,246	-
Textile & Apparel	627,836	518,318	547,554	264,245	243,811	299,196
Wood Products excluding furniture	98,772	83,569	56,057	33,892	24,374	25,035
Wood-based furniture	12,136	34,981	23,799	5,640	12,218	7,140
Paper Products	753,580	815,447	711,264	131,499	145,972	146,634
Chemical Products	1,179,135	1,234,920	1,037,524	87,424	98,121	109,632
Rubber Products	364,477	485,947	234,267	99,216	139,511	93,281
Plastic Products	433,543	727,924	580,155	120,826	145,153	137,438
Non-metallic Mineral Products	121,160	93,703	106,852	21,959	16,110	20,051
Basic Iron & Steel Industry	1,207,705	1,554,768	1,640,004	107,147	100,411	97,295
Non-Ferrous Metal Products	133,676	127,456	124,482	39,402	39,290	33,251
Fabricated Metal Products	499,129	515,000	443,717	68,542	92,627	77,458
Non-electrical Machinery	996,904	1,509,561	1,445,011	254,953	372,526	424,238
Electrical Machinery	4,814,563	6,900,095	7,432,756	1,698,672	1,853,198	2,116,766
Motor Vehicles & Other Transport	162,632	167,354	147,899	58,319	60,443	57,304
Scientific & Optical Equipment	156,939	153,980	158,638	73,872	79,969	94,072
Others	161,055	198,008	265,504	82,089	86,525	76,789
<b>TOTAL</b>	<b>12,313,035</b>	<b>15,909,453</b>	<b>15,666,076</b>	<b>3,276,239</b>	<b>3,646,896</b>	<b>3,954,964</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Tech. Coef. Of Labour			Capital Intensity (RM)		
	1996	1997	1999	1996	1997	1999
Food Products	0.0515	0.050788	0.0333	55,290	76,865	94,130
Oil & Fats	0.0180	0.010606	-	97,264	194,277	-
Textile & Apparel	0.1412	0.121092	0.1308	31,386	28,821	27,311
Wood Products excluding furniture	0.1229	0.115312	0.1264	33,907	40,607	30,532
Wood-based furniture	0.1054	0.132739	0.0988	17,979	31,067	29,130
Paper Products	0.1207	0.132671	0.1298	82,530	87,815	65,464
Chemical Products	0.0542	0.048993	0.0425	277,574	278,198	221,504
Rubber Products	0.0993	0.105401	0.0934	49,320	52,786	36,519
Plastic Products	0.1345	0.137378	0.1301	43,053	66,338	62,903
Non-metallic Mineral Products	0.1053	0.080703	0.1385	81,754	110,891	101,090
Basic Iron & Steel Industry	0.0475	0.049095	0.0573	205,742	316,074	375,631
Non-Ferrous Metal Products	0.0434	0.040056	0.0320	59,944	62,356	79,086
Fabricated Metal Products	0.0868	0.090061	0.0879	86,896	73,164	83,078
Non-electrical Machinery	0.0514	0.047616	0.0417	57,987	67,842	80,632
Electrical Machinery	0.0724	0.074678	0.0558	41,137	59,053	66,644
Motor Vehicles & Other Transport	0.0642	0.069487	0.0902	46,493	52,860	49,448
Scientific & Optical Equipment	0.2173	0.245376	0.2033	36,600	34,972	34,599
Others	0.1179	0.072871	0.1613	22,491	30,216	40,442
<b>TOTAL</b>	<b>0.0736</b>	<b>0.071328</b>	<b>0.0333</b>	<b>53,829</b>	<b>68,593</b>	<b>72,071</b>

Source: Derived from data provided by DOS, Penang

Note: No further survey since 1999

## TERTIARY SECTOR

### UTILITIES

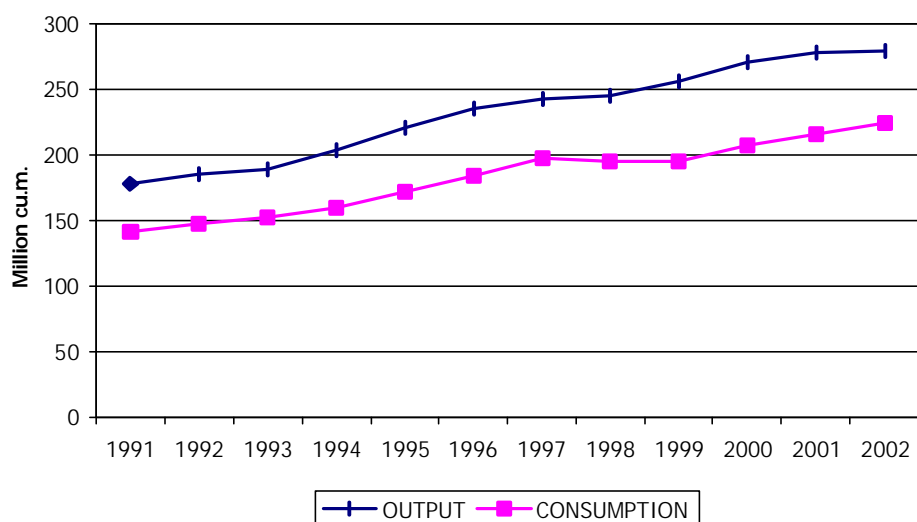
#### WATER

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

Year	Output	% Increase	Consumption	% Increase
1991	177,829	-	141,866	-
1992	185,413	4.3%	147,424	3.9%
1993	188,685	1.8%	152,477	3.4%
1994	204,006	8.1%	159,598	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%
2002 (Jan-Feb)	46,084	-	37,185	-
2003 (Jan-Feb)	46,232	0.3%	36,243	-2.5%

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

#### Penang: Water Consumption and Output



Source: Derived from data provided by PBAPP

**Penang: Daily Water Supply and Consumption**

	2000			2001			2002		
	Penang Island	Seberang Perai	Penang State	Penang Island	Seberang Perai	Penang State	Penang Island	Seberang Perai	Penang State
No. of Treatment Plants	6	4	10	6	4	10	6	4	10
Max. Capacity of Treatment Plants (cu.m/day)	206,363	843,181	1,049,544	322,727	843,275	1,166,002	322,727	843,275	1,166,002
Average Daily Production (cu.m)	348,315	392,826	741,141	368,070	394,656	762,726	380,773	386,792	767,564
Average Daily Consumption (cu.m)	283,835	284,971	568,806	295,896	296,925	592,821	303,807	311,624	615,431
	182,364	174,433	356,797	189,108	184,965	374,073	195,501	192,908	388,409
Daily Consumption (cu.m)									
Per Consumer	1.56	1.63	1.59	1.56	1.61	1.58	1.55	1.62	1.58
Per Industrial Consumer	6.48	5.44	5.91	6.41	5.31	5.8	6.25	4.97	5.61
Per Domestic Consumer	1.02	1.10	1.06	1.03	1.08	1.06	1.03	1.12	1.08

Source: Derived from data provided by PBAPP

**ELECTRICITY****Penang: Power Demand & Supply**

Year	Maximum Demand (MW)	Installed Capacity (MW)	Excess Capacity (%)
1992	593	800	34.9
1993	637	800	25.6
1994	715	800	11.9
1995	767	2671	71
1996	824	2761	70
1997	908	2671	66
1998	986	2671	63
1999	1092	2671	59
2000	1159	2701	57
2001	1231	2729	55
2002	1247	2772	55
2003	1276	2900	56
2004*	1533	2943	48
2005*	1680	2986	44
2006*	1854	3299	44
2007*	2017	3299	39
2008*	2198	3299	33
2009*	2380	3299	28
2010*	2582	3385	24

Note: \* Projected Figures

Source: TNB, Penang.

## TRANSPORT

### ROAD TRANSPORT

#### New Motor Vehicle Registration (2002)

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	2,748	4,535	14	8	213	1	49	7,568
	Malaysia	22,222	40,423	434	105	2,201	78	1,963	67,426
February	Penang	2,027	3,245	10	4	120	1	60	5,467
	Malaysia	17,527	29,987	413	68	1,257	77	1,012	50,341
March	Penang	2,439	3,667	10	6	183	0	58	6,363
	Malaysia	20,658	35,541	476	38	2,232	108	1,055	60,108
April	Penang	2,478	3,807	6	3	162	4	76	6,536
	Malaysia	21,248	38,322	344	57	2,373	114	1,545	64,003
May	Penang	2,046	3,208	9	6	128	0	51	5,448
	Malaysia	15,617	28,969	274	67	1,709	71	918	47,625
June	Penang	2,031	3,585	2	1	153	5	43	5,820
	Malaysia	15,528	29,612	241	67	1,921	98	1,035	48,502
July	Penang	2,385	4,473	22	5	184	2	96	7,167
	Malaysia	21,219	41,098	376	93	2,642	189	1,438	67,055
August	Penang	2,419	4,660	6	1	147	1	51	7,285
	Malaysia	19,139	41,260	189	64	2,363	126	1,497	64,638
September	Penang	1,909	3,259	5	5	170	9	62	5,419
	Malaysia	16,882	32,740	331	69	2,322	127	1,350	53,821
October	Penang	2,072	3,994	11	6	186	4	55	6,328
	Malaysia	18,150	39,126	597	120	2,491	80	1,568	62,132
November	Penang	1,799	3,436	20	7	148	2	53	5,465
	Malaysia	17,917	36,735	452	78	2,256	143	1,751	59,332
December	Penang	1,942	2,776	1	3	140	3	65	4,930
	Malaysia	16,578	25,900	319	93	1,648	31	1,636	46,205
<b>Total</b>	<b>Penang</b>	<b>26,295</b>	<b>44,645</b>	<b>116</b>	<b>55</b>	<b>1,934</b>	<b>32</b>	<b>719</b>	<b>73,796</b>
	<b>Malaysia</b>	<b>222,685</b>	<b>419,713</b>	<b>4,446</b>	<b>919</b>	<b>25,415</b>	<b>1,242</b>	<b>16,768</b>	<b>691,188</b>

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

#### New Motor Vehicle Registration (Jan – Aug 2003)

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	3,027	4,819	11	10	162	23	47	8,099
	Malaysia	26,890	44,527	563	115	2,346	94	1,889	76,424
February	Penang	2,625	2,657	4	2	98	0	46	5,432
	Malaysia	24,047	26,405	242	42	1,304	77	1,161	53,278
March	Penang	2,576	3,900	5	1	186	6	50	6,724
	Malaysia	23,665	35,688	563	51	2,432	110	1,319	63,828
April	Penang	2,901	3,558	8	8	230	0	46	6,751
	Malaysia	25,261	34,897	537	98	2,869	65	1,318	65,045
May	Penang	3,551	4,097	10	3	181	4	37	7,883
	Malaysia	27,894	36,270	397	95	2,682	34	1,234	68,606
June	Penang	3,311	3,844	5	5	326	2	25	7,518
	Malaysia	28,463	35,370	253	76	2,833	68	1,246	68,309
July	Penang	3,657	4,137	4	8	197	3	121	8,127
	Malaysia	31,011	40,165	434	73	2,833	56	1,555	76,127
August	Penang	3,027	4,819	11	10	162	23	47	8,099
	Malaysia	26,890	44,527	563	115	2,346	94	1,889	76,424
<b>Total (Jan – Aug)</b>	<b>Penang</b>	<b>21,648</b>	<b>27,012</b>	<b>47</b>	<b>37</b>	<b>1,380</b>	<b>38</b>	<b>372</b>	<b>50,534</b>
	<b>Malaysia</b>	<b>187,231</b>	<b>253,322</b>	<b>2,989</b>	<b>550</b>	<b>17,299</b>	<b>504</b>	<b>9,722</b>	<b>471,617</b>

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

**Motor Vehicle Re-registration (2002)**

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	710,959	440,319	2,528	3,956	38,783	380	12,797	1,209,722
	Malaysia	5,632,097	4,599,534	56,706	49,923	691,658	9,989	330,983	11,370,890
February	Penang	713,388	443,625	2,526	3,965	38,882	378	12,858	1,215,622
	Malaysia	5,650,161	4,630,255	56,931	50,027	692,704	9,979	331,926	11,421,983
March	Penang	716,684	447,521	2,532	3,966	39,074	376	12,918	1,223,071
	Malaysia	5,672,897	4,667,954	57,119	50,096	694,977	10,026	332,916	11,485,985
April	Penang	719,769	451,584	2,538	3,982	39,224	376	12,979	1,230,452
	Malaysia	5,694,876	4,707,920	57,201	50,189	697,152	10,048	334,395	11,551,781
May	Penang	722,438	455,488	2,544	3,988	39,382	377	13,057	1,237,274
	Malaysia	5,713,971	4,744,855	57,270	50,315	699,034	10,007	335,566	11,611,018
June	Penang	724,782	459,363	2,537	3,994	39,546	380	13,107	1,243,709
	Malaysia	5,733,345	4,781,140	57,308	50,454	701,075	10,038	336,908	11,670,268
July	Penang	727,240	463,875	2,556	3,997	39,708	383	13,202	1,250,961
	Malaysia	5,754,548	4,823,626	57,417	50,587	703,375	10,037	378,294	11,777,884
August	Penang	729,593	468,437	2,565	3,999	39,828	383	13,249	1,258,054
	Malaysia	5,772,894	4,863,953	57,384	50,699	705,429	10,075	339,688	11,800,122
September	Penang	731,506	471,715	2,572	4,008	39,983	389	13,312	1,263,485
	Malaysia	5,789,797	4,897,498	57,475	50,801	707,415	10,053	340,977	11,854,016
October	Penang	733,583	475,719	2,577	4,013	40,169	392	13,365	1,269,818
	Malaysia	5,807,982	4,937,391	57,785	50,897	709,683	10,056	342,397	11,916,191
November	Penang	735,391	479,160	2,602	4,027	40,312	394	13,415	1,275,301
	Malaysia	5,825,960	4,974,850	57,920	51,008	711,738	10,107	344,058	11,975,641
December	Penang	737,334	481,951	2,601	4,033	40,439	394	13,482	1,280,234
	Malaysia	5,842,617	5,001,273	58,066	51,158	713,148	10,073	345,604	12,021,939
<b>Total</b>	<b>Penang</b>	<b>8,702,667</b>	<b>5,538,757</b>	<b>30,678</b>	<b>47,928</b>	<b>475,330</b>	<b>4,602</b>	<b>157,741</b>	<b>14,957,703</b>
	<b>Malaysia</b>	<b>68,891,145</b>	<b>57,630,249</b>	<b>688,582</b>	<b>606,154</b>	<b>8,427,388</b>	<b>120,488</b>	<b>4,093,712</b>	<b>140,457,718</b>

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

**Motor Vehicle Re-registration (Jan – Aug 2003)**

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	740,740	486,823	2,606	4,052	40,625	413	13,529	1,288,788
	Malaysia	5,870,036	5,046,536	58,391	51,340	715,246	10,044	347,383	12,098,976
February	Penang	743,379	489,345	2,611	4,047	40,736	409	13,573	1,294,100
	Malaysia	5,893,005	5,072,152	58,494	51,412	716,399	10,032	348,431	12,149,925
March	Penang	746,299	493,323	2,622	4,060	40,952	412	13,626	1,301,294
	Malaysia	5,917,143	5,108,607	58,783	51,532	718,612	10,084	349,652	12,214,413
April	Penang	749,596	496,962	2,629	4,072	41,187	394	13,665	1,308,505
	Malaysia	5,942,891	5,144,257	59,104	51,693	721,242	10,046	350,823	12,280,056
May	Penang	753,218	500,564	2,637	4,081	41,338	381	13,693	1,315,912
	Malaysia	5,969,703	5,178,740	59,198	51,839	723,506	9,935	351,821	12,344,742
June	Penang	756,798	504,148	2,642	4,078	41,664	381	13,708	1,323,419
	Malaysia	5,997,128	5,213,070	59,213	51,990	726,070	9,921	352,925	12,410,317
July	Penang	761,064	508,376	2,645	4,097	41,859	371	13,820	1,332,232
	Malaysia	6,028,895	5,253,891	59,440	52,127	728,704	9,909	354,362	12,487,328
August	Penang	740,740	486,823	2,606	4,052	40,625	413	13,529	1,288,788
	Malaysia	5,870,036	5,046,536	58,391	51,340	715,246	10,044	347,383	12,098,976
<b>Total</b>	<b>Penang</b>	<b>5,251,094</b>	<b>3,479,541</b>	<b>18,392</b>	<b>28,487</b>	<b>288,361</b>	<b>2,761</b>	<b>95,614</b>	<b>9,164,250</b>
	<b>Malaysia</b>	<b>41,618,801</b>	<b>36,017,253</b>	<b>412,623</b>	<b>361,933</b>	<b>5,049,779</b>	<b>69,971</b>	<b>2,455,397</b>	<b>85,985,757</b>

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

## TRADE

### PENANG AIRPORT

#### Aircraft Movements per annum

Year	No. of Movement
1991	30,818
1992	36,826
1993	35,034
1994	35,950
1995	35,556
1996	36,956
1997	35,445
1998	31,816
1999	27,465
2000	27,951
2001	29,102
2002	28,840
2003 (Jan-Aug)	17,210

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

#### Number of Passengers (Domestic & International) per annum

Year	No. of Passengers (millions)		
	Domestic	International	Total
1991	1.27	0.90	2.17
1992	1.56	1.08	2.64
1993	1.65	1.13	2.78
1994	1.58	1.20	2.78
1995	1.60	1.25	2.85
1996	1.70	1.18	2.88
1997	1.68	1.23	2.91
1998	1.35	1.10	2.45
1999	1.35	1.10	2.45
2000	1.27	1.48	2.74
2001	1.20	1.35	2.55
2002	1.31	1.21	2.51
2002 (Jan-Aug)	0.85	0.78	1.63
2003 (Jan-Aug)	0.82	0.60	1.42

Note: Slight discrepancies may arise due to rounding.

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



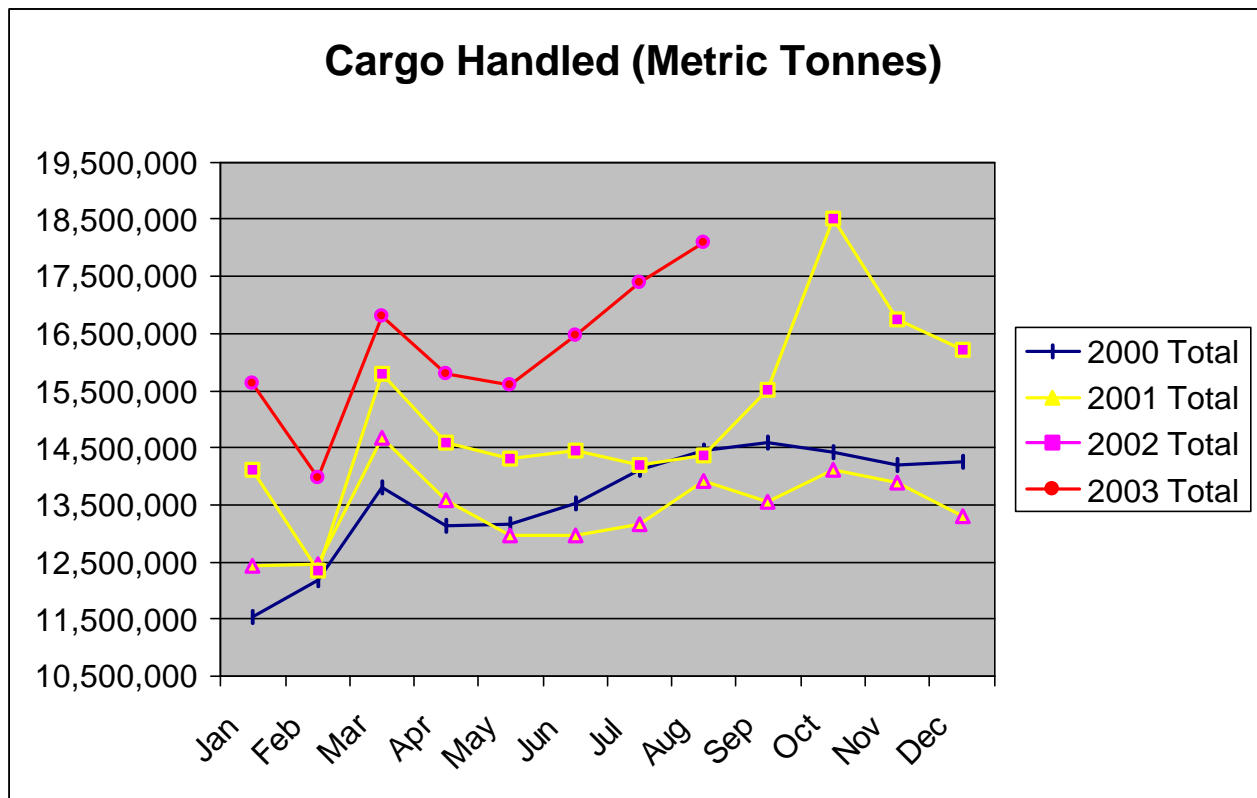
### Cargo Handled (Domestic & International) per annum

Year	Cargo Handled (in '000 metric tonnes)*		
	Domestic	International	Total
1991	12.06	25.72	37.78
1992	11.84	30.78	42.62
1993	13.21	33.42	46.63
1994	13.38	47.58	60.96
1995	16.13	70.70	86.83
1996	14.16	82.37	96.53
1997	15.96	106.21	122.17
1998	12.32	124.74	137.06
1999	10.62	133.89	144.51
2000	37.87	125.43	163.30
2001	34.87	126.15	161.02
2002	42.85	138.31	181.16
2002 (Jan-Aug)	25.64	88.55	114.19
2003 (Jan-Aug)	18.05	111.72	129.77

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

\*Note: Slight discrepancies may arise due to rounding.

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



## PENANG PORT

### Annual Number of Shipcalls

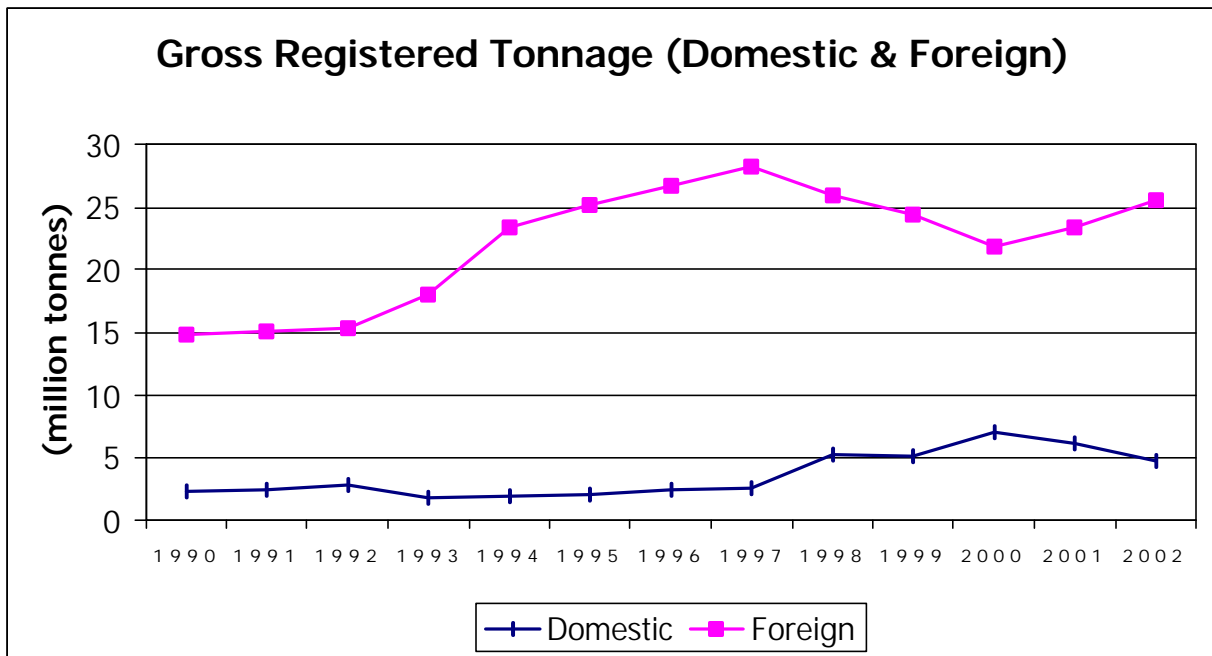
Year	Domestic	Foreign	Total
1990	2,437	3,091	5,528
1991	2,750	3,051	5,801
1992	3,058	3,208	6,266
1993	1,327	4,716	6,043
1994	1,379	4,820	6,199
1995	1,443	5,022	6,465
1996	1,416	5,117	6,533
1997	1,725	5,346	7,071
1998	2,553	5,072	7,625
1999	2,635	4,736	7,371
2000	3,250	4,013	7,263
2001	3,019	4,399	7,418
2002	n.a.	n.a.	n.a.
2003 (Jan-Aug)	1,357	2,902	4,259

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

### Gross Registered Tonnage (Domestic & Foreign) in Million

Year	Domestic	Foreign	Total
1990	2.38	14.78	17.16
1991	2.41	15.05	17.46
1992	2.81	15.33	18.14
1993	1.75	18.02	19.77
1994	1.95	23.40	25.35
1995	2.06	25.26	27.32
1996	2.43	26.76	29.19
1997	2.59	28.23	30.82
1998	5.29	25.93	31.22
1999	5.19	24.35	29.54
2000	7.09	21.87	28.96
2001	6.11	23.37	29.48
2002	4.72	25.58	30.29
2002 (Jan-Aug)	3.17	17.27	20.44
2003 (Jan-Aug)	2.93	16.74	19.68

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, 1990-2003

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	n.a
2002 (Jan-Aug)	1.47	2.55	2.96	7.31	14.29	n.a
2003 (Jan-Aug)	1.17	2.63	2.68	7.81	14.29	n.a

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

	1999	2000	2001	2002	2002 (Jan- Jun)	2003 (Jan-Jun)
Average Occupancy Rate	59.66%	57.4%	54.8%	53.9%	50.5	44.3
Average Occupancy Rate for Beach Hotels	62.90%	66.7%	57.5%	54.1%	49.4	40.2
Average Occupancy for City Hotels	56.26%	50.8%	53.0%	53.8%	51.2	47.1
Estimated Total Visitor Arrivals for the State	3,519,660	3,780,000	3,469,943	3,425,308	1,492,917	1,319,456
Estimated Domestic Share	41.48%	37.9%	44.5%	47.9%	48.7	61.3%
Estimated International Share	58.52%	62.1%	55.5%	52.1%	51.3	38.7%

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

## PROPERTY

### Penang: Median House Prices (2001)

	Terraced		Semi-Detached		Detached		High-Rise	
	Single Storey	Double Storey	Single Storey	Double Storey	Single Storey	Double Storey	Flat	Condo/Apt.
Pulau Pinang	95,000	180,000	158,000	430,000	270,000	440,000	110,000	200,250
Timur Laut	275,000	370,000	365,000	560,000	1,120,000	1,100,000	114,000	230,000
Barat Daya	185,000	309,800	252,500	490,000	146,500	270,000	84,750	153,000
S Perai Selatan	78,000	116,000	118,191	160,000	120,000	420,000	ND	ND
S Perai Tengah	98,400	170,000	158,000	300,000	126,500	500,000	75,000	88,000
S Perai Utara	100,000	165,500	181,500	282,500	270,000	330,735	79,000	109,500

Source: Malaysia House Price Indices

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

	Residential		Commercial		Industrial		Agriculture		Development Land		Others		Total	
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
0-25,000	255	182	21	18	1	2	389	203	91	144	8	4	765	553
25,001-50,000	1,367	922	38	30	5	3	279	164	100	141	5	7	1,794	1,267
50,001-75,000	2,268	1,992	46	49	3	4	165	117	50	79	4	7	2,536	2,248
75,001-100,000	2,931	2,444	65	97	5	6	112	99	64	62	1	2	3,178	2,710
100,001-150,000	2,916	2,691	160	175	8	13	144	80	46	69	1	2	3,275	3,030
150,001-200,000	1,790	1,604	229	221	44	36	98	51	41	83	5	5	2,207	2,000
200,001-250,000	838	742	221	189	61	53	70	31	31	47	0	4	1,221	1,066
250,001-500,000	1,428	1,351	463	394	227	196	88	69	91	126	5	8	2,302	2,144
500,001-1,000,000	273	219	149	153	92	56	46	33	88	88	1	2	649	551
1,000,000 & above	67	47	44	24	48	38	14	9	89	143	0	5	262	266
<b>Total</b>	<b>14,133</b>	<b>12,194</b>	<b>1,436</b>	<b>1,350</b>	<b>494</b>	<b>407</b>	<b>1,405</b>	<b>856</b>	<b>691</b>	<b>982</b>	<b>30</b>	<b>46</b>	<b>18,189</b>	<b>15,835</b>
(% Breakdown)	77.7	77.0	7.9	8.5	2.7	2.6	7.7	5.4	3.8	6.2	0.2	0.3	100.0	100.0

Source: Property Market Report 2002

**Penang: House Price Indices**

Index 1990 = 100

Year	Indices				
	Terraced	Semi-Detached	Detached	High-Rise	All Houses
1988	90.0	87.2	72.9	77.9	87.7
1989	92.0	92.5	77.5	88.1	92.2
1990	100.0	100.0	100.0	100.0	100.0
1991	110.6	111.3	118.2	117.6	111.7
1992	113.9	116.0	135.1	125.5	115.7
1993	118.5	125.3	145.2	132.7	124.3
1994	126.0	143.3	162.5	145.0	132.5
1995	149.7	151.1	180.9	160.0	145.0
1996	153.7	170.0	197.2	156.4	152.1
1997	165.7	184.6	206.1	170.8	169.2
1998	157.7	167.3	179.2	162.7	159.4
1999	161.0	169.3	173.4	163.4	165.4
2000	193.7	190.2	188.3	167.1	183.1
2001	197.0	195.2	175.8	150.3	178.4

Source: Malaysia House Price Indices

## Education and Health

### EDUCATION

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

Type of School	No. of Schools				No. of Students				No. of Teachers			
	2000	2001	2002	2003	2000	2001	2002	2003	2000	2001	2002	2003
SK/SRK	123	127	124	139	80,642	80,230	83,148	85,633	4,221	4,200	3,563	4,491
SRJK(C)	90	90	90	90	55,329	53,808	55,572	58,637	2,538	2,607	789	2,558
SRJK(T)	28	28	28	28	4,761	4,848	4,954	4,100	342	346	2,610	370
SR Khas	3	3	3	3	200	164	161	176	53	45	52	52
<b>Total</b>	<b>244</b>	<b>248</b>	<b>255</b>	<b>260</b>	<b>140,932</b>	<b>139,050</b>	<b>143,865</b>	<b>148,546</b>	<b>7,154</b>	<b>7,198</b>	<b>7,348</b>	<b>7,471</b>

Source: Jabatan Pendidikan Pulau Pinang

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

Type of School	No. of Schools				No. of Students				No. of Teachers			
	2000	2001	2002	2003	2000	2001	2002	2003	2000	2001	2002	2003
SM Biasa	71	75	83	90	103,308	104,295	102,394	100,488	5,669	5,837	5,869	6,021
SM (Asrama Penuh)	1	1	1	1	668	624	580	645	75	72	66	63
SM Khas	1	1	1	1	215	197	202	187	198	44	40	43
SM Vokasional & Teknik	5	5	6	6	3,434	2,299	2,193	1,577	44	343	352	393
SM Agama	4	4	4	4	2,586	2,958	2,532	2,599	318	206	215	216
<b>Total</b>	<b>82</b>	<b>86</b>	<b>95</b>	<b>102</b>	<b>110,211</b>	<b>110,373</b>	<b>107,901</b>	<b>105,496</b>	<b>6,304</b>	<b>6,502</b>	<b>6,542</b>	<b>6,736</b>

Source: Jabatan Pendidikan Pulau Pinang

## HEALTH

### Life Expectancy (Peninsula Malaysia):

Male	69.6 years
Female	74.6 years

### Vital Statistics of Penang (per thousand):

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2002
Crude Birth Rate	22.3	21.9	21.5	22.8	24.9	23.6	21.8	20.8	20.9	19.00	n.a.
Crude Death Rate	5.5	4.5	5.3	6.3	5.9	6.4	6.2	6.2	6.09	6.00	n.a.
Infant Mortality Rate	8.2	8.7	9.0	8.7	7.2	7.5	7.0	6.2	5.55	5.31	6.50
Prenatal Mortality Rate	12.6	13.9	12.8	12.5	9.9	9.5	8.6	8.3	8.97	7.35	9.20
Neonatal Mortality Rate	6.3	6.2	6.8	6.3	5.0	5.3	4.9	4.1	3.98	4.90	4.6
Toddler Mortality Rate	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.19	0.15	0.2
Maternal Mortality Rate	0.5	0.4	0.3	0.6	0.3	0.3	0.4	0.5	0.16	0.16	0.6

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

### Penang: Ratio of Medical Professionals – Population

	1993	1994	1995	1996	1997	1998	1999	2000	2001
Doctor	1:1435	1:1514	1:1482	1:1432	1:1353	1:1244	1:1194	1:1145	1:1031
Dentist	1:11932	1:9365	1:9576	1:8882	1:9258	1:9425	1:8203	1:7871	1:7729
Nurse	1:606	1:713	1:669	1:677	1:728	1:689	1:633	1:600	1:577

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

### Penang: Health Facilities 1996-2000

	1996	1997	1998	1999	2000	2002
Government Hospital	5	5	5	5	5	5
Private Hospital	10	11	11	11	11	11
Private Maternity Home	8	7	7	8	8	8
Polyclinic	6	6	6	6	6	3
Mother & Child Health Care	12	12	12	12	12	14
Health Centre	16	16	16	16	16	30*
Rural Clinics	28	28	61	61	61	62
Midwives-quarters-cum-clinics	38	38	3	3	3	2

\* Inclusive of Polyclinic & Hospitals' Outpatient Department

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

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

District	1999			2000			2001		
	Govt	Private	Total	Govt	Private	Total	Govt	Private	Total
Timur Laut	1236	1394	<b>2630</b>	1236	n.a	<b>n.a</b>	1236	1380	<b>n.a</b>
Barat Daya	71	50	<b>121</b>	314	n.a	<b>n.a</b>	314	150	<b>n.a</b>
S. Perai Utara	314	198	<b>198</b>	260	n.a	<b>n.a</b>	242	130	<b>n.a</b>
S. Perai Tengah	260	115	<b>689</b>	130	n.a	<b>n.a</b>	130	138	<b>n.a</b>
S. Perai Selatan	130	0	<b>130</b>	71	n.a	<b>n.a</b>	71	n.a	<b>n.a</b>
<b>Total</b>	<b>2011</b>	<b>1757</b>	<b>3768</b>	<b>2011</b>	<b>n.a</b>	<b>n.a</b>	<b>1993</b>	<b>1798</b>	<b>n.a</b>

Source: State/District Data Bank 2002, DOS, Malaysia; Penang State Health Department, series of Penang Health Information and from unpublished sources

### Penang: No. of Beds, Bed Occupancy Rate (BOR) & Average Length of Stay (ALOS) for Government Hospitals

Hospital	2002		
	Beds	BOR	ALOS
Hospital Pulau Pinang	1,236	53.54	5.58
Hospital Seberang Jaya	314	82.31	3.20
Hospital Bukit Mertajam	242	43.49	3.73
Hospital Sungai Bakap	130	32.72	2.72
Hospital Balik Pulau	71	59.27	5.38
<b>Total</b>	<b>1,993</b>	<b>55.57</b>	<b>4.42</b>

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

### Penang: HIV/AIDS (Total Identified Cases)

	1996	1997	1998	1999	2002	2003 (Jan-Jun)
HIV	194	215	233	225	268	143
AIDS	24(24)	27(27)	52(35)	105(55)	88(45)	26(9)

Note: ( ) = deaths

Source: Penang State Health Department



## Selected National Statistics

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

Component	RM Million					
	Q1/2002	Q2/2002	Q3/2002	Q4/2002	Q1/2003	Q2/2003
National Accounts (GDP) at Current Prices	83,176	88,239	93,867	95,799	93,622	95,014
Agriculture, Forestry and Fishing	6,940	7,920	8,973	9,248	8,158	9,055
Mining and Quarrying	8,091	7,580	9,937	10,663	10,855	9,480
Manufacturing	25,420	27,776	29,017	28,655	28,798	30,027
Electricity, Gas and Water	3,001	3,112	3,172	3,099	3,056	3,210
Construction	3,404	3,820	3,772	3,714	3,440	3,846
Wholesale and Retail Trade, Hotel and Restaurants	11,914	12,355	12,950	13,422	12,885	12,149
Transport, storage and Communication	6,396	6,707	6,624	6,570	6,207	6,355
Finance, Insurance, real estate and business services	9,560	9,997	9,854	10,309	10,692	10,949
Other Services	5,879	5,870	5,990	6,123	6,328	6,281
Government Services	6,173	6,533	6,999	7,536	6,842	7,178
Less : Imputed bank service charges	5,161	5,209	5,177	5,262	5,256	5,130
Plus : import duties	1,560	1,778	1,756	1,721	1,616	1,615
National Accounts (GDP) at 1987 Prices	52,123	54,135	56,152	56,682	54,508	56,699
Agriculture, Forestry and Fishing	4,171	4,425	4,944	4,802	4,328	4,903
Mining and Quarrying	4,108	3,724	4,217	4,426	4,120	4,081
Manufacturing	15,722	16,672	17,053	16,679	16,592	17,689
Electricity, Gas and Water	2,274	2,357	2,401	2,344	2,274	2,390
Construction	1,703	1,900	1,876	1,845	1,712	1,913
Wholesale and Retail Trade, Hotel and Restaurants	7,794	9,706	8,281	8,583	8,075	7,771
Transport, storage and Communication	4,563	4,723	4,794	4,773	4,658	4,811
Finance, Insurance, real estate and business services	7,347	7,567	7,474	7,951	7,926	8,157
Other Services	4,205	4,182	4,256	4,343	4,453	4,404
Government Services	3,642	3,854	4,037	4,298	3,954	4,148
Less : Imputed bank service charges	4,674	4,621	4,599	4,749	4,894	4,876
Plus : import duties	1,269	1,445	1,417	1,388	1,311	1,307

Source: Bank Negara Malaysia

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

### Malaysia: Exchange Rates

Period	USD	GBP	EUR	DEM	JPY100	SGD
Q1/2002	3.8000	5.4241	3.3346	n.a.	2.8694	2.0726
Q2/2002	3.8000	5.5565	3.4983	n.a.	2.9995	2.1081
Q3/2002	3.8000	5.8924	3.7414	n.a.	3.1904	2.1627
Q4/2002	3.8000	5.9682	3.7993	n.a.	3.1006	2.1486
Q1/2003	3.8000	6.0909	4.0764	n.a.	3.1969	2.1783
Q2/2003	3.8000	6.1513	4.3165	n.a.	3.2054	2.1730
Q3/2003	3.8000	6.1210	4.2778	n.a.	3.2336	2.1696

Source: Bank Negara Malaysia

Currency	2001	2002	2002	January-July 2003	% Change
Per Unit					
US dollar	3.8000	3.8000	3.8000	3.8000	0.0
Pound Sterling	5.4741	5.7108	5.5481	6.1299	- 9.5
Singapore Dollar	2.1217	2.1227	2.1010	2.1744	- 3.4
Deutsche Mark	1.7410	n.a.	1.7709	n.a.	n.a.
Euro	3.4051	3.5919	3.4635	4.2179	- 17.9
Per 100 Units					
Japanese Yen	3.1296	3.0384	2.9726	3.2017	- 7.2
Thai Baht	8.5451	8.8399	8.8479	8.9609	- 1.3
Philippine Peso	7.4532	7.3682	7.4832	7.0987	5.4
Indonesia Rupiah	0.0373	0.0409	0.0400	0.0440	- 9.2
Saudi Arabian Riyal	101.3238	101.3254	101.3258	101.3301	0.0

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

## Malaysia: National Indices & Employment Data

	Unit Description	Latest Period	Latest Data	Previous Period
Industrial Production Index	1993=100	Jul-03	207.7	194.8
Employment	(million persons)	Q1/2003	9.871	9.497
Employment	% of labour force	Q1/2003	96.2	96.8
Unemployment	(million persons)	Q1/2003	0.388	0.313
Unemployment	% of labour force	Q1/2003	3.8	3.2
Average salaries and wages per employee in manufacturing sector	RM per month	Jul-03	1,574.90	1,568.80
Consumer Price Index	2000=100	Aug-03	104.3	104.4
Producer Price Index	1989=100	Jul-03	135.7	135.0

Source: Bank Negara Malaysia

## Malaysia: Federal Government Accounts

Component	RM Million		
	2000	2001	2002
Public Sector Operations			
General Government			
Revenue	76,002	91,633	96,763
Operating Expenditure	64,445	72,299	75,450
Current Account	11,557	19,334	21,313
NPFE's Operating Surplus	41,204	39,484	45,324
Public Sector Current Account	52,761	58,818	66,637
Net Development Expenditure	50,439	59,724	69,125
Public Sector Overall Balance	2,322	-906	-2,488
Domestic Financing	-10,687	-5,705	-4,698
Bank	-29,316	-25,834	-13,809
Non-Bank	18,629	20,129	9,111
Foreign Borrowing	8,365	6,611	7,186

Source: Bank Negara Malaysia

## Malaysia: Producer Price Index

Section	Weights	July		January-July Average		
		2002	2003	2002	2003	% Change
Food & Live Animals Chiefly for Food	14.88	131.5	131.4	132.6	130.4	-1.7
Beverages and Tobacco	2.08	163.4	164.4	162.6	164.4	1.1
Crude Materials, Inedible Except Fuels	17.96	116.1	122.9	112.9	122.7	8.7
Mineral Fuel / Lubricants & Related Materials	18.82	159.8	170.4	152.8	176.7	15.6
Animal & Vegetable Oils & Fats	8.47	154.7	169.6	142.8	173.8	21.7
Chemicals & Related Products N.E.S.	4.42	117.9	119.6	117.6	119.5	1.6
Manufactured Goods Classified Chiefly by Material	10.82	120.2	122.7	120.0	122.0	1.7
Machinery & Transport Equipment	18.35	110.0	110.1	110.0	110.1	0.1
Miscellaneous Manufactured Articles	3.61	127.5	129.3	127.4	128.3	0.7
Commodities & Transactions N.E.C. in the S.I.T.C.	0.59	129.3	129.9	128.9	129.9	0.8
Total	100.00	130.9	135.7	128.00	136.9	7.0

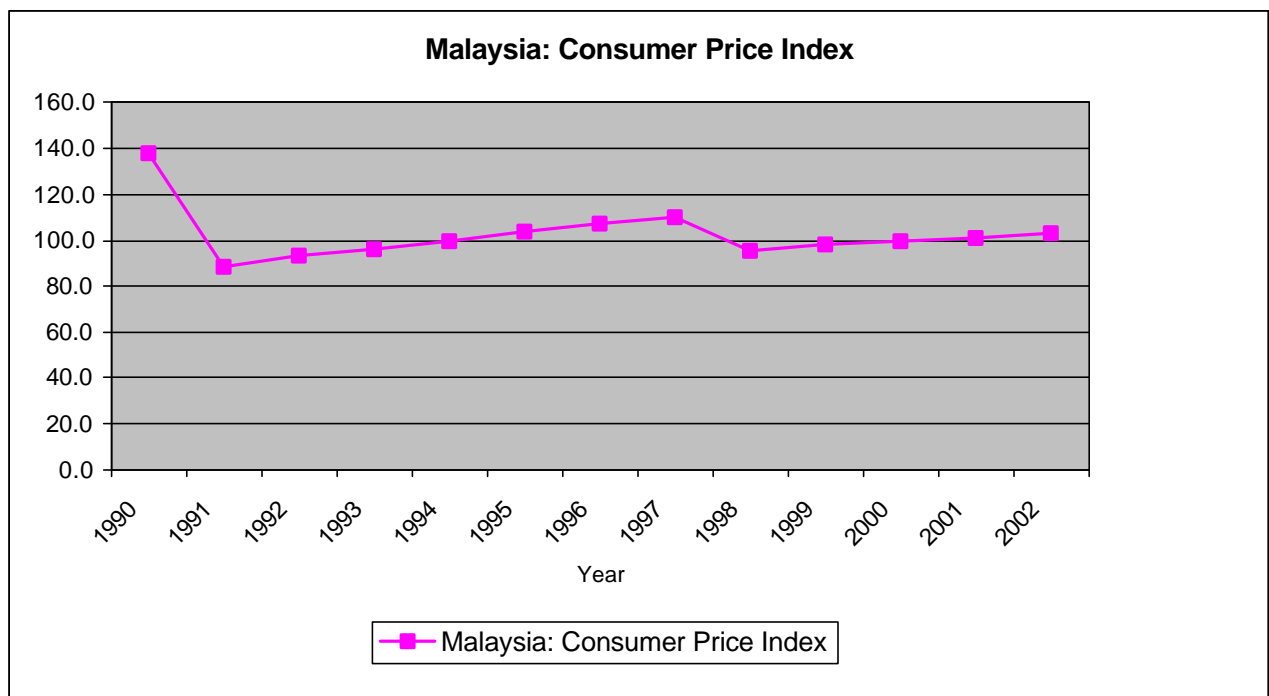
Source: The Malaysian Economy in Brief, Aug 2003, Department of Statistics, Malaysia

## 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	137.8	136.6	176.6	126.6	135.6	124.2	144.3	151.9	109.8	132.4
1991	88.9	87.2	76.4	97.4	91.0	94.6	88.9	86.7	96.1	93.0
1992	93.1	92.8	83.0	100.3	94.4	97.1	92.0	90.5	98.9	95.1
1993	96.4	95.0	95.3	110.8	97.7	98.4	96.7	95.6	99.3	97.7
1994	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1995	103.4	104.9	102.4	100.0	103.4	102.8	103.1	101.8	102.5	104.2
1996	107.0	110.9	104.6	99.3	106.7	103.9	106.9	103.2	105.9	106.8
1997	109.9	115.5	106.0	98.8	110.1	104.0	110.7	103.8	106.3	111.7
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	99.5	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										
Jan	104.0	102.8	109.2	93.9	102.4	99.4	106.5	111.5	100.5	102.7
Feb	104.2	103.1	109.2	94.1	102.6	99.4	106.6	111.5	100.9	103.2
Mar	104.0	102.2	109.2	93.4	102.7	99.3	106.8	111.9	100.7	103.0
Apr	104.2	102.4	109.3	94.2	102.7	99.3	107.0	112.7	100.7	102.6
May	104.3	102.5	109.2	93.8	103.0	99.2	107.2	112.6	100.7	102.7
Jun	104.2	102.4	109.3	93.6	103.0	99.2	107.2	112.6	100.9	103.0
Jul	104.4	102.7	109.3	93.8	103.1	99.2	107.3	112.5	100.9	103.0
Aug	104.3	102.6	109.3	92.7	103.4	99.0	107.4	112.5	100.8	102.9

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	0.732	0.05
1993	100.0	100.0	100.0	100.0	100.0	100.0
1994	112.4	103.6	113.8	114.9	115.5	113.5
1995	127.1	112.8	129.9	131.2	132.1	129.0
1996	141.1	119.4	146.5	147.3	146.1	150.2
1997	156.1	122.3	167.3	165.6	165.1	166.6
1998	144.9	123.6	173.0	148.6	156.6	126.4
1999	158.0	119.7	179.7	167.8	177.6	141.0
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	188.0	124.9	216.6	204.8	210.3	190.5
2003						
Jan	183.6	136.5	238.5	192.5	196.1	183.6
Feb	195.4	121.9	209.6	217.0	225.4	194.6
Mar	197.5	132.5	244.5	213.0	219.1	197.5
Apr	200.1	129.4	241.5	218.0	222.4	207.5
May	210.7	132.9	249.2	231.2	239.0	211.7
Jun	194.8	129.9	242.6	210.1	217.8	189.9
Jul	207.7	129.1	249.5	228.0	234.9	210.6

2003		Export-Oriented Industries								
Period	Total	Electronic & Electrical	Of Which		Textiles & Wearing Apparel	Wood & Wood Products	Chemicals & Chemical Products	Rubber Products	Off-Estate Processing	Others
			Electronics	Electricals						
Jan	196.1	222.0	280.7	130.1	110.7	86.9	241.7	175.5	192.6	98.7
Feb	225.4	263.2	339.3	144.3	107.1	99.7	272.1	211.2	204.1	111.1
Mar	219.1	253.6	326.0	140.4	102.0	96.5	270.6	188.7	209.3	111.2
Apr	222.4	257.3	326.8	148.5	111.9	100.6	259.7	193.8	236.8	125.0
May	239.0	276.4	352.2	157.8	113.5	102.7	279.0	211.1	269.8	121.6
Jun	217.8	245.8	311.8	142.5	105.5	91.7	263.0	209.8	242.9	118.8
Jul	234.9	256.3	319.6	157.2	115.6	103.1	295.3	217.8	279.9	125.6

2003		Domestic-Oriented Industries								
Period	Total	Non-metallic Mineral Products	Basic Metals	Transport Equipment	Food Manufacturing	Fabricated Metal Products	Paper Products	Tobacco Products	Beverages	Petroleum Products
Feb	194.6	186.7	205.9	229.9	179.1	196.3	187.0	166.6	148.1	198.8
Mar	197.5	197.2	214.7	233.0	175.8	200.5	186.9	157.7	133.3	195.2
Apr	207.5	209.2	208.2	235.1	178.8	248.1	179.4	145.0	137.3	206.2
May	211.7	216.9	216.8	233.0	171.2	256.3	202.3	139.1	129.5	211.5
Jun	189.9	191.3	188.0	228.7	179.6	196.9	169.8	170.6	120.8	184.5
Jul	210.6	208.8	205.9	269.9	196.3	222.0	189.2	162.0	134.3	200.8

Source: Department of Statistics, Malaysia