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## 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

District	1991 (Census)	1997 (estimated)	1998 (estimated)
Timur Laut	395.7	443.8	443.7
Barat Daya	122.8	147.4	151.6
Seberang Perai Utara	224.6	254.9	256.3
Seberang Perai Tengah	236.3	278.9	284.9
Seberang Perai Selatan	84.8	96.9	97.9
State of Penang	1,064.2	1,221.9	1,234.4

Source: The 1991 population figures are derived from the State Population Report, Penang, 1991, Department of Statistics, Malaysia.  
Department of Statistics, State/District Data Bank 1997, 1998

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

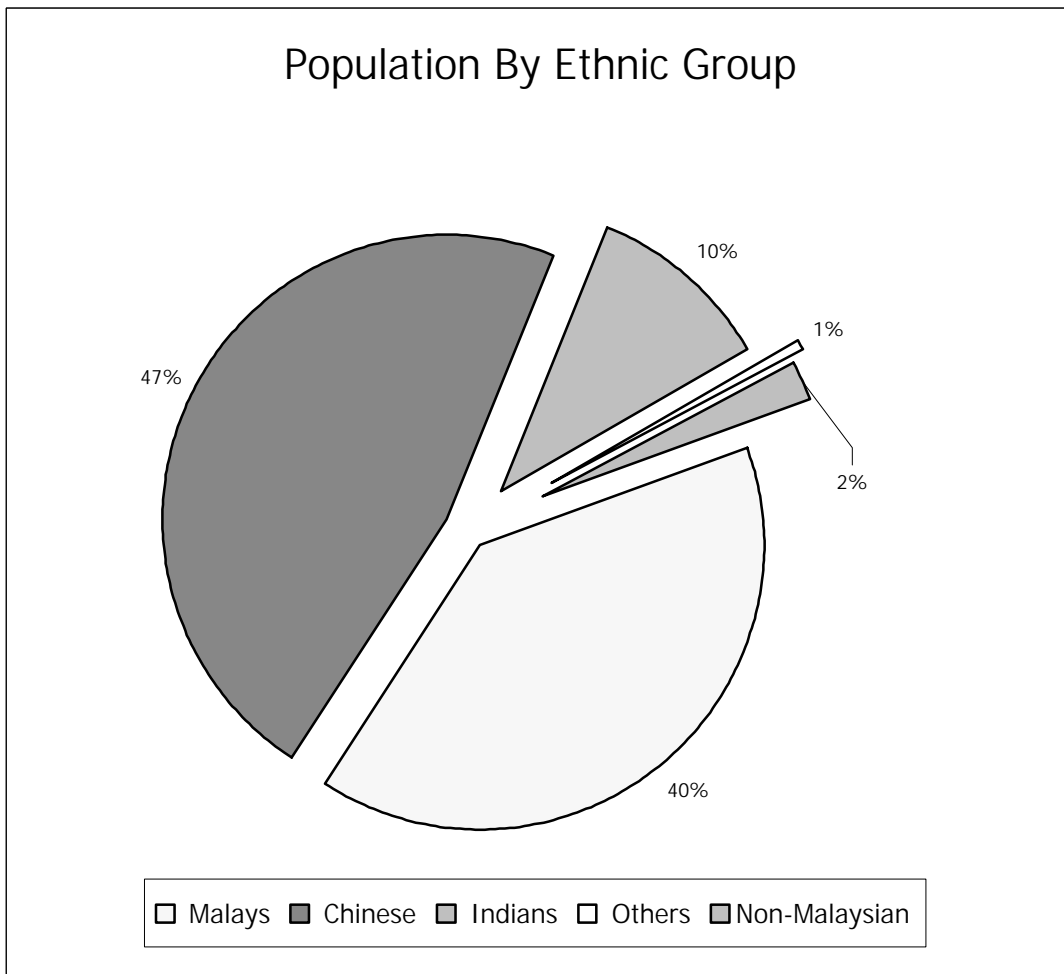
Gender	1991 (Census)	1997 (Estimated)	1998 (Estimated)
Male	526.0	607.2	613.3
Female	538.1	614.7	621.1
Total	1,064.2	1,221.9	1,234.4

Source: The 1991 population figures are derived from the State Population Report, Penang, 1991, Department of Statistics, Malaysia.  
Department of Statistics, State/District Data Bank 1997, 1998

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

<i>Ethnic Group</i>	<i>1991 (Census)</i>	<i>1997 (Estimated)</i>	<i>1998 (Estimated)</i>
Malaysian:			
Malays	405.4	465.5	486.7
Other Bumiputera	1.1	1.3	1.9
Chinese	523.2	600.8	581.9
Indians	112.8	129.5	129.5
Others	5.8	6.6	6.6
Non-Malaysian Citizens	15.9	18.2	27.7
<b>Total</b>	<b>1,064.2</b>	<b>1,221.9</b>	<b>1,234.4</b>

Source: The 1991 population figures are derived from the State Population Report, Penang, 1991, Department of Statistics, Malaysia.  
 Department of Statistics, State/District Data Bank 1997, 1998



## ECONOMIC

### Penang: Gross Domestic Product 1990, 1995, 1997-1999 (In 1987 - Constant Prices, RM Million)

	1990	1995	1997	1998	1999(f)
Agri, forestry, fishing	228.4	216.3	223.2	223.2	225.5
M&Q	23.4	162.6	250.4	191.1	191.1
Manufacturing	3,394.3	5,935.8	7,219.1	6,390.4	6,748.7
Construction	249.5	439.0	537.8	414.2	414.2
Tertiary	3,987.0	6,761.4	8,037.2	7,959.4	8,309.3
Total (@ producers' value)	7,882.5	13,515.2	16,267.8	15,178.3	15,888.8
Total (@ purchasers' value)	7,685.4	13,193.6	15,789.4	14,455.0	15,255.7

Source: SERI  
(f) : forecast

### Penang: Sectoral Share of Gross Domestic Product 1990, 1995, 1997-1999

	1990	1995	1997	1998	1999(f)
Agri, forestry, fishing	2.90	1.60	1.37	1.47	1.42
M&Q	0.30	1.20	1.54	1.26	1.20
Manufacturing	3.06	43.92	44.38	42.10	42.47
Construction	3.17	3.25	3.31	2.73	2.61
Tertiary	50.58	50.03	49.41	52.44	52.30
Total	100.00	100.00	100.00	100.00	100.00

Source: SERI  
(f) : forecast

### Penang: Gross Domestic Product % Growth Per Annum

	1990-95	1995-97	1997-98	1998-99(f)
Agri, forestry, fishing	-1.1	1.6	0.0	1.0
M&Q	47.4	24.1	-23.7	0.0
Manufacturing	11.8	10.3	-11.5	5.6
Construction	12.0	10.7	-23.0	0.0
Tertiary	11.1	9.0	-1.0	4.4
Total (@ producers' value)	11.4	9.7	-6.7	4.7
Total (@ purchasers' value)	11.4	9.4	-8.5	5.5

Source: SERI  
(f) : forecast

## EMPLOYMENT

### Penang: Labour Force Participation Rate by Gender and Ethnic Group, 1996 & 1997

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

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

### PENANG: EMPLOYMENT BY GENDER AND ECONOMIC SECTORS, 1996 & 1997

	1996			1997		
	Male	Female	Total	Male	Female	Total
Agri, Forestry & Fishing	4.4	0.9	3.2	2.9	0.5	2.0
M&Q	0.2	0.0	0.1	0.2	0.0	0.1
Manufacturing	33.8	50.8	39.4	37.5	47.9	41.4
Construction	6.7	0.4	4.7	9.3	1.4	6.2
Utilities	1.0	0.1	0.7	1.2	0.3	0.9
Transport, Storage, Comm.	8.1	1.8	6.0	7.5	1.5	5.2
WRHR	22.6	18.3	21.1	20.0	20.4	20.1
FIREBS	5.4	5.1	5.3	4.2	5.7	4.8
Community & Soc. Services	17.9	22.7	19.5	17.3	22.4	19.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

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

## PRIMARY SECTOR

### AGRICULTURE

#### Penang: Agriculture Areas (in hectares), 1985 -1998

Type	Year				
	1985	1990	1995	1997	1998
Rubber	27,210	19,000	13,487	13,487	13,487
Oil Palm	4,685	11,179	16,444	15,158	15,158
Padi	17,610	24,889	14,351	14,351	14,351
Coconut	14,137	5,674	2,479	2,479	2,479
Cocoa	1,114	1,751	1,683	143	143
Vegetables	510	1,014	1,314	1,216	1,778
Fruits	2,520	5,740	7,110	7,096	6,929
Clove	408	237	224	224	69
Nutmeg	612	181	168	168	86
Cash Crops	1,086	239	199	234	474
TOTAL (in ha.)	69,892	69,904	57,459	54,556	54,954

Source: Derived from data from Jabatan Pertanian Negeri Pulau Pinang

## SECONDARY SECTOR

### MANUFACTURING

#### Penang: Approved Manufacturing Projects, Employment And Capital Investment, 1987 – 1998

Year	Approved Projects			Employment Generated	Capital Investment (RM Million)
	Penang	Malaysia	%		
1987	59	333	17.7	16,662	635.75
1988	73	732	10.0	17,833	729.56
1989	115	792	14.5	27,032	1,183.07
1990	132	906	14.6	24,952	1,867.26
1991	125	973	12.8	22,455	1,525.13
1992	119	874	13.6	14,295	1,096.05
1993	87	686	12.7	10,378	516.82
1994	95	870	10.9	15,203	934.49
1995	89	898	9.9	13,779	1,606.65
1996	97	782	12.4	11,993	3,185.40
1997	90	759	11.9	9,736	1,449.10
1998	104	844	12.3	10,911	2,666.52
1999 (Jan-Sept)	68	511	13.3	10,352	1,429.13

Source: Derived from the data provided by MIDA Penang

**Penang: Approved Manufacturing Projects By Industry,  
1997 & 1999 (June)**

Industry	No. of Projects			Investment (RM Mil)		
	1997	1998	1999 (Jan-Sept)	1997	1998	1999 (Jan-Sept)
Electrical & Electronic	41	49	28	471.9	674.5	5,379.5
Chemicals & Chemical Products	4	4	2	23.9	79.6	13.9
Fabricated Metal Products	7	7	4	75.0	32.4	3.9
Basic Metal Products	3	8	4	412.5	1,478.9	22.1
Machinery Manufacturing	8	11	4	24.0	66.8	12.3
Non-Metallic Mineral Products	6	3	4	14.1	-	-
Plastic Products	4	2	6	152.3	45.3	23.3
Paper, Printing & Publishing	5	4	3	217.2	173.3	10.5
Rubber Products	1	2	-	-	7.8	-
Textile & Garment	1	1	5	2.0	7.5	16.5
Food Manufacturing	3	6	1	2.1	62.8	3.2
Wood & Wood Products	-	1	2	-	1.1	16.0
Transport Equipment	2	4	2	12.5	21.3	6.9
Others	5	2	3	41.5	15.2	5.7
<b>TOTAL</b>	<b>90</b>	<b>104</b>	<b>68</b>	<b>1,449.1</b>	<b>2,666.5</b>	<b>5,513.8</b>

Source: Derived from the data provided by MIDA Penang

**Approved Manufacturing Projects And Investment By States,  
1997 & 1998**

State	No. of Projects			Investment (RM Mil.)		
	1997	1998	1999 (Jan-Sept)	1997	1998	1999 (Jan-Sept)
Terengganu	16	28	10	2,290.8	7,165.3	1,301.2
Johor	171	159	137	4,540.5	4,513.5	1,154.3
Selangor	206	221	129	4,541.4	3,832.5	2,154.3
<b>Pulau Pinang</b>	<b>90</b>	<b>104</b>	<b>68</b>	<b>1,449.1</b>	<b>2,666.5</b>	<b>4,621.5</b>
Sarawak	33	61	16	563.0	1,549.5	118.6
Pahang	21	31	12	3,066.2	2,472.5	296.6
Negeri Sembilan	26	34	23	991.8	934.7	287.4
Sabah	31	43	5	1,817.9	926.0	27.3
Kedah	59	44	33	4,649.7	747.1	489.4
Melaka	20	34	21	572.4	903.1	167.1
Perak	51	52	38	625.7	510.9	1,116.0
Wilayah Persekutuan	18	17	15	244.7	74.2	210.6
Kelantan	13	12	4	364.9	54.2	16.6
Perlis	4	3	-	102.5	20.1	-
Location unconfirm	-	1	-	-	35.5	-
<b>TOTAL</b>	<b>759</b>	<b>844</b>	<b>365</b>	<b>25,820.6</b>	<b>26,405.6</b>	<b>11,960.8</b>

Source: Derived from the data provided by MIDA Penang



**Penang: Principal Statistics of Manufacturing Industry**

Industry Description	No. of Establishments		Total Employees	
	1995	1996	1995	1996
Food products	130	270	8,254	8,683
Oil & Fats	17	16	1,236	1,128
Textile & Apparel	98	197	22,701	20,004
Wood Products except furniture	27	67	2,882	2,913
Wood-based furniture	9	61	725	675
Paper Products	42	152	8,482	9,131
Chemical Prod	47	58	4,741	4,248
Rubber Products	20	32	8,248	7,390
Plastic Products	21	108	10,168	10,070
Non-metallic Mineral Prod	30	40	1,143	1,482
Basic Iron & Steel Ind.	22	84	5,145	5,870
Non-ferrous metal Prod	8	10	2,257	2,230
Fab Metal Products	58	165	6,169	5,744
Non-electrical Machinery	43	113	14,058	17,192
Electrical Machinery	64	132	103,906	117,038
Motor Vehicles & Other Transport	27	26	3,252	3,498
Scientific & Optical Eqpt.	10	9	4,636	4,288
Others	41	72	6,852	7,161
<b>TOTAL</b>	<b>714</b>	<b>1612</b>	<b>214,855</b>	<b>228,745</b>

(continuation)

Industry Description	Value Added (RM '000)		Value Added Per Employee (RM)	
	1995	1996	1995	1996
Food products	389,350	449,794	47,171	51,802
Oil & Fats	69,815	84,013	56,485	74,480
Textile & Apparel	670,087	540,001	29,518	26,995
Wood Products except furniture	54,298	74,462	18,840	25,562
Wood-based furniture	17,625	18,351	24,310	27,187
Paper Products	333,920	360,418	39,368	39,472
Chemical Prodt	473,106	410,719	99,790	96,685
Rubber Products	345,321	359,762	41,867	48,682
Plastic Products	327,794	347,122	32,238	34,471
Non-metallic Mineral Products	55,004	71,413	48,122	48,187
Basic Iron & Steel Industry	400,078	531,305	77,761	90,512
Non-Ferrous Metal Basic Industry	118,592	71,446	52,544	32,039
Fab. Metal Products	199,868	281,155	32,399	48,948
Non-electrical Machinery	493,885	1,075,660	35,132	62,567
Electrical Machinery	4,574,690	5,797,228	44,027	49,533
Motor Vehicles & Other Transport	268,269	251,036	82,494	71,766
Scientific & Optical Eqmt	163,667	144,224	35,303	33,634
Others	167,501	190,716	24,446	26,633
<b>Total</b>	<b>9,122,870</b>	<b>11,058,825</b>	<b>42,461</b>	<b>48,346</b>

Source: Derived from the data provided by MIDA Penang

(continuation)

Industry Description	Fixed Assets (RM'000)		Salaries/Wages (RM'000)	
	1995	1996	1995	1996
Food products	412,048	480,079	98,546	109,617
Oil & Fats	122,691	109,714	20,133	18,925
Textile & Apparel	719,554	627,836	266,931	264,245
Wood Products except furniture	49,118	98,772	27,408	33,892
Wood-based furniture	11,552	12,136	5,970	5,640
Paper Products	630,770	753,580	105,611	131,499
Chemical Prod	1,218,710	1,179,135	89,030	87,424
Rubber Products	261,714	364,477	93,712	99,216
Plastic Products	340,235	433,543	107,049	120,826
Non-metallic Mineral Prod	98,998	121,160	15,933	21,959
Basic Iron & Steel Ind.	1,079,877	1,207,705	88,823	107,147
Non-ferrous metal Prod	128,503	133,676	35,168	39,402
Fab Metal Products	384,050	499,129	61,888	68,542
Non-electrical Machinery	596,604	996,904	158,706	254,953
Electrical Machinery	5,222,943	4,814,563	1,410,659	1,698,672
Motor Vehicles & Other Transport	208,092	162,632	53,391	58,319
Scientific & Optical Eqpt.	169,814	156,939	73,687	73,872
Others	154,809	161,055	71,394	82,089
TOTAL	11,810,082	12,313,035	2,784,039	3,276,239

(continuation)

Industry Description	Tech. Coef. of Labour		Capital Intensity (RM)	
	1995	1996	1995	1996
Food products	0.0491	0.0515	49,921	55,290
Oil & Fats	0.0125	0.0180	99,265	97,264
Textile & Apparel	0.1311	0.1412	31,697	31,386
Wood Products except furniture	0.1109	0.1229	17,043	33,907
Wood-based furniture	0.1184	0.1054	15,934	17,979
Paper Products	0.1129	0.1207	74,366	82,530
Chemical Prods	0.0491	0.0542	257,058	277,574
Rubber Products	0.0915	0.0993	31,731	49,320
Plastic Products	0.1294	0.1345	33,461	43,053
Non-metallic Mineral Products	0.1037	0.1053	86,612	81,754
Basic Iron & Steel Industry	0.0459	0.0475	209,889	205,742
Non-Ferrous Metal Basic Industry	0.0412	0.0434	56,935	59,944
Fab. Metal Products	0.0810	0.0868	62,255	86,896
Non-electrical Machinery	0.0513	0.0514	42,439	57,987
Electrical Machinery	0.0714	0.0724	50,266	41,137
Motor Vehicles & Other Transport	0.0668	0.0642	63,989	46,493
Scientific & Optical Eqmt	0.1988	0.2173	36,629	36,600
Others	0.0815	0.1179	22,593	22,491
AVERAGE	0.0711	0.0736	54,968	53,829

Source: Derived from the data provided by MIDA Penang

## TERTIARY SECTOR

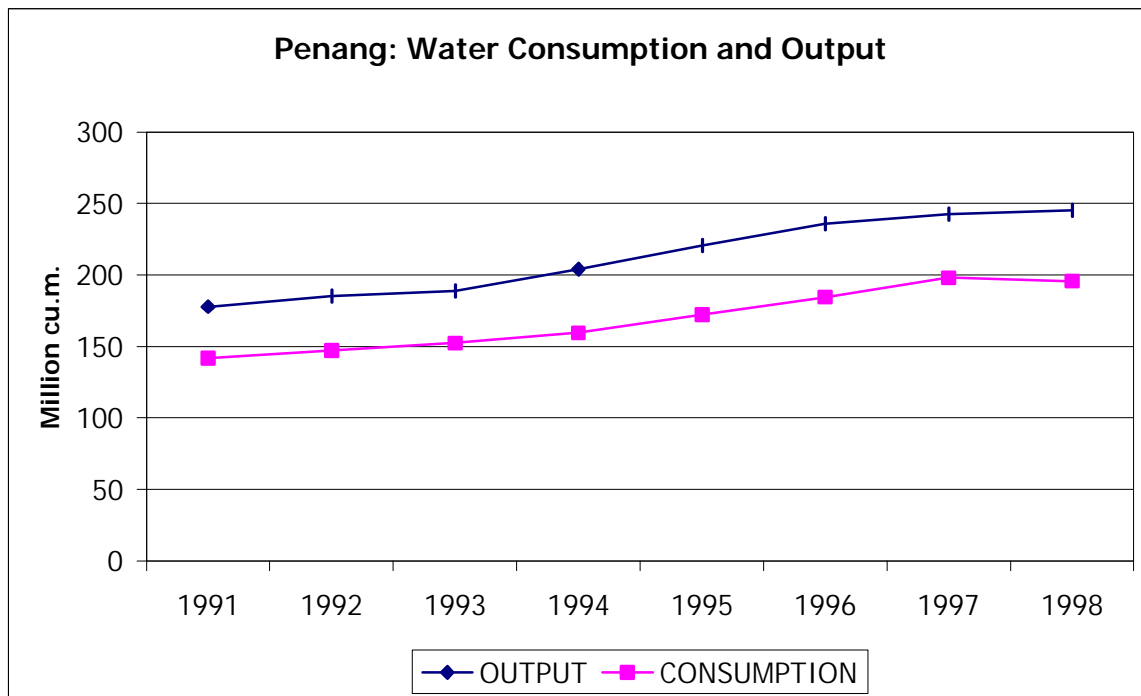
### UTILITIES

#### WATER

#### Penang: Water Output And Consumption 1991 – 1999 (June) ('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	235,931	7.0	184,541	7.1
1997	242,531	2.8	198,038	7.3
1998	245,425	1.2	195,668	-1.2
1998 (Jan-June)	123,602		100,697	
1999 (Jan-June)	124,765	0.9	98,092	-2.6

Source: Derived from the data provided by Penang Water Corporation



Source: Derived from the data provided by Penang Water Corporation

**Penang: Daily Water Supply And Consumption  
1997 & 1999**

	1998			1999		
	Penang Island	Seberang Perai	Penang State	Penang Island	Seberang Perai	Penang State
No. of Treatment Plants	6	4	10	6	4	10
Max. Capacity of Treatment Plants (cu.m./day)	168,182	704,545	872,727	172,727	881,820	1,054,547
Average Daily Production (in cu.m.)	336,556	335,843	672,399	116,788	533,542	650,330
Average Daily Consumption (in cu.m.)	269,745	266,333	536,078	275,963	265,979	541,942
No. of Services (consumers)	161,096	153,825	314,921	168,000	160,300	328,300
Daily Consumption (cu.m.) per consumer	1.67	1.73	1.70	1.64	1.66	1.65
per industrial consumer	7.16	6.16	6.63	6.76	5.71	6.24
per domestic consumer	1.09	1.16	1.13	1.08	1.12	1.1

Source: Derived from the data provided by Penang Water Corporation

## ELECTRICITY

### Penang: Power Demand & Supply

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

Note: \* Projected Figures

Source: TNB, Penang.

## TRANSPORT

### ROAD TRANSPORT Motor Vehicle Registration

As at end of the month / year	State	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	TOTAL
1995	Penang	482,885	231,116	1,100	2,544	25,723	1,610	744,978
	Malaysia	3,564,756	2,532,396	27,276	35,224	430,716	28,969	6,619,337
1996	Penang	526,036	266,407	2,266	2,734	29,724	422	827,589
	Malaysia	3,951,931	2,886,536	49,485	38,965	512,165	9,971	7,449,053
1997	Penang	569,877	305,525	2,301	3,149	33,538	386	914,776
	Malaysia	4,328,997	3,271,304	51,293	43,444	574,622	10,826	8,280,486
1998	Penang	602,017	322,598	2,358	3,582	34,151	299	965,005
	Malaysia	4,692,183	3,452,852	54,590	45,643	599,149	10,042	8,854,459
1999 (Nov.)	Penang	636,503	351,280	2,408	3,723	35,144	315	1,029,373
	Malaysia	5,054,961	3,755,105	55,496	47,495	640,630	10,132	9,563,819

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

Note: the data on 'others' are omitted this time

## TRADE

### PENANG AIRPORT

#### Aircraft Movements per annum, 1991-1999 (Jan-Nov)

<i>Year</i>	<i>No. of Movement</i>
1991	30,818
1992	36,826
1993	35,034
1994	35,950
1995	35,556
1996	36,956
1997	35,445
1998	32,907
1999 (Jan-Nov)	25,118

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

### Number of Passengers

#### (Domestic & International) per annum, 1991- 1999 (Jan-Nov)

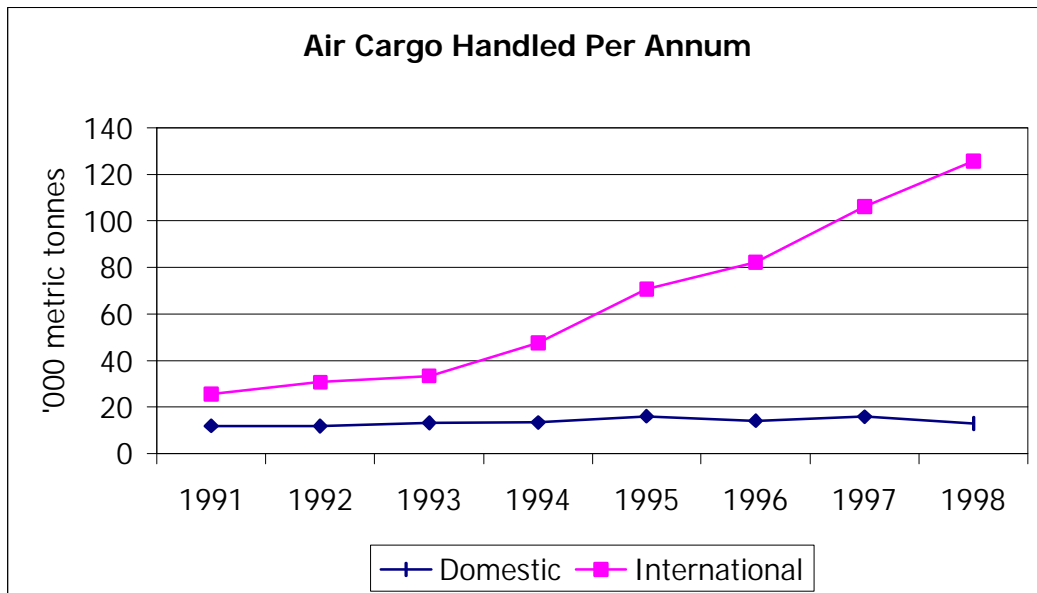
Year	No. of Passengers (in million)		
	Domestic	International	Total
1991	1.27	0.90	2.17
1992	1.56	1.08	2.64
1993	1.65	1.13	2.78
1994	1.58	1.20	2.78
1995	1.60	1.25	2.85
1996	1.70	1.18	2.88
1997	1.68	1.23	2.91
1998	1.35	1.10	2.45
1999 (Jan-Nov)	1.24	1.03	2.27

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

**Cargo Handled (Domestic & International) per annum, 1991- 1999 (Jan-Nov)**

Year	Cargo Handled (in '000 metric tonne)		
	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	13.07	125.73	138.80
1999 (Jan-Nov)	43.47	102.79	146.18

- The figures from 1993 onwards are based on new categorisation method.
- Source: Derived from series of Airport Statistics, Malaysia Airports Berhad.



Source: Derived from the data provided by 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 (Jan-Oct)	2,061	4,013	6,074

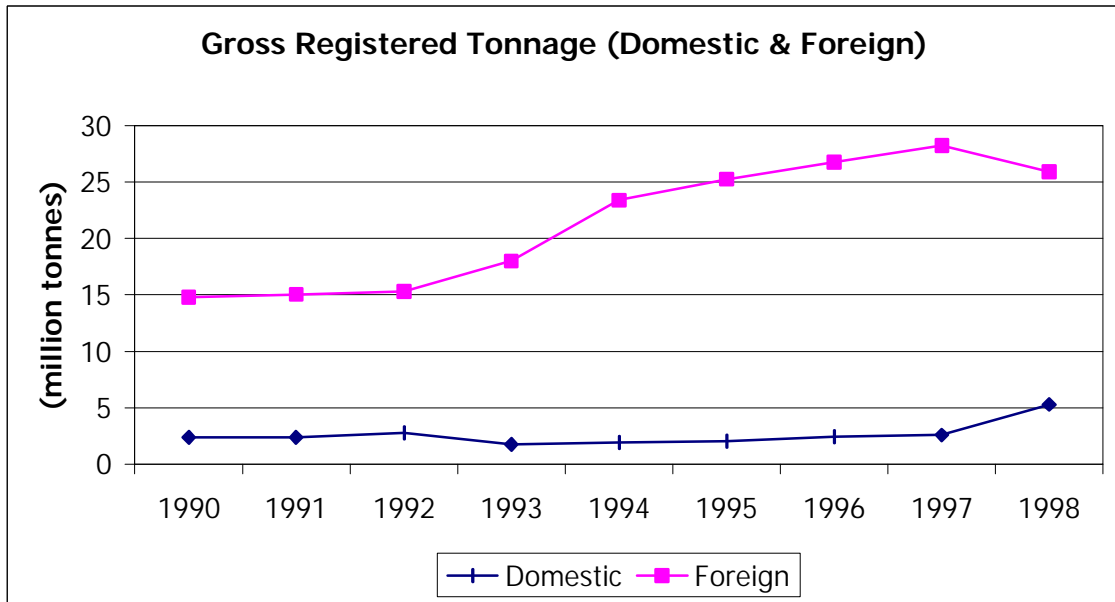
Source: Derived from the statistics provided by Penang Port Sdn Bhd

**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 (Jan-Nov)	3.92	22.97	26.89

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 – 1999 (Jan-Nov)

Year	General Cargo (million freight tonnes)	Dry Bulk (million freight tonnes)	Liquid Bulk (million freight tonnes)	Containerised (million freight tonnes)	Total (million freight tonnes)	Container Traffic (in TEUs)
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 (Jan-Nov)	1.68	2.51	4.42	9.18	17.8	518,806

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

## TOURISM

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

	1996	1997	1998	1999 (Jan-June)
Average Occupancy Rate	61.64%	59.40%	60.35%	58.64%
Average Occupancy for Beach Hotels	59.61%	56.93%	66.07%	61.96%
Average Occupancy for City Hotels	64.98%	63.29%	52.35%	53.66%
Number of Registered Guest Recorded	1,966,942	1,923,781	1,738,385	893,572
Estimated Total Visitor Arrivals for the State	3,444,148	3,167,239	3,251,141	1,561,097
Estimated Total Domestic Visitors	44.24%	47.80%	39.10%	39.07%
Estimated Total International Visitors	55.76%	52.20%	60.90%	60.93%

Source: Tourism Development Division, PDC

## PROPERTY

### Penang: Average House Prices (January – June 1999) (Average Prices RM/unit)

	Penang Island	S. Perai Utara	S. Perai Tengah	S Perai Selatan	Total
Terraced					
Single Storey	234,833	113,750	82,500	63,333	494,416
Double Storey	341,833	151,083	138,543	104,833	736,292
Semi-Detached					
Single Storey	9,000	-	115,000	86,500	210,500
Double Storey	523,750	-	257,000	187,500	968,250
Detached					
Single Storey	618,110	-	-	-	618,110
Double Storey	1,140,000	-	-	414,000	1,554,000
High-Rise					
Condo/Apartment	756,813	-	-	-	756,813
Flats	83,200	78,500	58,000	-	219,700

Source: Derived from Malaysia House Price Indices, Jan-June 1998 and series of Property Market Report

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

	Residential		Commercial		Industrial		Agriculture		Others		Total	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
0 – 25,000	350	132	20	10	0	0	522	-	109	-	1,001	142
25,001 – 50,000	747	360	16	4	2	0	276	-	119	-	1,160	364
50,001 – 75,000	1,921	914	31	23	2	0	167	-	97	-	2,218	937
75,001 – 100,000	1,712	825	48	22	1	0	114	-	57	-	1,932	847
100,001 - 150,000	1,648	898	106	46	10	03	113	-	52	-	1,929	947
150,001 - 200,000	865	491	136	111	56	12	73	-	37	-	1,167	614
200,001 - 250,000	477	214	173	74	82	28	48	-	24	-	804	316
250,001 - 500,000	727	489	429	174	269	87	78	-	86	-	1,589	750
500,001 - 1,000,000	179	106	143	61	44	32	32	-	55	-	453	199
1,000,001 & above	25	17	22	17	33	17	28	-	115	-	223	51
Total Number	8,651	4446	1,124	499	499	179	1,451	-	751	-	12,476	5167
(% Breakdown)	69.3	86.0	9.0	4.0	4.0	3.5	11.6	-	6.0	-	100.0	100.0

Source: Derived from Malaysia House Price Indices, Jan–June 1998 and series of Property Market Report

### 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 (Jan-Jun)	162.3	172.7	197.7	167.5	165.7

Source: Derived from Malaysia House Price Indices, Jan–June 1998 and series of Property Market Report

## EDUCATION

### Penang: Number of Schools, Students and Teachers at the Primary Level, 1998 & 1999

Type of School	No. of Schools		No. of Students		No. of Teachers	
	1998	1999	1998	1999	1998	1999
SK/SRK	123	123	77,733	77,688	4,051	4,019
SRJK(C)	90	90	54,124	54,061	2,504	2,504
SRJK(T)	28	28	4,815	4,821	343	343
SR Khas	3	3	199	199	54	57
<b>Total</b>	<b>244</b>	<b>244</b>	<b>136,871</b>	<b>136,769</b>	<b>6,952</b>	<b>6,923</b>

Source: Jabatan Pendidikan Pulau Pinang

### Penang: Number of Schools, Students and Teachers at the Secondary Level, 1998 & 1999

Type of School	No. of Schools		No. of Students		No. of Teachers	
	1998	1999	1998	1999	1998	1999
SM Biasa	71	71	101,889	106,011	5,536	5,503
SM (Asrama Penuh)	1	1	525	725	72	73
SM Khas	1	1	246	227	43	42
SM Vokasional & SM Teknik	5	5	2,827	2895	311	322
SM Agama	4	4	2,252	3132	186	180
<b>Total</b>	<b>82</b>	<b>82</b>	<b>107,739</b>	<b>112,990</b>	<b>6148</b>	<b>6,120</b>

Source: Jabatan Pendidikan Pulau Pinang

## HEALTH

Life Expectancy (Peninsular Malaysia):

Male 69.4 years

Female 74.2 years

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

	1991	1992	1993	1994	1995	1996	1997	1998	1999(f)
Crude Birth Rate	22.3	21.9	21.5	22.8	24.9	23.6	21.8	20.8	20.4
Crude Death Rate	5.5	4.5	5.3	6.3	5.9	6.4	6.2	6.2	6.3
Infant Mortality Rate	8.2	8.7	9.0	8.7	7.2	7.5	7.0	6.2	5.5
Prenatal Mortality Rate	12.6	13.9	12.8	12.5	9.9	9.5	8.6	8.3	9.4
Neonatal Mortality Rate	6.3	6.2	6.8	6.3	5.0	5.3	4.9	4.1	4.0
Toddler Mortality Rate	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.1
Maternal Mortality Rate	0.5	0.4	0.3	0.6	0.3	0.3	0.4	0.5	0.1

### Penang: Ratio of Medical Professional - Population

	1993	1994	1995	1996	1997	1998	1999(f)
Doctor	1:1435	1:1514	1:1482	1:1432	1:1353	1:1244	1:1234
Dentist	1:11932	1:9365	1:9576	1:8882	1:9258	1:9425	1:9236
Nurse (Government)	1:606	1:713	1:669	1:677	1:728	1:689	1:681

Source: The health indicators are derived from the series of Penang Health Information, State Health Department, Penang and from unpublished sources.

**Penang: Health Facilities 1996-1999**

	1996	1997	1998	1999(f)
Government Hospital	5	5	5	5
Private Hospital	10	11	11	11
Private Maternity Home	8	7	7	7
Polyclinic	6	6	6	6
Mother & Child Health Clinic	12	12	12	12
Health Centre	16	16	16	17
Rural Clinics	28	28	61	64
Midwives quarters-cum-clinics	38	38	3	3

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

<i>District</i>	<b>1998</b>			<b>1999</b>		
	Govt.	Private	Total	Govt.	Private	Total
<b>Timur Laut</b>	1276	1523	<b>2799</b>	1236	1394	<b>2630</b>
<b>Barat Daya</b>	71	50	<b>121</b>	71	50	<b>121</b>
<b>Seb. Perai Utara</b>	0	200	<b>200</b>	0	198	<b>198</b>
<b>Seb. Perai Tengah</b>	546	115	<b>661</b>	574	115	<b>689</b>
<b>Seb. Perai Selatan</b>	130	0	<b>130</b>	130	0	<b>130</b>
<b>Total</b>	2023	1888	<b>3911</b>	2011	1757	<b>3768</b>

Source: Jabatan Kesihatan Negeri, Pulau Pinang.

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

	1995	1996	1997	1998	1999(f)
HIV	174	194	215	187	232
AIDS	14(13)	24(24)	27(27)	52(35)	104(54)

Note: ( ) dead

Source: The health indicators are derived from the series of Penang Health Information, State Health Department, Penang and from unpublished sources.

