

Appendix 1: Detailed statistical tables

Thailand's macro-economy at a glance

	1990	1991	1992	1993	1994	1995	1996	1997	1998p	1999e	
A. Production and Investment *											
Real GDP growth - Total (%)	11.2	8.5	8.2	8.5	8.9	8.8	5.5	-0.4	-8.5	-0.4	
- Agriculture (%)	-4.6	6.5	6.0	0.0	5.2	2.5	3.8	1.5	2.8	2.3	
- Industry (%)	15.7	11.7	11.3	11.1	9.1	11.2	6.9	-0.7	-12.6	0.1	
- Construction (%)	22.0	13.6	4.7	8.7	14.2	7.4	6.1	-7.9	-26.8	-6.9	
- Trade, Services and Others (%)	12.9	6.6	7.6	9.3	9.0	9.0	6.0	0.3	-6.3	-0.7	
GDP at current prices (bil. baht)	2,186	2,507	2,827	3,180	3,635	4,203	4,690	4,827.2	4,798.2	4,894.6	
Private Investment Index	134.2	108.3	90.9	115.3	115.6	116.9	96.7	69.7	5.5	n.a.	
Domestic investment to GDP ratio (%)	41.3	42.7	40.0	39.9	40.4	41.4	41.7	35.0	23.8	n.a.	
National savings to GDP ratio (%)	33.2	34.0	33.9	34.2	34.8	34.9	33.7	32.9	36.1	n.a.	
B. Population*											
Population - level (mil. persons)	56.3	57.0	57.8	58.3	59.1	59.5	60.1	60.8	61.47	62.1	
- growth (%)	0.7	1.2	1.4	0.9	1.4	0.7	1.0	1.2	1.1	1.0	
GDP per capita (US\$)	1,516	1,742	1,931	2,152	2,445	2,828	3,027	2,454	1,923	2,292	
Labor force (mil. persons)	31.2	31.8	32.4	32.9	33.2	33.4	33.9	32.8	32.8	n.a.	
C. External Sector											
Exports - value (bil. US\$)*	22.9	28.3	32.2	36.6	44.7	55.7	54.7	56.7	52.9	26.4	(Jan.-Jun. 99)
- growth (%)	(-15.1)	(-23.8)	(-13.8)	(-13.4)	(-22.5)	(-24.8)	(-1.9)	(-3.8)	(-6.8)	(-0.7)	
Imports - value (bil. US\$)*	32.7	37.8	40.1	45.1	53.4	70.4	70.8	61.3	40.6	21.7	
- growth (%)	(-29.8)	(-15.7)	(-6.0)	(-12.4)	(-18.1)	(-31.9)	(-0.6)	(-13.4)	(-33.8)	(-5.9)	
Trade balance (bil. US\$)*	-9.8	-9.5	-7.9	-8.5	-8.7	-14.7	-16.1	-4.6	12.2	4.7	
Current account balance (bil. US\$)	-7.1	-7.4	-6.1	-6.1	-7.8	-13.2	-14.4	-3.1	14.3	5.5	(Jan - May. 99)
(as percent of GDP) (%)	(8.3)	(-7.5)	(-5.5)	(-4.9)	(-5.4)	(-7.8)	(-7.9)	(-2.0)	(-12.3)	n.a.	
Net capital inflow (bil. US\$)	9.7	11.3	9.5	10.5	12.2	21.9	19.5	-9.1	-9.6	-3.6	(Jan.- May. 99)
Overall balance of payments (bil. US\$)	3.8	4.2	3.0	3.9	4.2	7.2	2.2	-10.6	1.7	2.4	
Official reserves (bil. US\$)	14.3	18.4	21.2	25.4	30.3	37.0	38.7	27.0	29.5	31.9	(23 July 99)
(in months of imports) (mil. US\$)	5.2	5.8	6.3	6.8	6.8	6.3	5.9	5.3	8.7	n.a.	
Total outstanding debt (bil. US\$)	(-29.3)	(-37.9)	(-43.6)	(-52.1)	(-64.9)	(-82.6)	(-90.5)	(-93.4)	86.2	81.7	(May.99)
Debt service ratio - public (%)	5.0	4.2	3.7	3.7	3.4	2.8	2.5	2.6	3.2	n.a.	
- private (%)	4.1	5.6	6.8	7.0	7.9	8.2	9.8	13.0	17.6	n.a.	
Total debt service ratio (%)	10.8	10.6	11.3	11.3	11.7	11.4	12.3	15.6	20.8	n.a.	
D. Money and Prices											
Consumer Price Index (%)	6.0	5.7	4.1	3.3	5.0	5.8	5.9	5.6	8.1	n.a.	
Wholesale Price Index (%)	3.4	6.9	0.2	-0.5	3.9	8.3	4.7	3.9	13.8	n.a.	
Growth of money supply (M2) (%)	(-26.7)	(-19.8)	(-15.6)	(-18.4)	(-12.9)	(-17.0)	(-12.6)	(-16.4)	(-9.5)	(-6.1)	
Growth of domestic credit(%)	26.9	15.5	18.0	22.7	28.9	23.1	14.0	34.5	-1.2	-3.7	
Private 1/ (%)	33.2	21.0	20.5	23.3	30.3	24.1	14.4	30.5	-7.9	-8.4	
Growth of deposits (%)	27.5	21.4	16.2	19.2	13.1	18.2	13.7	16.0	8.8	5.9	
E. Public Sector (Fiscal Year)											
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	(Oc.98 -Jun.99)
Government revenue (bil. US\$)	15.4	18.2	19.6	22.1	26.0	30.5	33.6	30.7	17.6	n.a.	
Government expenditure (bil. US\$)	11.4	13.4	16.6	19.6	23.2	25.8	29.9	32.4	20.2	n.a.	
Fiscal deficit (bil. US\$)	4.0	4.8	3.4	2.7	2.6	4.5	4.5	-1.7	-2.6	n.a.	
(as percent of GDP) (%)	-4.7	-4.9	-3.0	-2.2	-1.8	-2.7	2.7	-1.5	-2.3	n.a.	
F. Exchange Rate											
Baht/dollar exchange rate (average)	25.59	25.52	25.45	25.32	25.15	24.91	25.34	31.37	41.37	37.12	

Sources: National Economic and Social Development Board and Bank of Thailand (except where noted)

Notes: p - provisional, e - estimate, n.a. - not available

Thailand's major exports, 1997-1998

(Quantity: Metric tons)

(Value: Million baht)

Item	1997		1998	
	Quantity	Value	Quantity	Value
AGRICULTURAL PRODUCTS	-	257,562.6	-	304,487.8
Agriculture Products	-	166,130.6	-	186,344.2
Rice	5,567,518	65,093.4	6,540,254	86,806.2
Maize	53,202	297.4	122,713	622.2
Beans	24,663	384.7	24,336	493.2
Tapioca products	5,435,995	22,458.3	4,133,888	22,133.2
Fresh or frozen fruit	230,275	5,288.0	189,100	3,993.3
Fresh or frozen vegetables	84,977	2,378.4	97,404	3,174.3
Spices and medicinal plants	35,229	843.0	56,288	1,111.1
Cut natural orchids	10,471	744.7	11,675	1,046.7
Rubber	1,919,467	57,450.0	1,998,232	55,412.9
Green coffee	71,248	2,075.5	53,488	3,496.7
Tobacco leaves	30,828	2,522.9	30,309	2,993.0
Sesame seeds	23,763	355.7	31,562	488.9
Betel nuts	9,034	160.0	12,074	327.7
Kapok	944	46.3	736	36.5
Cashew nuts	721	26.1	760	71.1
Other cereals	28,261	634.3	15,047	434.5
Bran, sharps and residues of cereals	3,219	9.0	9,593	33.1
Vegetable seeds	3,184	900.4	2,836	859.1
Lac	2,659	135.2	3,932	236.6
Vegetable saps and extracts of medicinal plants	568	303.5	614	455.3
Dried longans	38,077	2,142.9	945	85.5
Orchid plants(thousand unit)	18,551	117.9	17,321	144.1
Dried vegetable, whole, cut sliced	3,821	327.7	3,381	251.0
Cotton	6,464	192.2	4,903	188.8
Fishery And Livestock Products	681,060	73,337.0	676,283	90,047.5
Frozen Shrimp	138,968	47,583.9	163,917	58,806.7
AGRO-INDUSTRY PRODUCTS	-	170,500.4	-	202,642.2
Prepared or preserved fish, crustaceans mollusks in airtight containers	424,882	57,392.5	458,695	76,454.1
Cane Sugar and molasses	4,909,523	32,922.2	2,926,899	28,056.9
Prepared or preserved fruits in airtight containers	537,948	13,987.9	442,307	15,453.3
Vegetable canned, prepared or preserved	210,208	5,800.6	224,921	6,352.7
Rubber products	-	25,051.2	-	35,666.1
Jute products	-	2,671.2	-	3,678.8
Rice products	135,076	3,719.8	138,459	4134.0
Wheat products and other food preparation	164,568	5,754.9	163,297	6,531.7
Preparation of a kind used in animal feeding	227,812	8,040.7	210,305	9,730.3
Sauces and preparations thereof	56,895	2,406.0	70,451	3,113.2
PRINCIPLE MANUFACTURING PRODUCTS	-	1,280,045.0	-	1,624,926.8
Textiles	-	170,285.6	-	209,280.9
Garments	-	102,152.3	-	129,944.8
Precious stones and jewelry	-	55,622.3	-	57,356.5
Electrical equipment	-	187,942.4	-	232,839.0
Electronic machines	-	412,221.1	-	558,745.9
Computers and Parts	-	220,302.7	-	320,538.3
Integrated Circuits	-	75,837.7	-	93,833.3
Furniture and parts thereof	-	22,180.4	-	25,973.2
Wooden products	91,513	8,966.6	117,772	11,977.3
Iron or steel products	-	26,757.6	-	37,330.9
Aluminum structures and parts	16,639	2,674.6	106,892	2,941.8
Polymers of ethylene, propylene, etc. in primary form	917,400	23,980.2	1,664,234	40,786.3
Plastic products	410,891	25,183.2	486,747	29,093.2
Artificial flower, foliage fruit	4,630	1,706.0	5,932	2,225.6
Footwear and parts thereof	-	35,305.9	-	38,362.5
Travel goods	-	12,263.7	-	17,144.8

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Thailand's major exports, 1997-1998 (continued)

 (Quantity: Metric tons)
 (Value: Millions baht)

Item	1997		1998	
	Quantity	Value	Quantity	Value
PRINCIPLE MANUFACTURING PRODUCTS, CONTINUED				
Leather and bovine leather products	-	15,712.6	-	15,980.9
Ceramic products	48,457	3,756.5	59,445	5,157.7
Motorcars, motor vehicles, parts and accessories	-	48,419.6	-	68,352.6
Automobile and Parts	-	32,760.7	-	49,066.4
Toys	-	8,284.7	-	8,990.2
Articles for Christmas festivities	25,330	3,340.4	25,763	3,871.4
Clocks, watches and parts thereof	-	12,412.1	-	14,146.2
Spectacle lenses (Thousand pair)	-	5,002.4	-	7,313.5
Photographic cameras and parts thereof	-	6,535.6	-	6,842.5
Games and sports requisites	-	7,077.9	-	7,173.3
Chemical products	1,162,937	23,189.4	1,204,039	25,532.3
Kerosene J.P.1	228,460	1,592.0	155,447	942.7
Instruments and appliances used in medical	-	5,337.3	-	7,334.8
Pharmaceutical products	11,113	2,337.6	10,289	2,821.6
Glassware of used table, kitchen or similar purpose	20,155	1,138.3	22,488	1,325.2
Lighters and parts thereof	-	537.0	-	609.2
Articles of zinc	7,037	219.7	6,120	247.7
Tanning or dyeing extracts	20,913	2,129.9	24,280	2,472.4
Artificial waxes and prepared waxes	14,447	514.9	15,472	709.5
Beauty or makeup preparations, soap and preparations for the care of the skin	89,024	6,762.1	96,914	8,769.6
Essential oils	722	555.9	950	967.1
Spiritous beverages(Thousand litre)	87,853	1,381.0	78,991	1,782.7
Milk and milk products	54,195	1,104.6	36,084	1,383.5
Chewing gum and sugar confectionery not containing cocoa	16,848	1,095.9	13,050	934.1
Sawn wood, sliced of thickness exceeding 6 mm.(Thousand Cu.M.)	50	463.2	5,955	473.4
Veneer sheets	1,765	373.8	1,876	471.5
Toilet paper, cleansing tissues of facing tissues and sanitary towels	22,590	2,069.9	25,122	2,622.8
Headgear and parts thereof	-	935.1	-	1,125.9
Umbrellas(Thousand unit)	5,463	488.2	5,346	612.8
Safety glass	-	449.8	-	526.9
Table kitchen or other household articles of aluminum	7,574	1,692.8	18,713	5,452.6
Tableware, kitchenware of base metals	-	760.3	-	1,044.3
Pens and parts thereof	-	1,007.2	-	1,328.2
Articles of bedding and similar furnishing	-	1,192.2	-	1,312.9
Vacuum flasks and parts thereof	-	481.0	-	567.5
Machinery and mechanical appliances and parts thereof	-	13,714.3	-	22,978.5
MINERAL PRODUCTS AND FUEL				
Tin	7,981	1,423.0	11,171	2,531.4
Natural gas	595,976	3,031.4	343,100	1,961.2
Gypsum	6,697,059	3,478.7	3,923,103	2,413.6
Zinc	23,677	986.4	48,188	2,330.9
Lead ores and concentrates	14,500	179.0	18,501	208.7
Feldspar	241,494	181.0	239,017	166.5
Barytes	31,229	114.3	57,513	171.6
Flourspar	10,760	19.8	7,500	20.6
Strurerite(columbium-tantalum)	2,711	137.5	942	79.3
Other	6,4387	48,033.8	177,710	72,051.8

Source: Trade Statistics and Economic Indicators of Thailand 1998, Department of Business Economics, Ministry of Commerce

Gross domestic product by industrial origin at constant 1988 prices

(Billion baht)

Industrial Origin	1992			1993			1994		1995		1996p	
	Value	Value	Growth %	Value	Growth %	Value	Growth %	Value	Growth %	Value	Growth %	
Agriculture	296.141	299.5	-0.02	315.1	5.2	322.0	2.2	327.6	3.8			
Crops	177	174.5	-3.2	184.0	5.5	191.9	4.3	194.8	6.4			
Livestock	30.256	31.6	4.3	31.3	-0.9	32.1	2.3	32.8	2.4			
Fisheries	40.185	45.6	13.3	49.2	8.0	48.9	-0.8	49.4	-1.8			
Forestry	5.7	5.0	-12.0	4.1	-17.6	3.8	-7.1	4.2	-2.3			
Agriculture Services	9.4	8.8	-6.7	9.0	2.7	8.3	-7.7	8.7	1.2			
Simple agriculture processing	33.6	34.0	1.2	37.3	9.7	36.9	-1.0	37.7	1.1			
Mining and Quarrying	38.0	40.6	7.0	43.4	7.0	43.7	0.6	52.3	17.0			
Manufacturing	672.6	747.1	11.1	815.1	9.1	907.2	11.3	972.4	6.9			
Food	62.5	61.6	-1.6	65.8	6.8	70.1	6.6	74.4	5.5			
Beverages	43.1	47.6	10.4	53.4	12.3	61.8	15.7	66.2	5.9			
Tobacco and snuff	16.5	17.0	3.1	18.2	7.1	17.2	-5.4	19.2	11.6			
Textiles	65.6	65.6	0.1	67.6	2.9	70.0	3.6	68.6	-2.6			
Wearing Apparel Except Footwear	68.2	69.9	2.4	73.6	5.3	75.2	2.2	76.5	1.6			
Leather, leather products and footwear	24.1	27.2	12.8	28.2	4.0	27.1	-4.1	28.2	-1.7			
Wood and wood products	6.1	4.7	-23.7	6.1	30.3	4.5	-26.5	3.7	-17.8			
Furniture and fixtures	16.4	16.8	2.1	16.7	-0.4	16.4	-1.8	14.9	-9.1			
Paper and paper products	9.1	10.6	16.5	13.0	21.8	14.4	11.2	16.5	15.4			
Printing, publishing and allied industries	7.1	8.2	15.6	8.9	8.6	9.9	11.5	11.6	16.0			
Chemicals and chemicals products	16.5	17.8	8.0	19.6	9.9	22.2	12.9	25.4	9.0			
Petroleum refineries and products	41.7	50.0	19.8	56.0	12.1	66.9	19.3	85.8	28.4			
Rubber and plastic products	19.2	20.4	6.1	24.7	20.8	27.9	13.1	26.7	-4.6			
Non metallic mineral products	38.2	44.5	16.5	49.6	11.6	55.9	12.5	60.7	10.4			
Basic metal industries	10.4	12.9	24.4	16.0	23.9	18.4	14.9	17.7	2.9			
Fabricated metal products	18.0	20.2	12.2	22.3	10.4	24.8	11.1	29.3	17.2			
Machinery	38.5	45.1	17.0	55.1	22.3	70.2	27.3	86.4	23.6			
Electrical machinery and supplies	53.5	63.0	17.7	75.4	19.5	89.2	18.4	95.1	6.9			
Transport equipment	61.9	81.7	31.9	74.6	-8.7	88.1	18.0	90.3	2.5			
Other manufacturing industries	55.8	62.4	11.7	70.3	12.7	77.2	9.8	75.2	-2.6			
Construction	138.7	150.7	8.7	172.1	14.2	184.5	7.3	196.0	6.1			
Electricity and Water Supply	57.1	62.3	9.0	68.9	10.7	79.1	14.7	82.7	4.7			
Transportation and Communications	172.8	191.4	10.8	213.7	11.6	238.8	11.8	262.8	10.1			
Trade	378.7	410.3	8.4	448.0	9.2	493.7	10.2	497.9	1.3			
Banking ,Insurance and Real Estate	148.4	182.3	22.8	210.8	15.6	227.9	8.1	233.2	4.0			
Ownership of Dwellings	66.0	69.5	5.3	73.7	6.1	78.6	6.6	84.1	7.0			
Public Administration and Defence	66.2	68.1	2.9	70.1	2.9	75.8	8.1	77.6	2.1			
Other Services	247.8	259.4	4.6	271.3	4.6	290.0	6.9	308.3	6.1			
Gross Domestic Product	2,281.2	2,481.3	8.5	2,702.1	8.9	2,941.2	8.8	3,094.9	6.0			

Source: National Economics and Social Development Board

Notes: p - provisional,

Projects receiving application approval from the Board of Investment, 1996-1999 (Jan – Oct.)

(Million baht)

Country	1996		1997		1998		1999 (Jan – Oct)	
	No. of Projects	Total Investment*	No. of Projects	Total Investment*	No. of Projects	Total Investment*	No. of Projects	Total Investment*
Total Investment	970	531,198	920	482,892	713	303,386	425	117,961
Total Foreign Investment*	519	332,593	577	333,250	551	272,528	215	63,513
Japan	254	156,894	255	163,683	192	67,960	163	25,319
USA	53	70,108	67	89,673	86	23,020	43	36,935
France	8	4,389	14	9,937	16	3,672	5	1,632
Singapore	57	47,152	53	73,150	60	12,247	40	6,599
Taiwan	66	69,630	62	12,998	77	10,608	72	7,228
Germany	20	8,155	23	14,892	27	13,160	11	1,854
United Kingdom	28	14,786	39	46,687	35	31,585	15	3,765
India	14	8,777	8	1,638	18	10,448	6	1,374
Hong Kong	12	4,169	13	1,572	20	5,946	21	1,478
Australia	8	1,436	19	5,251	15	2,944	7	1,089
Netherlands	18	23,260	14	6,519	25	88,242	14	21,668
Switzerland	9	2,630	12	1,522	13	1,839	7	541
Malaysia	24	1,989	39	5,589	28	6,136	22	2,973
Italy	3	44	8	952	5	1,220	2	96
Korea	21	22,291	20	3,965	15	2,038	16	907

Source: Board of Investment

Notes: * - the country figures may not add to the total because projects with foreign investment from more than one country are included more than once

Daily minimum wage and consumer price increases, 1986-1998

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
GDP Growth %	5.5	9.5	13.3	12.2	11.2	8.6	8.1	8.5	8.9	8.8	5.5	-0.4	1.0
Consumer Price % (Inflation)	1.9	2.5	3.8	5.4	6.0	5.7	4.1	3.3	5.1	5.8	5.9	5.6	8.1
Minimum Wage (Baht)													
The Greater Bangkok Metropolis (GBM)/Phuket (same rate as GBM, effective since January 1998)	70	73	73	78	90	100	115	125	132	145	157	157	162
Increase %	0	4.3	0	6.8	15.4	11.1	15.0	8.7	5.6	9.8	8.2	0	3.2
Ranong/Pang-nga	70	73	73	75	84	93	107	110	116	126	137	137	140
Chonburi/Saraburi/Chiang Mai/Nakhon Ratchasima	65	67	67	70	79	88	101	110	116	126	137	137	140
Other Provinces	59	61	61	65	74	82	94	102	108	118	128	128	130

Source: Bank of Thailand, Ministry of Labour and Social Welfare

Thailand's major on-going and planned infrastructure projects as of August 1999

Project	Responsible Agency	Investment Type	Estimated Cost (Million baht)	Period	Status
Road • Third Stage Expressway	Expressway and Rapid Transit	Govt.	52,167	1994-2000	• Re-routing is now under consideration
• Industrial Ring Road	Authority of Thailand Public Works Metropolitan	Govt.	16,980	1996-2000	• Seeking Cabinet's approval to acquire loans for construction
• Rama 8 th Bridge	Bangkok Metropolitan Administration	Govt.	2,600	1996-1999	Under construction
New Bangkok-Chonburi Motorway	Department of Highways	Govt.	12,754	1994-1998	Completed
• National Motorway Network	Department of Highways	Govt./Private	537,960	1997-2016	• Cabinet approved Master Plan on April 22, 1997. Bangjai-Banpon route is now under bidding process
Eastern Outer Bangkok Ring Road	Department of Highways	Govt.	12,600	1994-1999	• Completed
• Four-Lane Highways	Department of Highways	Govt.	46,300	1994-1999	Most parts of the project are completed and in operation
• Pak Kret-Bang Pa In Expressway	Expressway and Rapid Transit Authority of Thailand	Concession (BTO)	24,000	1996-1999	Partially in operation, the expected date of completion is September 1999
Mass Transit System & Rail					
• Metropolitan Rapid Transit System (Hua Lumpong-Bang Sue)	Metropolitan Rapid Transit Authority	Govt./Private	118,000	1996-2004	Under construction
• Bangkok Transit system (Tanayong)	Bangkok Metropolitan Administration	BTO	32,000	1992-1999	Near completion and will be in service in December 1999

Project	Responsible agency	Investment type	Estimated cost (Million baht)	Period	Status
<ul style="list-style-type: none"> Bangkok Elevated Road and Transport System (Hopewell) 	State Railway of Thailand	N/A	N/A	N/A	<ul style="list-style-type: none"> Hiring consultants to review the project
<ul style="list-style-type: none"> Double Track Railway 	State Railway of Thailand	Govt.	26,160	1994-2002	<ul style="list-style-type: none"> Under construction
<p>Air Transport</p> <ul style="list-style-type: none"> Bangkok International Airport Development Plan 	Airports Authority of Thailand	Govt.	12,000	1997-2000	<ul style="list-style-type: none"> In the process of designing and beginning construction
<ul style="list-style-type: none"> Second Bangkok International Airport 	New Bangkok International Airport Co., Ltd.	Govt.	68,832	1993-2003	<ul style="list-style-type: none"> Revision terminal size and runway Conducting land development
<p>Port Development</p> <ul style="list-style-type: none"> Laem Chabang Port Phase I (Terminal B5) 	Port Authority of Thailand	Concession (BOT)	N/A	1996-1998	<ul style="list-style-type: none"> Completed
<ul style="list-style-type: none"> Laem Chabang Port Phase II (Basin 2 ⇒ 6 terminals) 	Port Authority of Thailand	Concession (BOT)	11,000	1997-2001	<ul style="list-style-type: none"> Under construction
<p>Telecommunication</p> <ul style="list-style-type: none"> Project on Expansion of International Telephone Services of SPC System (ITSC4) 	Communications Authority of Thailand	Govt.	6,400	1994-2000	<ul style="list-style-type: none"> Installing 10,000 ITSC-IV circuits switches and transmission equipment. Constructing telecommunications centre building at Bangrak.
<ul style="list-style-type: none"> Fibre Optic Submarine Cable, 3rd phase (Flag, APCN) 	Communications Authority of Thailand	Govt.	3,700	1994-1997	<ul style="list-style-type: none"> Completed

Project	Responsible agency	Investment type	Estimated cost (Million baht)	Period	Status
<ul style="list-style-type: none"> Fibre optic Submarine Cable Network Development (Domestic) 	Communications Authority of Thailand	Govt.	1,700	1996-2000	<ul style="list-style-type: none"> Constructing fibre-optic network between Sriracha-Songkhla
<ul style="list-style-type: none"> Fibre optic Submarine Cable, 4th phase (SE-ME-WE 3) 	Communications Authority of Thailand	Govt.	1,998	1997-1999	<ul style="list-style-type: none"> Completed system installation. In the process of testing equipment and negotiating additional circuits.
<ul style="list-style-type: none"> Telecommunication Satellite Network Development 	Communications Authority of Thailand	Govt.	2,340	1996-2000	<ul style="list-style-type: none"> Constructing satellite station building at Ubonrachathani Installing transmission system linking telecommunications centres at Sriracha and Bangrak
<ul style="list-style-type: none"> 0.8 million Telephone Lines 	Telephone Organization of Thailand	Govt.	20,800	1996-1999	<ul style="list-style-type: none"> Completed installation of 90% of circuit switches Installing transmission equipment and optical fibre
<ul style="list-style-type: none"> Rural Long Distance Public Telephone (1992-1996) 	Telephone Organization of Thailand	Govt.	9,000	1992-1999	<ul style="list-style-type: none"> Completed
<ul style="list-style-type: none"> Rural Long Distance Public Telephones (1996-1998) 	Telephone Organization of Thailand	Govt.	16,500	1996-1999	Completed and operating 20,732 lines or 47% of target set.

Project	Responsible agency	Investment type	Estimated cost (Million baht)	Period	Status
<ul style="list-style-type: none"> • Telephone Service Development 	Telephone Organization of Thailand	Govt.	17,940	1995-1999	<ul style="list-style-type: none"> • Revising tendering documents by consultants, which should be able to select suppliers by 1999
1) TOT network expansion (1995-1998) 9,000MB				1995-1999	
2) Changing analog to Digital systems (1995-1997) 7,240MB				1995-1999	
3) Upgrade quality of services (1995-1997) 1,600MB				1995-1999	<ul style="list-style-type: none"> • Installing transmission equipment, which should be completed by 1999
<ul style="list-style-type: none"> • Expansion of Cellular Mobile Telephone Service (CDMA) in Provincial Area 	Communications Authority of Thailand	Govt.	1,200	1999-2000	<ul style="list-style-type: none"> • Seeking approval from the Cabinet

Project	Responsible agency	Investment type	Estimated cost (Million baht)	Period	Status
Energy					
• Greater Bangkok Area Transmission System	EGAT	Govt.	10,760	1995-2001	• Under construction
• Transmission System Expansion No.9	EGAT	Govt.	17,500	1994-1998	Under construction
• Yadana-Ratchaburi Gas Pipeline	Petroleum Authority of Thailand	Govt.	16,500	1996-1998	Under construction
• Trans Thailand-Malaysia Gas Pipeline And GSP (TTM)	Petroleum Authority of Thailand	Joint Venture	41,360	2000-2007	Seeking approval from the Cabinet
• Ratchaburi Power Plant	EGAT	Govt.	120,710	1996-1999	Under construction
The 8 th Power Distribution System Improvement and Expansion Plan	Metropolitan Electricity Authority	Govt.	56,120	1997-2001	Under construction
Water Supply					
• The 7 th Phase of Waterworks Improvement	Metropolitan Waterworks Authority	Govt.	25,177.3	1999-2005	In the process of detail design
• Pathumthani-Rangsit Water Supply	Provincial Waterworks Authority	J/V Govt./ Private	3,087	1994-1997	Completed
Wastewater Treatment					
• BMA Wastewater Treatment Project (Stage 1)	Bangkok Metropolitan Authority	Govt./BMA	6,382	1993-1997	Under construction
• Yannawa Wastewater Treatment Project (Stage 2)	Bangkok Metropolitan Authority	Govt./BMA	4,552	1994-1997	Under construction
• Nongkham-Ratchburana Wastewater Treatment Project (Stage 3)	Bangkok Metropolitan Authority	Govt./BMA	5,548	1995-2000	Under construction
• BMA Wastewater Treatment Project (Stage 4)	Bangkok Metropolitan Authority	Govt./BMA	4,025	1997-2000	Tendering preparation
• Wastewater Management and Pollution Control in Samut Prakarn	Pollution Control Department	Govt.	13,612	1992-2002	Under construction

Source: Infrastructure Projects Division, National Economic and Social Development Board

Macro-economic forecast for the Asian region, 1993-2000

Country	Growth Rate of GDP (percent per annum)								Per Capita GNP (US\$) 1997
	1993	1994	1995	1996	1997	1998	1999	2000	
Newly Industrialized Economics	6.4	7.6	7.4	6.3	6.0	-1.4	2.3	4.3	
Hong Kong	6.1	5.4	3.9	4.5	5.3	-5.1	0.5	2.0	25,580
Korea	5.8	8.6	8.9	7.1	5.5	-5.5	2.0	4.0	10,550
Singapore	10.4	10.5	8.8	6.9	7.8	1.5	1.0	4.0	32,940
Taipei, China	6.3	6.5	6.0	5.7	6.8	4.8	4.9	6.3	-
People's Republic of China and Mongolia	13.6	12.7	10.5	9.6	8.7	7.8	7.0	6.5	
People's Republic of China	13.6	12.7	10.5	9.6	8.7	7.8	7.0	6.5	860
Mongolia	-3.0	2.3	6.3	2.4	4.0	3.5	3.5	4.0	390
Central Asian Republics	-7.5	-11.0	-5.6	1.1	3.5	0.4	-	-	
Kazakhstan	-9.2	-12.6	-8.2	0.5	2.0	-1.5	-	-	1,340
Kyrgyz Republic	-15.5	-20.1	-5.4	7.1	9.9	1.8	-	-	440
Tajikistan	-11.0	-18.9	-12.5	-4.4	1.7	4.0	-	-	330
Uzbekistan	-2.3	-5.2	-0.9	1.7	5.2	2.8	-	-	1,010
Southeast Asia	7.1	7.8	8.2	7.1	4.0	-6.9	0.8	2.8	
Cambodia	4.1	4.0	7.6	7.0	2.0	0.0	4.0	6.0	300
Indonesia	7.3	7.5	8.2	7.8	4.9	-13.7	0.0	2.0	1,110
Lao People's Democratic Rep.	5.8	8.1	7.0	6.9	6.9	4.0	-	-	400
Malaysia	8.3	9.2	9.4	8.6	7.7	-6.2	0.7	2.7	4,680
Myanmar	6.0	7.5	6.9	6.4	4.6	4.0	3.0	4.0	-
Philippines	2.1	4.4	4.7	5.8	5.2	-0.5	2.4	4.0	1,220
Thailand	8.4	8.9	8.8	5.5	-0.4	-8.0	0.0	2.5	2,800
Viet Nam	8.1	8.8	9.5	9.3	8.2	4.0	3.7	4.5	320
South Asia	3.5	7.1	7.0	7.2	4.7	5.7	5.5	5.8	
Bangladesh	4.5	4.2	4.4	5.4	5.9	5.7	3.6	5.5	270
Bhutan	6.1	6.4	7.4	6.0	5.4	5.6	7.0	-	400
India	-	7.8	7.6	7.8	5.0	5.8	5.9	6.0	390
Maldives	6.1	6.7	7.0	6.5	6.2	6.8	6.4	6.4	1,150
Nepal	3.8	8.2	3.5	5.3	4.0	1.9	2.0	2.7	210
Pakistan	2.3	4.5	5.2	5.2	1.3	5.4	3.4	4.6	490
Sri Lanka	6.9	5.6	5.5	3.8	6.4	5.3	5.0	6.2	800

Continued

Macro-economic forecast for the Asian region, 1993-2000 (Continued)

Country	Growth Rate of GDP (percent per annum)								Per Capita GNP (US\$) 1997
	1993	1994	1995	1996	1997	1998	1999	2000	
The Pacific	12.0	4.8	-1.0	3.1	-3.4	0.1	-	-	
Cook Islands	3.9	3.9	-4.4	-0.2	-0.5	-1.0	-	-	-
Fiji	2.6	5.1	2.6	3.4	-1.8	-3.9	-	-	2,470
Kiribati	2.1	7.7	3.4	6.3	1.5	1.5	-	-	910
Marshall Islands	4.1	2.8	2.7	-15.2	-5.3	-5.0	-	-	1,770
Micronesia, Federated States	1.1	-1.8	1.6	0.7	-4.0	-3.1	-	-	-
Papua New Guinea	16.6	5.2	-3.6	3.5	-4.6	2.5	-	-	940
Samoa	6.3	-7.8	6.5	6.9	0.8	-	-	-	1,150
Solomon Islands	2.4	5.1	6.8	0.6	0.5	-10.0	-	-	900
Tonga	2.8	3.8	5.2	-1.5	-6.6	-0.3	-	-	1,830
Tuvalu	4.1	10.3	-5.0	20.4	2.5	2.0	-	-	-
Vanuatu	4.5	2.6	3.2	3.5	1.7	-2.0	-	-	1,310
Average for DMCs	8.8	8.6	8.1	7.4	6.2	2.6	4.4	5.1	

Source: Asian Development Outlook 1999