



สต็อกทุนของประเทศไทย

ฉบับ พ.ศ. ๒๕๖๕

CAPITAL STOCK OF THAILAND

2022 EDITION

สำนักงานสภาพัฒนาการเศรษฐกิจและสังคมแห่งชาติ
Office of the National Economic and Social Development Council

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EXECUTIVE SUMMARY



Executive Summary Capital Stock of Thailand in 2022

Overview

1. Gross Capital Stock

Gross capital stock at replacement cost in 2022 was 66,033.6 billion baht, an increase of 2,568.8 billion baht from 2021. The expansion was due to both private and public sectors accounted of 2,022.9 and 545.9 billion of baht, respectively. The main factor came from rising in service sector, especially in accommodation and food service activities as well as transportation and storage, according to the number of production and a recovery of tourism related sectors after the COVID-19 pandemic easing. On the other hand, the overall capital formation in 2022 was starting to slow down in the industrial sector, while only the agricultural of public sector decelerated.

2. Net Capital Stock

Net capital stock at replacement cost valued at 40,020.3 billion baht gained by 1,035.6 billion baht from 2021. After comparing to GDP at current prices, which was 17,370.2 billion baht in 2022, net capital stock at replacement cost was about 2.3 times larger than GDP.

2.1 Net Capital Stock classified by institutions

The private sector owned the majority proportion, accounting for 69.7% of total net capital stock and the remainder of only 30.3% held by the public sector.

2.2 Net Capital Stock classified by economic activities

1) **Agricultural sector:** net capital stock at replacement cost in 2022 recorded at 3,112.6 billion baht. In terms of chain volume measures, the net capital stock increased by 1.4%, the same rate as in 2021.

2) **Non-agricultural sector:** net capital stock at replacement cost in 2022 was 36,907.7 billion baht. In real terms, it increased by 0.5%, equivalent to its previous year. Precise details for the Industrial and service sectors are as follows.

- **Industrial sector:** net capital stock grew by 0.1%, a slowdown from a rise of 1.7% in 2021. Overall, there were reductions in almost all types of industrial assets except assets for manufacturing activities.

- **Service sector:** net capital stock increased by 0.7%, accelerated from 0.1% growth in 2021, according to the improvements of activities in accommodation and food services and transportation and storage. However, the capital

formation in construction, real estate and public administration were reduced due to worse figure of building construction in 2022.

Table 1 Value, Structure and Growth Rate of Gross Capital Stock and Net Capital Stock

Unit – Billion Bath

	2017	2018	2019	2020	2021	2022p
Value of Gross Capital Stock at Replacement Cost	59,100.4	61,093.3	62,175.8	61,511.7	63,464.8	66,033.6
Growth Rate of Gross Capital Stock at CVM (%)	2.0	2.9	1.4	-1.1	2.3	1.9
• Public	-2.4	1.6	-0.5	2.4	2.5	0.5
• Private	4.1	3.4	2.3	-2.6	2.2	2.5
Value of Net Capital Stock at Replacement Cost	37,081.2	38,265.9	38,816.3	38,462.5	38,984.7	40,020.3
• Public	11,043.0	11,334.3	11,322.6	11,634.2	11,913.4	12,113.9
• Private	26,038.2	26,931.6	27,493.7	26,828.3	27,071.3	27,906.4
Growth rate of Net Capital Stock at CVM (%)	2.0	3.1	1.3	-0.9	0.6	0.6
• Public	-2.8	0.7	-0.5	2.4	1.7	-0.5
• Private	4.2	4.1	2.1	-2.3	0.1	1.1

3. Capital factor sector analysis and sources of economic growth in 2022

3.1 Incremental Capital Output Ratio: ICOR

Overview

In 2022, the Thai economy improved continually after the COVID-19 pandemic eased, the positive factors were contributed by the rise in foreign tourist visiting and the increase in domestic payment. Despite all the positive factors, the gross capital formation decelerated, and this year ICOR was valued at 0.59, implying a one-unit increase in value added require 0.59 unit of additional capital. In terms of the overall situation in 12th development plan, the ICOR valued was 1.15, indicating a better capital usage than in the 11th plan which recorded 2.23. The following details presented the individual productivity as follows.

Agriculture sector: ICOR of the agriculture sector was 2.05, in order to gain a unit in GDP, the capital need 2.05 more for this to increase. The capital usage was more efficient than the previous year which registered the ICOR at 2.19 unit.

Industrial sector: In 2021, the ICOR of the manufacturing sector was -0.27 , implying the trend of change in capital stock and gross domestic product opposed each

other's. The reason for this, partly, came from the inefficient in capital usage, in line with the capital utilization rate in 2022 which recorded at 62.76 in comparison with 63.25 in 2021.

Service sector: ICOR was 0.45 which mean a 0.45 unit of capital was a requirement for an additional unit of GDP, which implied a more efficient use of capital than in 2021 that recorded at 0.62. The service sector improved following the number of tourist that rises after the end of COVID-19 pandemic.

3.2 Capital Productivity: CP

Overview

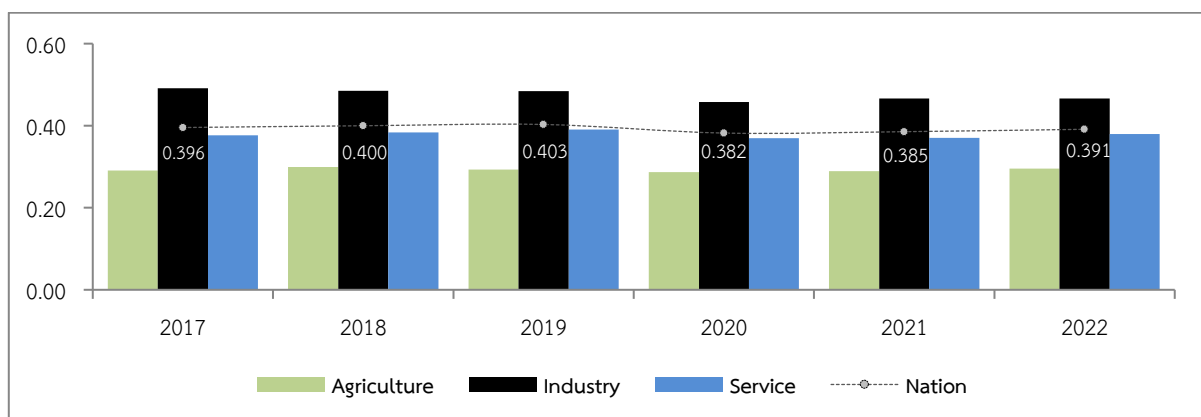
Capital productivity in 2022 was 0.39, the same rate as in 2021. It indicated that each unit of capital is used to produce 0.39 units of GDP. Capital productivity is discussed in detail below.

Agricultural sector: In 2022, capital productivity of the agricultural sector was 0.29, implying one unit of capital resulted in 0.29 units in agricultural value-added. The agriculture performed lower than national average which recorded at 0.39 and had the least efficient sector comparing to the others.

Industrial sector: Capital productivity of the industrial sector was 0.46. Based on this estimate, one unit of capital used in the industrial sector could contribute to 0.46 units of industrial value added. The industrial productivity was marginally lower than 0.47 which was capital productivity which recorded in 2021. Yet, when comparing with the national average the industrial sector outperformed other sectors.

Service sector: Capital productivity of the service sector was 0.38 , increased slightly from 0.37 figure in 2021. Compared to the national average, the capital productivity of the service sector was slightly lower than the national average.

Figure 1 Capital Productivity of Thailand, 2017-2022



3.3 Total Factor Productivity: TFP

The overall Thai economy in 2022 expanded by 2.60%, rose from 1.49% in 2021. The sources of growth were contributed by all of factors which consist of TFP by 1.62 %, capital factor by 0.37% and labor factor by 0.60%. The main proponent for this rise was due to a recovery of tourism related sector which jettison from a betterment of COVID-19 pandemic situation. TFP by the source of growth is discussed below.

Agricultural sector: In 2022, the agricultural sector grew by 2.42 %, improved minimally from 2.25% in the previous year. When considering the source of growth, the positive outcome provided by TFP 1.19% and capital factor 1.14%.

Industrial sector: The industrial sector in 2022 reduced by 0.49%, decreased from 3.65% growth in 2021. In this year, the main contributor for an unfavorable outlook was TFP which dropped by 1.11%; however, labor factor indicated a 0.59% improvement.

Service sector: In 2022, the service sector rose by 4.31%, accelerated from 0.37% growth in 2021. The positive outcome contributed from TFP 2.84%, labor factors 1.06%, and capital factor 0.42%, orderly.

Table 2 Capital factor analysis and sources of economic growth in 2022

	ICOR*	CP**	GDP Growth	Labor	Land	Capital	TFP***
Overall	0.59	0.39	2.60	0.60	0.00	0.37	1.62
● Agriculture	2.07	0.29	2.42	0.04	0.04	1.12	1.22
● Industrial	-0.27	0.46	-0.49	0.59	-	0.04	-1.11
● Services and others	0.45	0.38	4.31	1.06	-	0.42	2.84

*Incremental Capital Output Ratio: ICOR

**Capital Productivity: CP

***Total Factor Productivity: TFP

Summary of Thailand's capital stock

	2017	2018	2019	2020	2021	2022p
Growth rate of GDP (%)	4.2	4.2	2.1	-6.1	1.5	2.6
Net capital stock at replacement cost (Billion Bath)	37,081.2	38,265.9	38,816.3	38,462.5	38,984.7	40,020.3
• Public	11,043.0	11,334.3	11,322.6	11,634.2	11,913.4	12,113.9
• Private	26,038.2	26,931.6	27,493.7	26,828.3	27,071.3	27,906.4
Growth rate of Net Capital Stock at CVM (%)	2.0	3.1	1.3	-0.9	0.6	0.6
• Public	-2.8	0.7	-0.5	2.4	1.7	-0.5
• Private	4.2	4.1	2.1	-2.3	0.1	1.1
Structure of Net Capital Stock (%)						
• Public	29.8	29.6	29.2	30.2	30.6	30.3
• Private	70.2	70.4	70.8	69.8	69.4	69.7
Net Capital Stock at Replacement Cost (Billion Bath)						
• Agriculture	2,768.0	2,974.6	3,033.2	2,947.4	2,998.3	3,112.6
• Industrial	9,874.9	10,335.7	10,422.2	10,410.4	10,656.5	10,865.9
• Services and others	24,438.3	24,955.6	25,360.9	25,104.7	25,329.9	26,041.7
Growth Rate of Net Capital Stock at CVM (%)						
• Agriculture	2.3	3.1	1.0	-1.2	1.4	1.4
• Industrial	3.2	4.1	0.0	-0.2	1.7	0.1
• Services and others	1.5	2.7	1.9	-1.2	0.1	0.7
Incremental Capital Output Ratio: ICOR	1.42	1.86	1.57	0.38	1.08	0.59
Capital Productivity: CP	0.40	0.40	0.40	0.38	0.39	0.39
• Agriculture	0.29	0.30	0.29	0.29	0.29	0.29
• Industrial	0.49	0.49	0.48	0.46	0.47	0.46
• Services and others	0.38	0.38	0.39	0.37	0.37	0.38
Total Factor Productivity: TFP						
• Agriculture	2.76	3.14	-1.78	-2.32	1.10	1.22
• Industrial	0.72	-0.47	0.07	-5.03	2.34	-1.11
• Services and others	4.32	3.20	2.37	-6.17	-0.63	2.84
• Overall	2.92	1.83	1.19	-5.43	0.60	1.62

Source: National Accounts Division, Office of the National Economic and Social Development Council

CAPITAL STOCK OF THAILAND
2022 EDITION

CAPITAL STOCK OF THAILAND IN 2022

1. Overview

1.1 Gross Capital Stock

Gross capital stock at current replacement cost in 2022 was 66,033.6 billion baht, increased by 2,568.8 billion baht from 2021. The expansion is attributable to both private and public sectors, which grew 2,022.9 billion baht and 545.9 billion baht, respectively. The overall capital stock for the year displayed a slight deceleration. This was influenced by reduced government capital formation, which resulted from a decrease in investment disbursements. Part of this phenomenon can be attributed to the increased investment during the COVID-19 pandemic, which impacted the government's budget for the current year. Meanwhile, private capital formation experienced consecutive growth. This expansion can be attributed to the recovery of demand in both domestic and external markets. Additionally, improvements in tourism-related sectors, including accommodation and food services activities, played a significant role in boosting private capital formation. Furthermore, the transport and storage sectors also saw notable improvements.

1.2 Net Capital Stock

Net capital stock at replacement cost was 40,020.3 billion baht in 2022, increased from the previous year by 1,035.6 billion baht. After comparing to the 17,370.2 billion baht of GDP at current prices, the net capital stock was approximately 2.3 times the size of GDP.

Figure 1 Value of Net Capital Stock and GDP at current prices

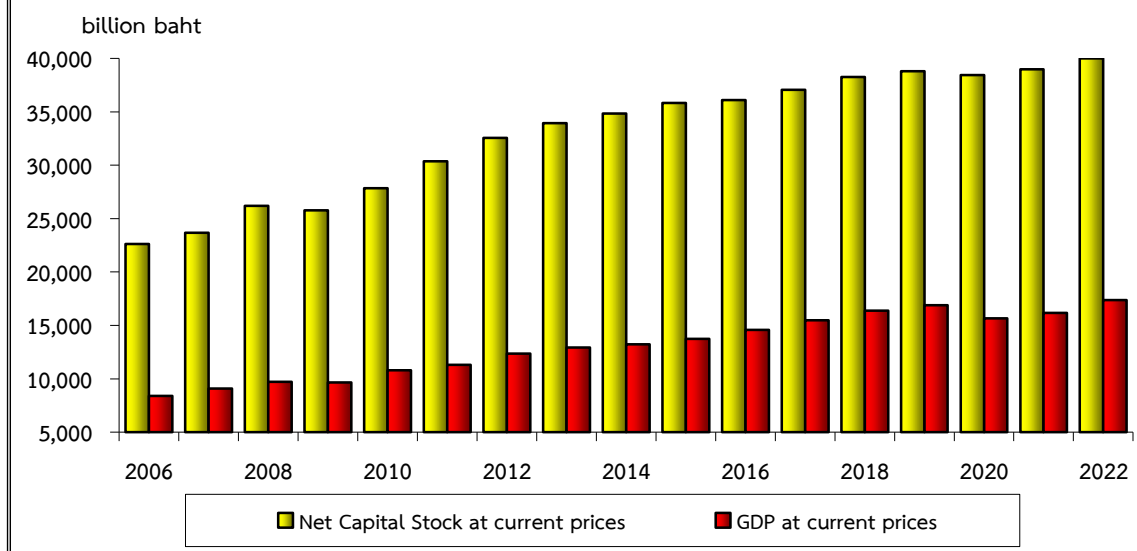
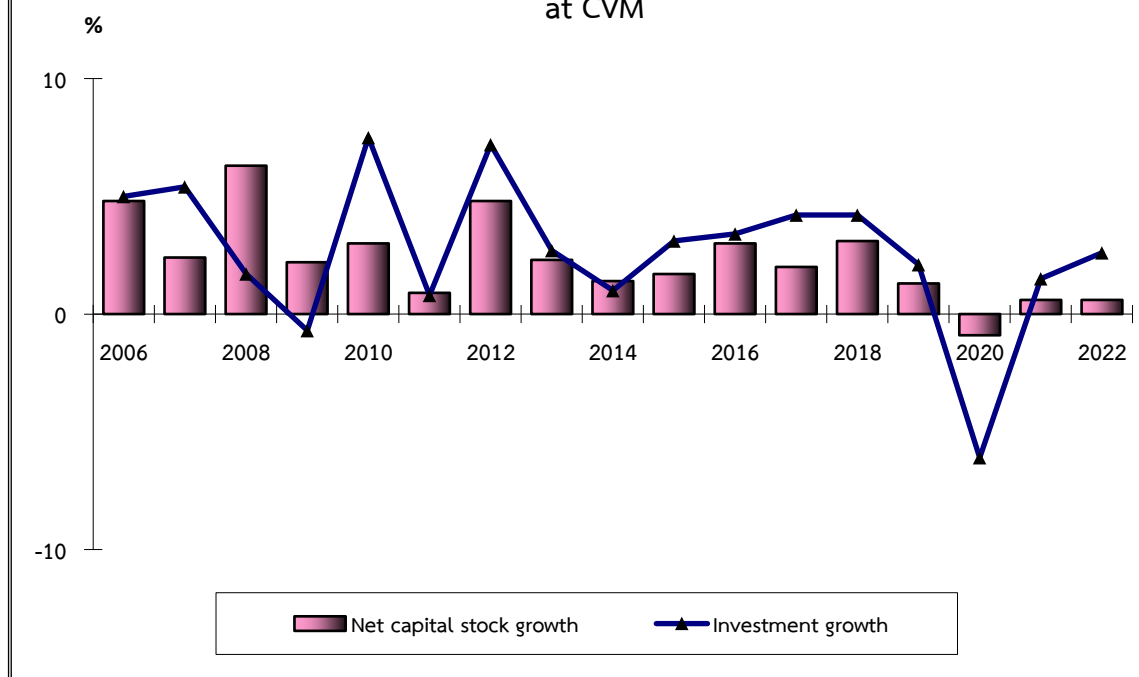


Figure 2 Growth rates of net capital stock and investment at CVM



2. Classification

The net capital stock is classified by the institutional sector and by the kind of activity.

2.1 Classified by institutional sector consists of the capital stock held by the public sector and by the private sector.

2.1.1 Public sector

Overview

Gross capital stock in the public sector in 2022 amounted to 20,189.3 billion baht at replacement cost, indicating an increase of 545.9 billion baht from the previous year. Once accounting for depreciation, the net capital stock stood at 12,113.9 billion baht. In real terms, there was a slight decline in the public net capital stock by 0.5%, following a 1.7% growth in the preceding year. This deceleration was primarily driven by a decrease in stock accumulation within sectors like real estate, construction, and electricity, gas, steam, and air conditioning supply. These changes were partially influenced by a reduced government investment budget for construction.

Structure of public sector net capital stock

The composition of the public sector's net capital stock reveals that it accounted for 30.3 % of the total net capital stock. This can be categorized by production activity as follows.

1. Agriculture: In 2022, the public sector's assets in agriculture were valued at 1,553.2 billion baht, constituting 12.8% of the total net capital stock. A significant portion of these assets was the irrigation system.

2. Industrial sector: In the same year, the public sector's assets in the industrial sector amounted to 2,505.7 billion baht, representing 20.7% of the total net capital stock. The majority of these assets were in electricity, gas, steam, and air conditioning supply, totaling 1,971.5 billion baht.

3. Service sector: In 2021, the public sector's assets in the service sector reached 8,055.1 billion baht, accounting for 66.5% of the total net capital stock. Predominantly, these assets were allocated to transportation and storage, amounting to 3,980.1 billion baht. This allocation aligned with infrastructure investments such as roads, railways, and airports.

2.1.2 Private sector

Overview

In 2022, the total value of gross capital stock incorporated by the private sector at its current replacement cost amounted to 45,844.3 billion baht, marking an increase of 2,022.9 billion baht from the previous year. After accounting for depreciation, the net capital stock stood at 27,906.4 billion baht. In real terms, this represented a growth of 1.1%, a notable acceleration from the 0.1% growth observed in the preceding year.

Structure of private sector net capital stock

Net capital stock held by the private sector at its current replacement cost comprised 69.7% of the total net capital stock. This net capital stock can be categorized based on the type of production activities as follows.

1. Agriculture sector: In 2022, the private sector's net capital stock at replacement cost amounted to 1,559.4 billion baht, encompassing 5.6% of the total private net capital stock. Predominantly, this consisted of assets such as agricultural machinery and livestock breeders.

2. Industrial sector: At the current replacement cost, the private sector held assets valued at 8,360.3 billion baht, accounting for 30.0% of the total private net capital stock. Manufacturing was the dominant activity, with assets valued at 6,792.1 billion baht.

3. Service sector: The private sector largely dominated the net capital stock in the service sector, which was valued at 17,986.7 billion baht, constituting 64.5% of the entire private net capital stock. The most substantial assets were in real estate, amounting to 6,897.9 billion baht, followed by transportation and storage, and wholesale and retail trade, which registered values of 3,452.3 billion baht and 2,705.8 billion baht, respectively.

Table 1 Value, Structure and Growth Rate of Net Capital Stock at Replacement Cost

Unit – Billion Baht

	2017	2018r	2019	2020	2021	2022
Value of Gross Capital Stock at Current Replacement Cost	59,100.4	61,093.3	62,175.8	61,511.7	63,464.8	66,033.6
Growth Rate of Gross Capital Stock at CVM (%)	2.0	2.9	1.4	-1.1	2.3	1.9
Public	-2.4	1.6	-0.5	2.4	2.5	0.5
Private	4.1	3.4	2.3	-2.6	2.2	2.5
Value of Net Capital Stock at Current Replacement Cost	37,081.2	38,265.9	38,816.3	38,462.5	38,984.7	40,020.3
Public	11,043.0	11,334.3	11,322.6	11,634.2	11,913.4	12,113.9
Private	26,038.2	26,931.6	27,493.7	26,828.3	27,071.3	27,906.4
Structure of Net Capital Stock at replacement cost (%)	100.0	100.0	100.0	100.0	100.0	100.0
Public	29.8	29.6	29.2	30.2	30.6	30.3
Private	70.2	70.4	70.8	69.8	69.4	69.7
Growth Rate of Net Capital Stock at CVM (%)	2.0	3.1	1.3	-0.9	0.6	0.6
Public	-2.8	0.7	-0.5	2.4	1.7	-0.5
Private	4.2	4.1	2.1	-2.3	0.1	1.1

Figure 3 Value and Growth Rate of Public Sector Net Capital Stock

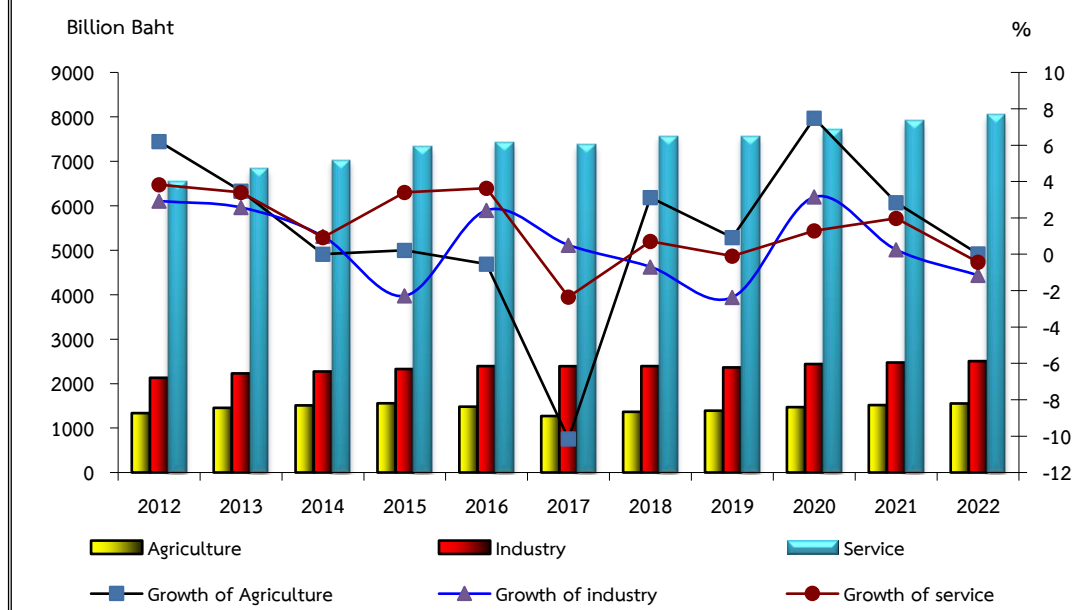
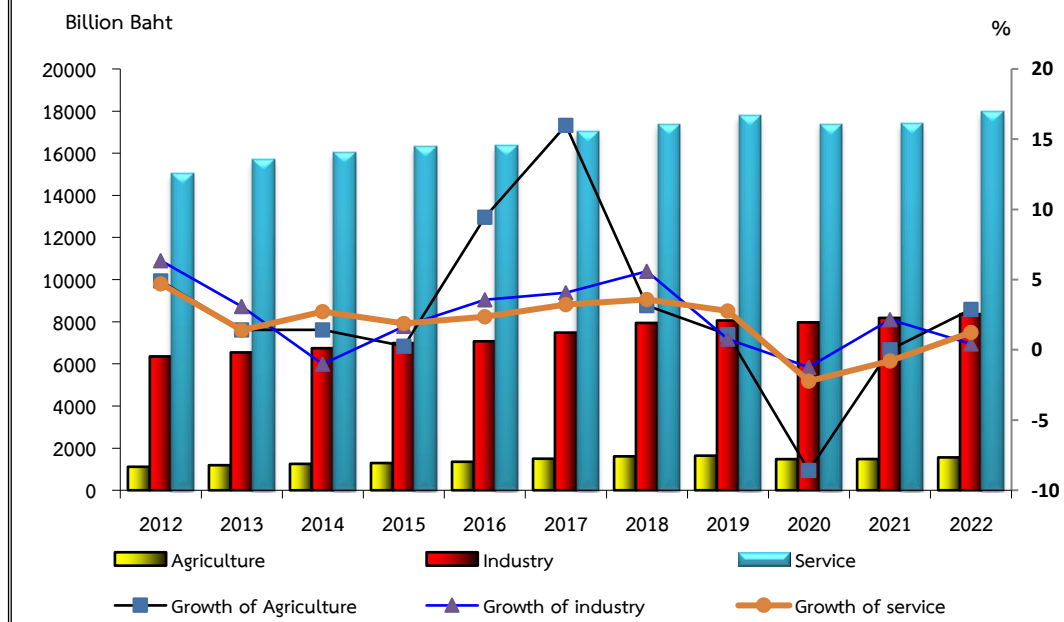


Figure 4 Value and Growth Rate of Private Sector Net Capital Stock



2.2 Classified by the kind of activity

2.2.1 Capital stock by the kind of activity

Gross capital stock at current replacement cost in 2022 amounted to 66,033.6 billion baht. When examining this capital stock by different economic activities, the breakdown reveals that transport and storage stood out as the sector with the highest capital stock value, totaling 12,264.0 billion baht. Following by the manufacturing sector recorded a capital stock of 11,901.4 billion baht, while real estate activities held a value of 11,796.9 billion baht. Additionally, other sectors also made notable contributions, including agriculture, forestry, and fishing (5,235.9 billion baht), electricity, gas, steam, and air conditioning supply (5,163.0 billion baht), wholesale and retail trade; repair of motor vehicles and motorcycles (4,869.4 billion baht), human health and social work activities (2,727.7 billion baht), construction (2,058.9 billion baht), accommodation and food services activities (1,931.2 billion baht), information and communication (1,498.8 billion baht), other services activities (1,430.5 billion baht), education (1,374.4 billion baht), public administration and defense; compulsory social security (1,196.6 billion baht), mining and quarrying (985.5 billion baht), financial and insurance activities (959.5 billion baht), water supply; sewerage, waste management, and remediation activities (510.3 billion baht), administrative and support services (53.8 billion baht), arts, entertainment, and recreation (39.0 billion baht), and professional, scientific, and technical activities (36.8 billion baht).

In real terms, the gross capital stock for the year 2022 showed an increase of 1.9%, which marked a deceleration from the 2.3% growth in 2021. This year's slowdown was notably influenced by the performance of specific sectors. Manufacturing, for instance, experienced a growth rate of 3.1%, significantly lower than the 6.5% rise in the preceding year. Similarly, human health and social works exhibited a rise of 1.1%, a decline from the 4.5% growth in the prior year. However, accommodation and food service activities, along with transport and storage, demonstrated signs of improvement with growth rates of 6.2% and 4.2%, respectively, improving from a decline of 5.9% and an increase of 0.3% in the previous year. On the flip side, the sectors that declined in 2022 included water supply, sewerage, waste management, and remediation activities, construction, and public administration and defense exhibited a reduction of 1.4%, 0.7%, and 0.2%, respectively.

2.2.2 Net capital stock by the kind of activity

In terms of net capital stock, the total value at the current replacement cost for the year 2022 stood at 40,020.3 billion baht. The sector that exhibited the highest growth was real estate activities, with a total value of 7,570.9 billion baht, followed by transport and storage at 7,432.4 billion baht. Meanwhile, professional, scientific, and technical activities had the smallest value, coming in at just 21.0 billion baht.

When examining net capital stock in real terms (CVMs), it saw a growth rate of 0.6%, mirroring the rate observed in 2021. The contributors to this positive trend included the transport and storage sector, which posted a growth rate of 2.7%, and accommodation and food service activities with a 3.8% growth; this marked an improvement from the previous year when these sectors experienced declines of 0.9% and 2.1%, respectively. Conversely, sectors such as manufacturing and human health and social works saw a deceleration in growth, both registering a 0.3% increase, down from 2.8% and 2.0%, respectively. Nonetheless, the sectors experienced a reduction in 2022, were including electricity, gas, steam, and air conditioning supply, water supply, sewerage, waste management, remediation activities, and construction.

Figure 5 Structure of Net Capital Stock in 2022

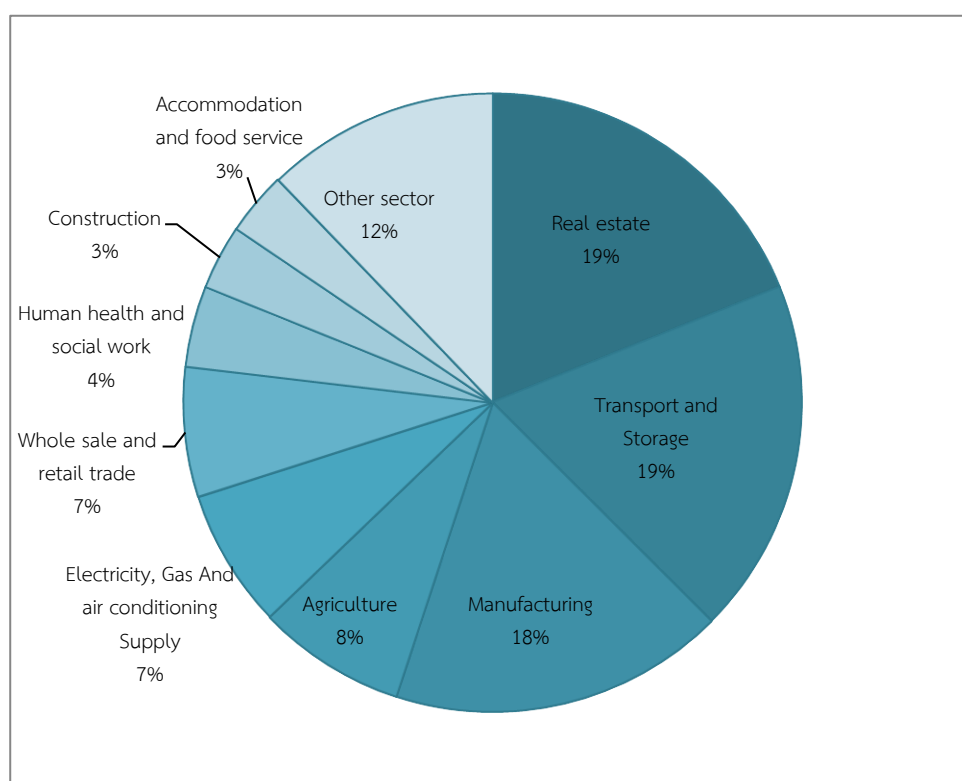
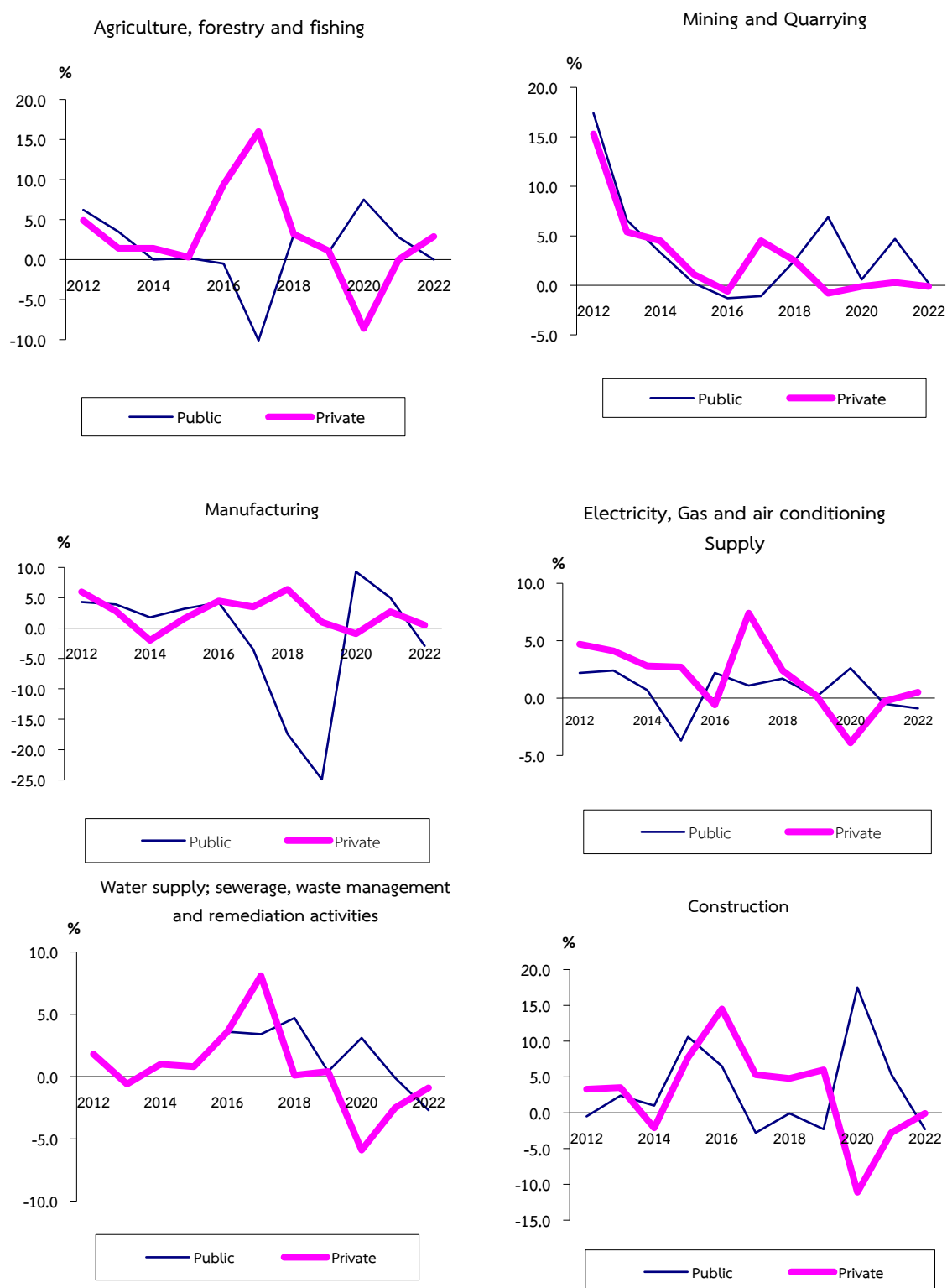


Table 2 Value of Net Capital Stock at Replacement Cost by Economic Activities

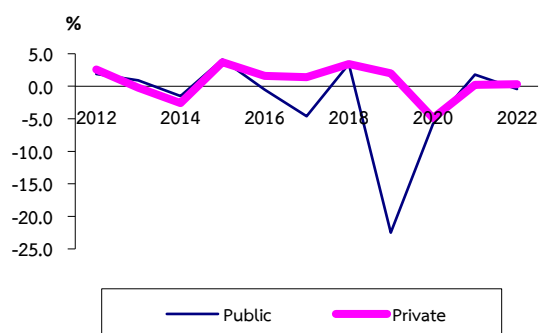
Unit – Billion Baht

Sectors	2017	2018r	2019	2020	2021	2022
Agriculture, forestry and fishing	2,833.0	2,768.0	3,033.2	2,947.4	2,998.3	3,112.6
Mining and Quarrying	541.3	582.9	656.1	659.3	667.3	674.4
Manufacturing	6,032.8	6,342.9	6,698.5	6,668.6	6,882.7	7,023.2
Electricity, Gas and air conditioning Supply	2,659.8	2,699.3	2,800.7	2,811.6	2,834.6	2,895.9
Water supply; sewerage, waste management and remediation activities	231.9	249.8	266.9	270.9	271.9	272.5
Construction	1,171.8	1,196.1	1,305.2	1,321.7	1,350.6	1,355.7
Wholesale and Retail Trade; Repair of Motor Vehicles, Motorcycles	2,429.2	2,586.0	2,710.9	2,626.2	2,665.5	2,723.1
Transport and Storage	6,624.1	7,108.1	7,273.1	7,127.0	7,065.6	7,432.4
Accommodation and food service activities	1,264.7	1,235.3	1,403.7	1,267.1	1,248.4	1,329.7
Information and communication	691.9	729.8	752.8	782.6	795.3	818.0
Financial and insurance activities	441.5	481.0	512.0	530.3	541.7	561.2
Real estate activities	7,572.0	7,346.2	7,347.5	7,356.0	7,487.5	7,570.9
Professional, scientific and technical activities	19.3	19.2	20.8	20.3	20.4	21.0
Administrative and support service activities	28.1	30.0	32.7	30.0	30.2	30.8
Public administration and defense; compulsory social security	537.2	584.2	615.2	630.0	646.3	655.8
Education	725.2	765.6	863.3	873.4	881.2	897.1
Human health and social work activities	1,428.5	1,469.7	1,542.1	1,608.2	1,658.6	1,690.4
Arts, entertainment and recreation	22.2	21.8	25.0	23.5	23.6	24.2
Other service activities	847.8	865.4	956.6	908.7	915.0	931.4
Total	36,102.4	37,081.2	38,816.3	38,462.5	38,984.7	40,020.3

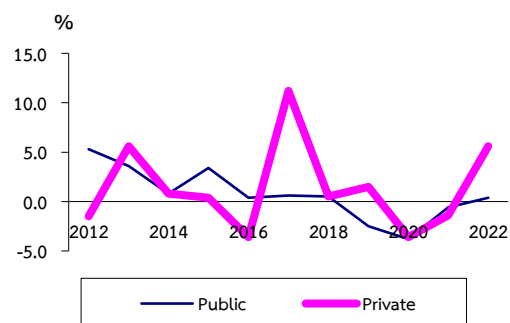
Figure 6 Growth Rate of Net Capital Stock by the Kind of Activity and Institutional Sector



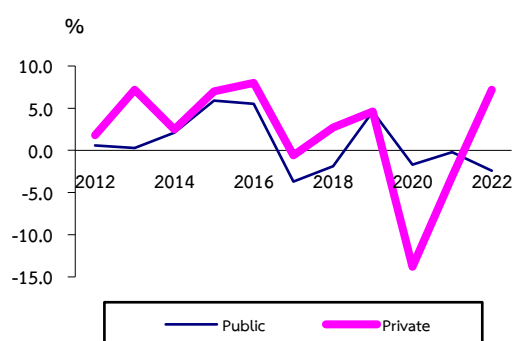
Wholesale and Retail Trade; Repair of
Motor Vehicles, Motorcycles



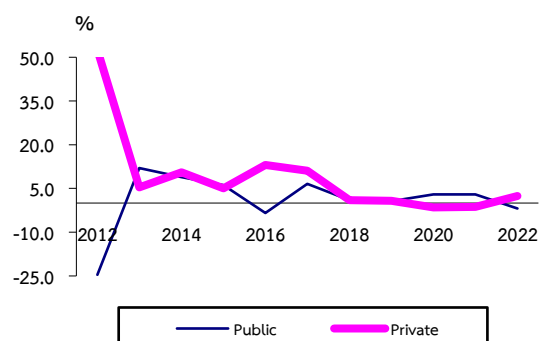
Transportation and storage



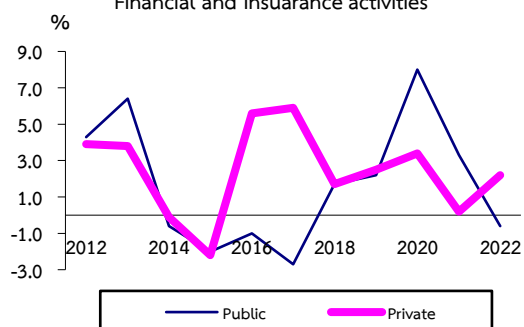
Accommodation and food service activities



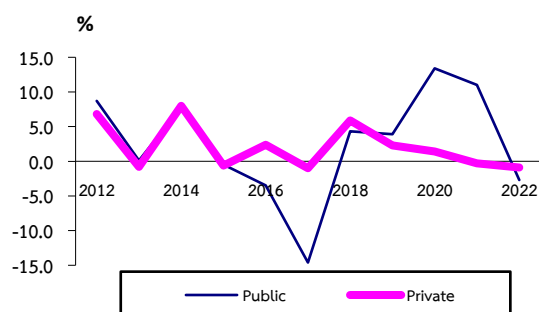
Information and communication



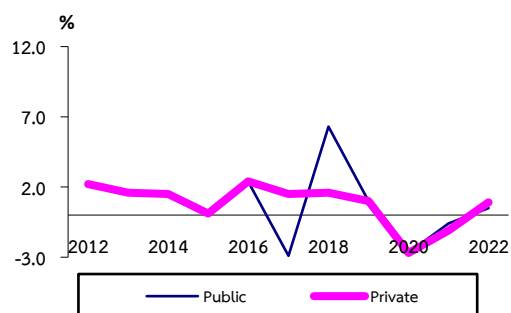
Financial and insurance activities



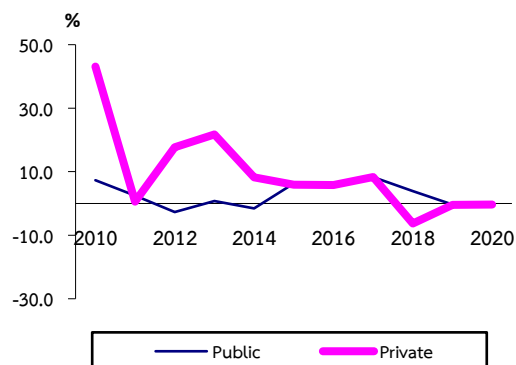
Real estate activities

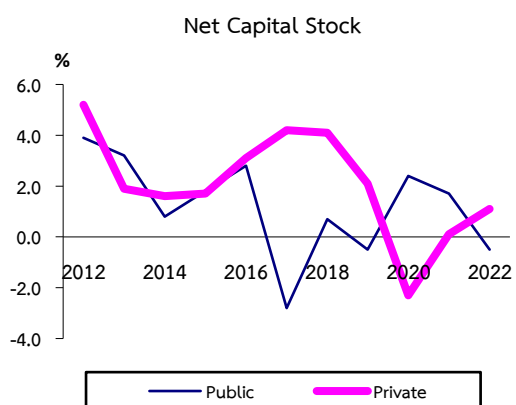
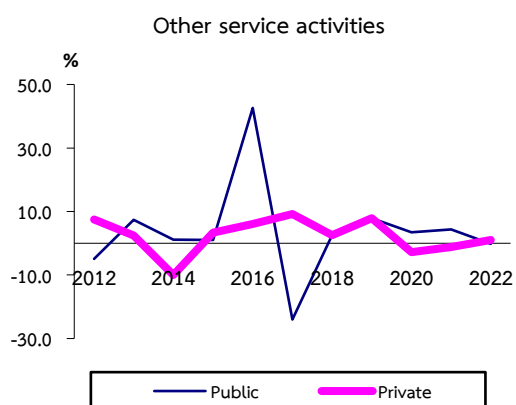
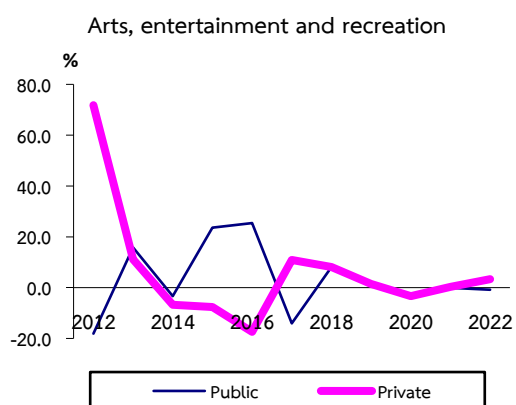
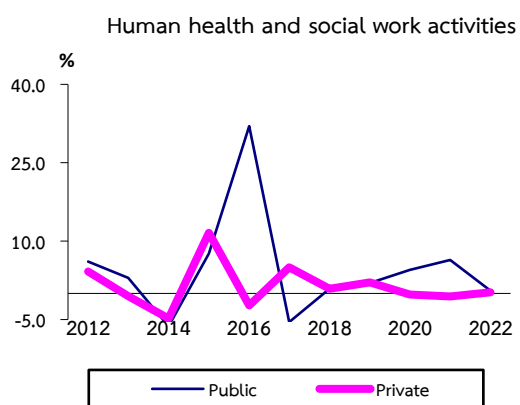
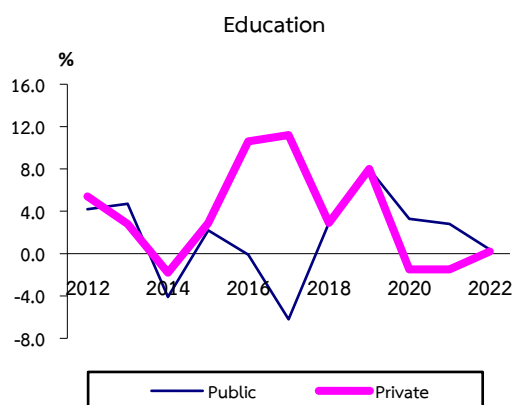
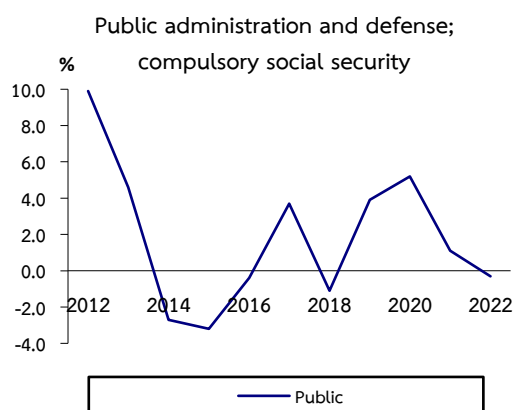


Professional, scientific and technical
activities



Administrative and support services

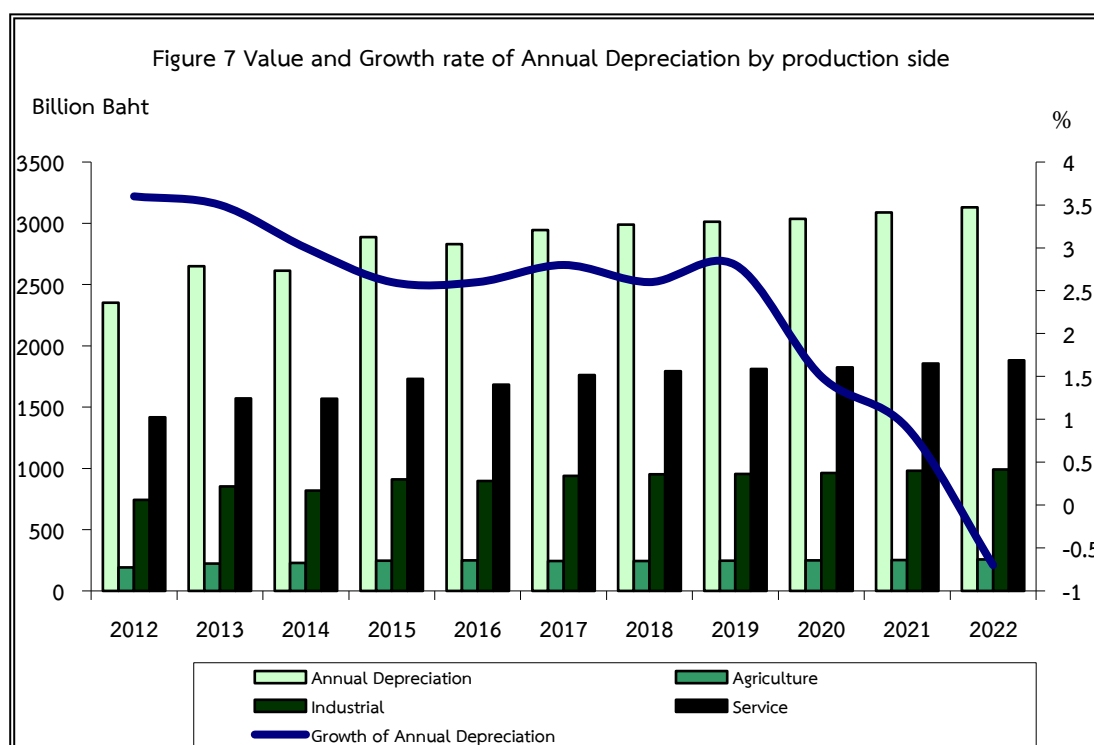




3. Depreciation

Overview

Annual depreciation at current replacement cost was 3,130.0 billion baht, which accounted for 4.7% of gross capital stock at replacement cost. In term of CVM, the depreciation reduced by 0.7%, comparing to 0.9% growth in 2021. This negative outlook could be seen in major sectors, such as Agriculture, forestry and fishing, Manufacturing, Accommodation and food service activities, Transport and Storage, and real estate activities. The sector with the highest depreciation was transport and storage with a value of 583.8 billion baht, representing 18.7% of its overall depreciation. The following sectors which held a large majority of depreciation were manufacturing recording a value at 565.6 billion baht; electricity, gas, steam and air conditioning supply at 341.3 billion baht; and real estate activities at 321.6 billion baht, which accounted for 18.1%, 10.9%, and 10.3% of total depreciation, consequently. The least contributors for overall depreciation in this year were administrative and support service activities with a registering value of 4.5 billion baht, arts, entertainment and recreation with a value of 2.4 billion baht, and professional, scientific and technical activities with a value of 2.4 billion baht where all three sectors held just about 0.1% of total depreciation.



4. Capital Factor Analysis

4.1 Incremental Capital Output Ratio: ICOR

Overview

In 2022, Thailand's economy showed consistent improvement following the easing of the COVID-19 pandemic restrictions. This progress was notably driven by a surge in tourist arrivals and increased domestic consumption. However, there was a slowdown in overall investment. The ICOR for the year was 0.59, indicating that a one-unit increase in GDP was associated with a 0.59-unit increase in capital. When we consider the performance across the 12th economic plan, the ICOR value was 1.15, indicating more efficient capital utilization compared to the 11th plan, which recorded a value of 2.23.

ICOR by the kind of activity

Considering three major sectors, individual productivity was presented in the following details.

Agriculture sector: In 2022, ICOR was 2.05. It showed a better performance of capital usage than in the previous year which had a value of 2.19 units. Considering the ICOR of the 12th development plan, ICOR had an approximate value of 0.95, showing higher efficiency compared to the eleventh plan with an ICOR of -0.08.

Industrial sector: The ICOR for the industrial sector in 2022 was -0.27, signaling an inefficient allocation of capital, as capital growth and gross domestic product moved in opposing directions. This result was consistent with the declining capital utilization rate, dropping from 63.25% in 2021 to 62.76% in 2022. Looking back to the eighth development plan, the 12th plan's ICOR stood at 1.05, demonstrating better performance than the 11th and 9th plans, which recorded -0.59 and 1.73, respectively. However, the 8th and 10th plans still exhibited higher capital use with ICOR values of 0.03 and 0.35, respectively.

Service sector: ICOR of the service sector in 2022 was 0.45, more efficient than in 2021 with the value of 0.62. The sector had been improving following the rise in tourist visitors after the COVID 19 pandemic had been relief. After considering the development plan from the 8th to 12th, the current plan exhibited the most efficient use of capital with an ICOR of 0.89.

Table 3 Incremental Capital Output Ratio (ICOR)

	2017	2018	2019	2020	2021	2022
Agriculture	1.88	1.77	-3.41	1.24	2.19	2.05
Non-Agriculture	1.37	1.88	1.37	0.34	0.98	0.45
• Industrial	3.25	2.86	-0.65	0.09	1.02	-0.27
• Service	0.96	1.54	1.32	0.46	0.62	0.45
Total	1.42	1.86	1.57	0.38	1.08	0.59

Table 4 ICOR by National Economic and Social Plan

	8 th Plan	9 th Plan	10 th Plan	11 th Plan	12 th Plan
Agriculture	4.07	-21.28	-10.29	-0.08	0.95
Non-Agriculture	-1.43	1.50	2.46	1.93	1.07
• Industrial	0.03	1.73	0.35	-0.59	1.05
• Service	-1.41	1.25	10.30	1.86	0.89
Total	-1.05	1.64	1.18	2.23	1.15

4.2 Capital Productivity: CP

Overview

CP in 2022 was 0.39, the same rate as in 2021. The value represented one unit of capital investment can create 0.39 units of GDP. Over the last five development plans, CP continuously exhibited an upward trend. As mentioned, capital productivity increased from 0.31 in the eighth plan to 0.37 in the 9th and 10th plan and 0.39 in the twelfth plan.

CP by the kind of activity

Agriculture sector: In 2022, the CP of the agricultural sector was 0.29. After comparing capital productivity to the national average with the value of 0.39 units, the agricultural sector had shown less efficiency in capital usage than other sectors. After considering back to the eighth development plan, the CP had continuously fallen from 0.48 units in the eighth plan to 0.29 units in the twelfth plan.

Industrial sector: CP of the industrial sector in 2022 was 0.46 , a slight decrease from 0.47 units in 2021. After comparing it to the national average, the industrial sector outperformed other sectors regarding capital efficiency. After adjusting with capacity utilization to represent the actual capital productivity, it was found that CP attained 0.74, equal to the prior year. After considering each national development plan, the CP of the industrial sector has fallen since the tenth plan, in which the CP of each plan was 0.51, 0.50, and 0.47, orderly.

Service sector: CP was 0.38, increasing from 2021 with 0.37 as the value. The figure for this year had capital productivity lower than the national average. Besides, the CP of the service sector continued on the upward trend from 0.25 in the eighth development plan to 0.38 in the twelfth plan.

Table 5 Capital Productivity (CP)

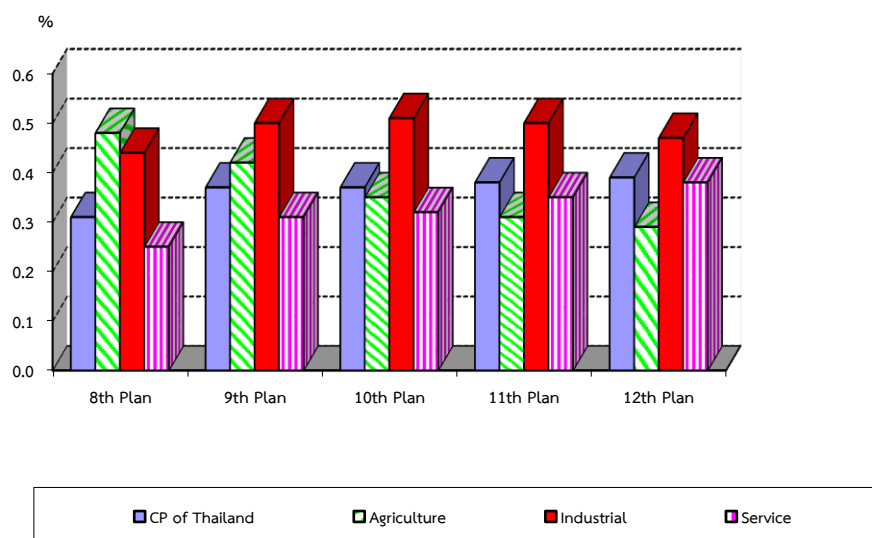
	2017	2018	2019	2020	2020	2021
Agriculture	0.29	0.30	0.29	0.29	0.29	0.29
Non-Agriculture	0.41	0.41	0.42	0.39	0.40	0.41
● Industrial	0.49	0.49	0.48	0.46	0.47	0.46
CAP U Adjusted*	0.72	0.71	0.74	0.76	0.74	0.74
● Service	0.38	0.38	0.39	0.37	0.37	0.38
Total	0.40	0.40	0.40	0.38	0.39	0.39
CAP U Adjusted*	0.43	0.44	0.44	0.43	0.43	0.44

*CAP U : Capital Utilizations

Table 6 CP by National Economic and Social development Plan

	Agriculture	Industrial	Service	Total
8 th Plan (1997 - 2001)	0.48	0.44	0.25	0.31
9 th Plan (2002 - 2006)	0.42	0.50	0.31	0.37
10 th Plan (2007 - 2011)	0.35	0.51	0.32	0.37
11 th Plan (2012 - 2016)	0.31	0.50	0.35	0.38
12 th Plan (2017 - 2020)	0.29	0.47	0.38	0.39

Figure 8 Capital Productivity



4.3 Total Factor Productivity: TFP

TFP is defined as the portion of GDP growth that was not caused by a partial increase in any single factor of production (labor, land, and capital). It would specifically refer to technological and administrative improvement, which accounted for an increase in output, typically measured as residuals.

Overview

In 2022, the Thai economy increased by 2.60%, up from 1.49% in the preceding year, 2021. This upswing was influenced by Total Factor Productivity (TFP) at 1.62 %, capital factor at 0.37%, and labor factor at 0.60%. The positive outcome of the year was particularly attributable to the resurgence of service sectors, largely driven by the gradual recovery of tourism-related industries following the easing of COVID-19 pandemic restrictions.

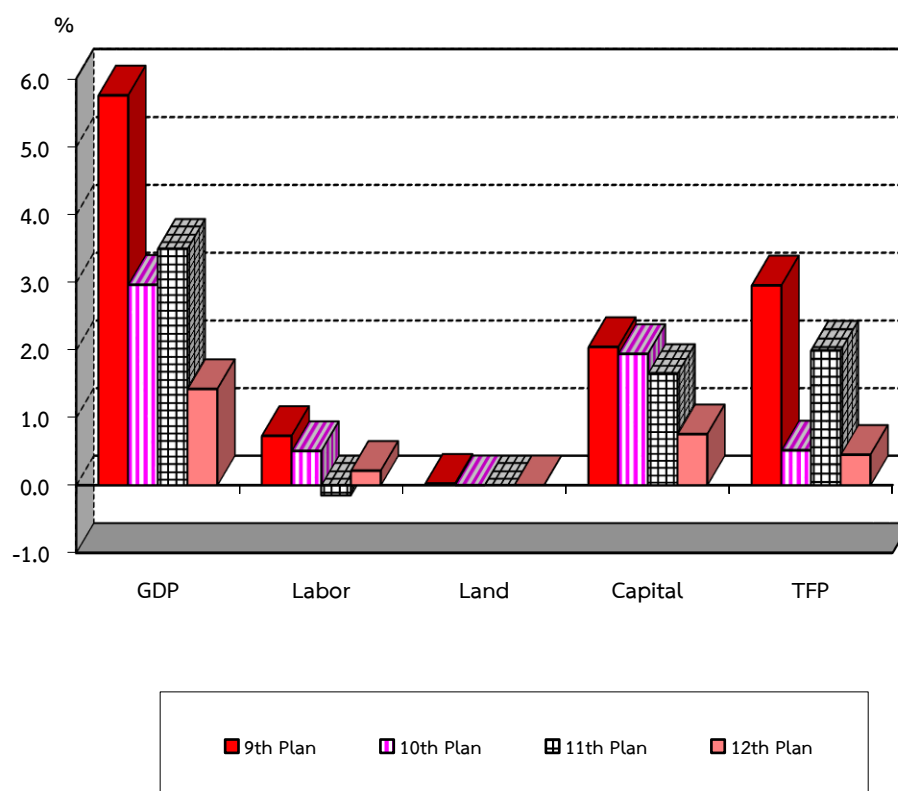
When considering the average growth of the twelfth plan, the Thai economy had an average growth of 1.42%. The primary source contributing to this growth was the capital factor which accounted for 0.76 % and TFP stayed at 0.45 %, while the labor factor contributed 0.22 %. Compared to the previous plans, the twelfth plan showed an inferior result compared to the eleventh plan, in which the average growth and TFP were equal to 3.50% and 1.99%, respectively. However, the plan with the highest growth was the ninth development plan, of which the economic growth increased by 5.76% and TFP by 2.96%.

Table 7 Growth Rate of GDP and Sources of Growth

Unit – %

	9 th Plan	10 th Plan	11 th Plan	12 th Plan	12 th Plan					
					2017	2018	2019	2020	2021	2022
GDP Growth	5.76	2.96	3.50	1.42	4.18	4.22	2.11	-6.07	1.49	2.60
Sources of Growth										
Labor	0.73	0.51	-0.15	0.22	-0.22	0.37	0.07	-0.03	0.50	0.60
Land	0.02	0.00	0.00	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
Capital	2.05	1.94	1.65	0.76	1.49	2.02	0.86	-0.60	0.39	0.37
TFP	2.96	0.52	1.99	0.45	2.92	1.83	1.19	-5.43	0.60	1.62

Figure 9 Sources of GDP Growth



TFP by the kind of activity

Agriculture

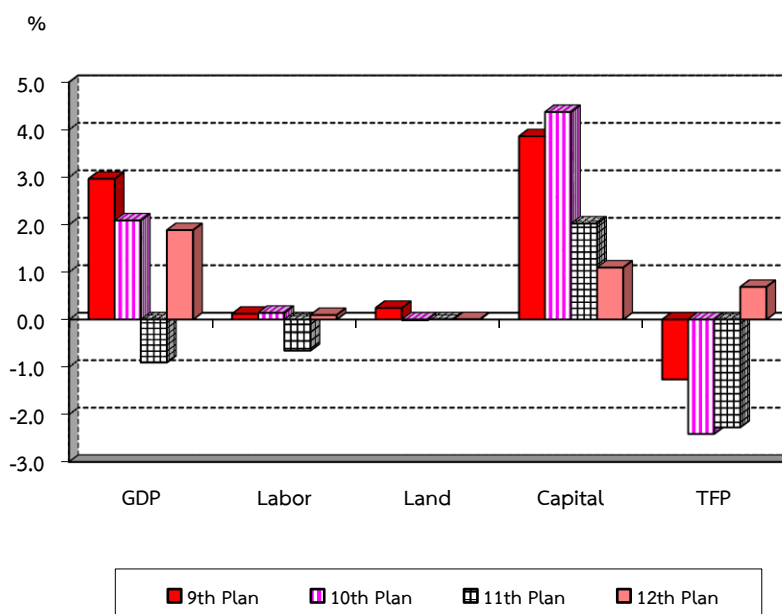
In 2022, the agricultural sector grew by 2.42%, improving from a rise of 2.25% in 2021. When considering sources of growth, the factors that provided positive effects were capital (1.12%), labor (0.04%), and TFP (1.22%). For the twelfth development plan, the agriculture sector increased by 1.88%, contributed by the capital factor by 1.09%, TFP by 0.69%, and labor factor by 0.09%. From the perspective of the past economic and social development plan, the twelfth plan represented the highest TFP contributor. However, GDP showed the highest growth during the ninth development plan, recording a growth of 2.96%, supported mainly by the capital factor.

Table 8 Growth Rate of GDP and Sources of Growth in Agricultural Sector

Unit – %

	9 th Plan	10 th Plan	11 th Plan	12 th Plan	12 th Plan					
					2017	2018	2019	2020	2021	2022
GDP Growth	2.96	2.09	-0.91	1.88	4.85	6.10	-0.98	-3.34	2.25	2.42
Sources of Growth										
Labor	0.12	0.14	-0.66	0.09	0.05	0.49	0.01	-0.06	0.04	0.04
Land	0.24	-0.01	0.00	0.01	-0.00	-0.00	0.00	0.00	0.00	0.04
Capital	3.86	4.37	2.02	1.09	2.04	2.47	0.78	-0.95	1.11	1.12
TFP	-1.26	-2.41	-2.27	0.69	2.76	3.14	-1.78	-2.32	1.10	1.22

Figure 10 Sources of GDP Growth in Agricultural sector



Industrial

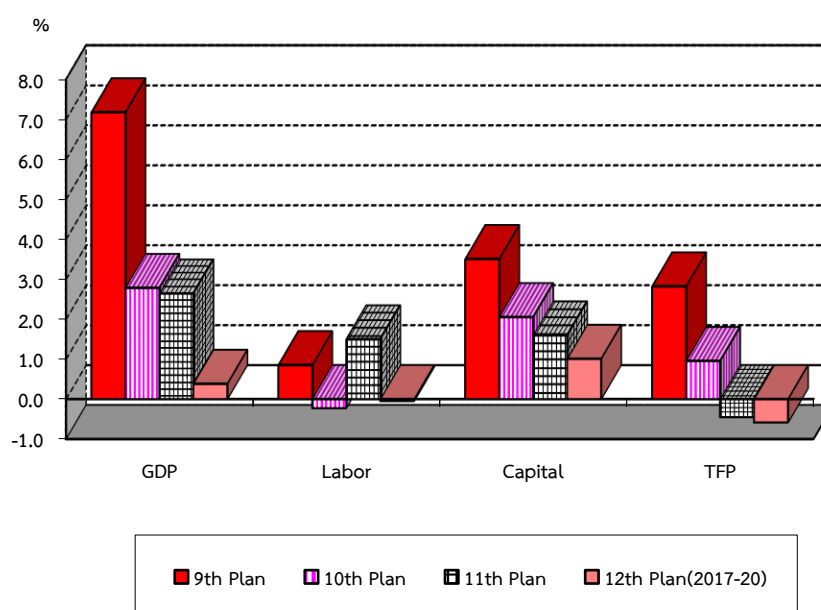
In 2022, the industrial sector decreased by 0.49%, compared to an increase of 3.65% in 2021. Regarding the sources of growth, the main negative factor was contributed by TFP which reduced by 1.11%. Contrarily, the labor and capital factors demonstrated a positive figure of 0.59% and 0.04%, respectively. In the perspective of the twelfth development plan, the industrial sector increased by 0.38%, contributed mainly by a 1.01% rise in the capital factor. In contrast, TFP and labor factor decreased by 0.58% and 0.04%, consecutively. Considering GDP growth and TFP from the ninth development plan to the twelfth plan, they have continuously declined since the ninth plan, in which GDP was recorded at 7.18%, 2.78%, and 2.64% from 9th to 11th plan, orderly.

Table 9 Growth Rate of GDP and Sources of Growth in Industrial Sector

Unit – %

	9 th Plan	10 th Plan	11 th Plan	12 th Plan	12 th Plan					
					2017	2018	2019	2020	2021	2022
GDP Growth	7.18	2.78	2.64	0.38	2.13	2.90	-0.13	-5.78	3.65	-0.49
Sources of Growth										
Labor	0.85	-0.22	1.50	-0.04	-0.88	0.65	-0.22	-0.59	0.19	0.59
Capital	3.50	2.05	1.59	1.01	2.29	2.73	0.03	-0.16	1.12	0.04
TFP	2.82	0.95	-0.45	-0.58	0.72	-0.47	0.07	-5.03	2.34	-1.11

Figure 11 Sources of GDP Growth in Industrial sector



Service

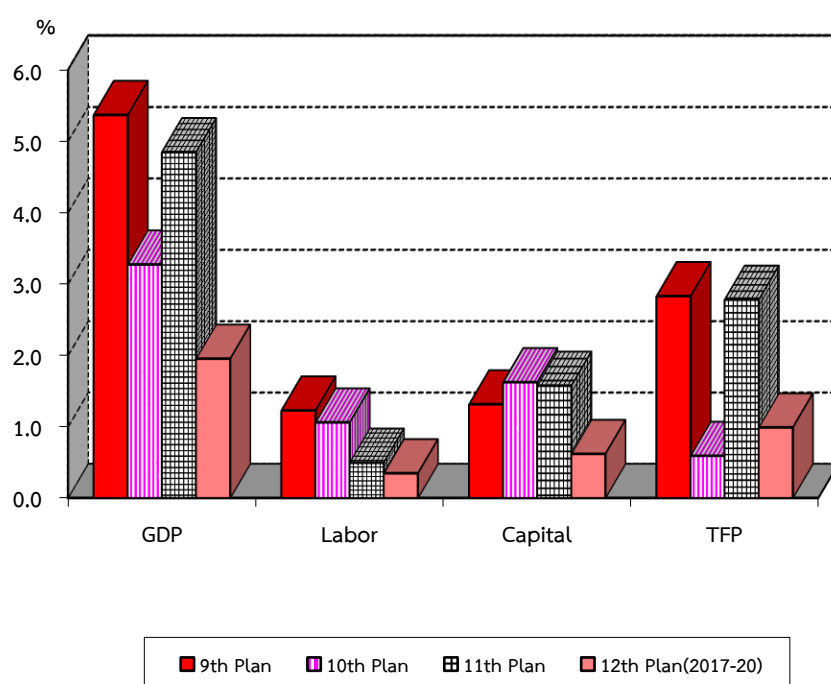
The service sector increased by 4.31% in 2022, accelerating from a growth of 0.37% in 2021. Considering sources of growth, the main factor influencing the positive growth was TFP by 2.84%, labor factor by 1.06%, and the capital factor by 0.42%. Considering the average growth of the twelfth plan, it grew by 1.95%, mainly supported by 0.99% of TFP, 0.62% of capital factor, and 0.35% by labor factor. Regarding GDP growth and TFP over the four consecutive development plans, the highest growth in the service sector happened in the ninth plan, which expanded by 5.37%, and TFP by 2.83%.

Table 10 Growth Rate of GDP and Sources of Growth in Service Sector

Unit – %

	9 th Plan	10 th Plan	11 th Plan	12 th Plan	12 th Plan					
					2017	2018	2019	2020	2021	2022
GDP Growth	5.37	3.27	4.84	1.95	5.24	4.68	3.75	-6.65	0.37	4.31
Sources of Growth										
Labor	1.23	1.06	0.49	0.35	-0.19	-0.20	0.21	0.24	0.96	1.06
Capital	1.31	1.62	1.57	0.62	1.12	1.68	1.17	-0.72	0.04	0.42
TFP	2.83	0.59	2.78	0.99	4.32	3.20	2.37	-6.17	-0.63	2.84

Figure 12 Sources of Growth in Service sector



ANNEX



Concept, definitions, and methodology of Capital Stock of Thailand

1. Definition

- **Capital** is the assets used as factors of production of goods and services, usually consisting of fixed and financial assets. However, it refers here to only fixed assets, defined as tangible assets produced within an economy that can be used repeatedly for more than one year. Newly produced assets can also replace them. Fixed assets consist of construction and equipment.

- **Gross Capital Stock (GCS)** is the sum of fixed assets **accumulated** over each asset's life as they are usually disposed of after a certain period of time when they can no longer provide the production service. GCS is generally measured at one point in time, specifically at the end of the year.

- **Net Capital Stock (NCS)** is the value of fixed assets after deducting depreciation.

- **Private Sector Capital Stock** consists of capital stocks owned by the private sector, covering both registered and non-registered ones, as well as fixed assets acquired by households and non-profit institutions. For the household sector, housing is the only asset considered as capital stock.

- **Public Sector Capital Stock** is all capital stock owned by the public sector, which consists of the central government, local municipalities, state-owned enterprises, all kinds of funds operated and controlled by the government, and independent agencies.

- **Depreciation** refers to the depletion of fixed assets. As fixed **assets** are used repeatedly in production, they become less productive, worn off, and downgraded as new technology emerges. Thus, depreciation should be deducted from fixed assets each year, by how much depending on the type of assets and their working life.

- **Service lifetime** is a period of time a fixed asset can be employed for production.

- **Retirement** of fixed assets from the production process takes place when they can no longer provide production service.

- **Incremental Capital Output Ratio: ICOR** is an indicator measuring investment capacity in an economic system. ICOR reflects how much additional investment is required for a 1 unit increase in GDP. The smaller the ICOR, the higher efficiency the last unit of investment provides.

$$\text{ICOR} = \frac{\Delta \text{NCS}_t}{\Delta \text{GDP}_t}$$

- **Capital Productivity: CP** measures units of products produced by 1 unit of capital.

$$\text{CP}_{it} = \frac{\text{GDP}_{it}}{\text{NCS}_{it}}$$

- **Total Factor Productivity: TFP** determines the proportion of GDP growth that is not a result of an increase in factors of production (labor, capital, and land). TFP measures the amount of GDP growth contributed by the residual or technical progress.

$$\begin{aligned} Y_t &= A_t f(K_t, L_t, N_t) \\ &= A K^\alpha L^\beta N^\delta \\ \frac{dY}{Y} &= \alpha \frac{dK}{K} + \beta \frac{dL}{L} + \delta \frac{dN}{N} + \frac{dA}{A} \\ \text{TFP} &= \frac{dY}{Y} - \alpha \frac{dK}{K} - \beta \frac{dL}{L} - \delta \frac{dN}{N} \end{aligned}$$

where

Y	=	Gross Domestic Product (GDP)
A	=	Constant Term
K	=	Capital Stock
L	=	Labor
N	=	Land
α	=	Income Share of Capital

$$\begin{aligned}\beta &= \text{Income Share of Labor} \\ \delta &= \text{Income Share of Land}\end{aligned}$$

2. Coverage

Capital stock covers all fixed assets employed for producing goods and services in an economic system, categorized by institution, e.g., private sector, public sector, which includes central government, local municipalities, and state-owned enterprises.

3. Methodology

Perpetual Inventory Method or PIM is applied here, which is an indirect method. This method is being used widely as this method draws primary data from the accumulation of capital stock compiled under the System of National Accounts. As a result, outcomes from PIM are consistent with other national income statistics. The basic concept is to calculate the value of all fixed assets in one year, which covers a capital stock in the first year and the additional capital acquired in the following years subtracted by those disposed of during the production process. The total value of fixed assets at the current price before deducting depreciation is **Gross Capital Stock**. In reality, however, all kinds of assets wear out during production, so the value of assets declines each year. A reduction in such value each year is called **Depreciation**. Thus, to find the value of capital stock in existence or **Net Capital Stock** is simply by deducting accumulated depreciation from gross capital stock. An alternative approach for the net capital stock is by adding last year's net capital stock with investment during the year, then subtracting by depreciation.

(1) Gross Capital Stock

$$GCS_t = \sum_{i=1}^n \sum_{t=1}^L GFCF_{it} * (1-\gamma_{it})$$

$$GCS = \text{Gross Capital Stock}$$

$$GFCF = \text{Gross Fixed Capital Formation}$$

$$i = \text{Type of Assets (i = 1,2,3,...,n)}$$

t = Year ($t = 1, 2, 3, \dots, L$)

L = Service Lifetime

γ = Rate of Retirement

(2) Net Capital Stock

$NCS_t = NCS_{t-1} + GFCF_t - COFC_t$

NCS = Net Capital Stock

$GFCF$ = Gross Fixed Capital Formation

$COFC$ = Annual Depreciation

ตารางสถิติ

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TABLE 16 ANNUAL DEPRECIATION OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

TABLE 17 ANNUAL DEPRECIATION OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

TABLE 18 ANNUAL DEPRECIATION OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

TABLE 1 GROSS CAPITAL STOCK OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	3,065,664	3,530,341	3,567,574	3,832,090	4,138,766	4,396,285	4,574,379	4,622,639	4,571,993	4,937,453	5,084,021	4,928,732	5,017,732	5,235,948
Agriculture, forestry and fishing	3,065,664	3,530,341	3,567,574	3,832,090	4,138,766	4,396,285	4,574,379	4,622,639	4,571,993	4,937,453	5,084,021	4,928,732	5,017,732	5,235,948
None Agriculture	36,733,567	39,710,382	43,549,029	46,388,673	48,714,230	50,353,887	52,095,986	52,608,866	54,528,399	56,155,855	57,091,801	56,582,973	58,447,022	60,797,647
Industrial	10,836,602	11,911,440	12,787,643	13,676,942	14,301,927	14,828,183	15,381,556	15,464,195	16,071,116	16,686,975	16,943,134	16,970,801	17,831,579	18,560,224
Mining and quarrying	537,779	599,007	647,909	694,787	719,185	750,879	776,146	778,178	821,059	894,106	931,624	953,487	973,097	985,528
Manufacturing	6,926,363	7,571,802	8,121,646	8,677,551	9,005,688	9,370,122	9,743,445	9,674,551	10,132,837	10,548,934	10,682,231	10,610,682	11,353,962	11,901,424
Electricity, gas, steam and air conditioning supply	2,984,407	3,381,931	3,631,765	3,898,282	4,166,464	4,286,451	4,430,479	4,569,212	4,649,651	4,758,603	4,837,080	4,910,343	4,999,464	5,162,996
Water supply; sewerage, waste management and remediation activities	388,053	358,700	386,322	406,322	410,590	420,731	431,487	442,254	467,569	485,333	492,199	496,289	505,056	510,276
Service	25,896,966	27,798,943	30,761,386	32,711,731	34,412,303	35,525,704	36,714,430	37,144,671	38,457,284	39,468,879	40,148,667	39,612,172	40,615,443	42,237,423
Construction	1,226,400	1,341,647	1,430,645	1,501,013	1,554,281	1,637,937	1,741,572	1,779,440	1,838,090	1,893,925	1,912,730	1,957,694	2,041,151	2,058,865
Wholesale and retail trade; repair of motor vehicles and motorcycles	2,963,648	3,194,963	3,424,759	3,635,776	3,835,913	3,978,409	4,144,586	4,187,887	4,497,457	4,680,054	4,777,696	4,599,162	4,721,346	4,869,391
Transportation and storage	7,441,463	7,940,666	8,549,033	8,995,057	9,565,394	9,876,086	10,428,050	10,466,529	11,258,691	11,715,075	11,703,861	11,508,893	11,494,639	12,263,957
Accommodation and food service activities	1,522,250	1,597,012	1,725,785	1,851,359	1,951,058	2,013,612	2,090,257	2,089,788	2,061,467	2,209,974	2,302,732	1,872,236	1,771,825	1,931,166
Information and communication	680,791	687,858	723,262	829,900	969,587	1,110,594	1,220,421	1,231,653	1,320,030	1,370,769	1,386,591	1,408,017	1,440,599	1,498,815
Financial and insurance activities	505,685	556,638	597,962	634,753	668,813	692,680	721,474	734,401	804,420	842,545	861,554	886,105	918,112	959,509
Real estate activities	7,703,479	8,290,396	9,543,417	10,075,293	10,529,880	10,718,131	10,676,397	10,931,436	10,689,160	10,542,400	10,790,644	10,920,752	11,528,699	11,796,900
Professional, scientific and technical activities	21,587	22,994	23,729	24,458	25,795	27,064	29,237	31,193	31,590	33,877	34,865	35,121	35,655	36,813
Administrative and support service activities+2	30,367	31,773	32,319	36,317	38,198	41,020	44,773	45,956	48,544	51,270	52,400	51,828	52,523	53,782
Public administration and defence; compulsory social security	621,862	668,188	723,962	766,890	833,388	859,264	904,021	916,886	1,012,383	1,067,275	1,110,208	1,126,232	1,178,376	1,196,601
Education	778,099	841,507	956,044	1,021,293	1,052,333	1,087,024	1,118,229	1,141,558	1,211,336	1,261,461	1,303,937	1,326,743	1,344,332	1,374,407
Human health and social work activities	1,499,561	1,659,524	1,967,340	2,089,214	2,114,591	2,196,904	2,301,088	2,286,436	2,348,179	2,376,545	2,418,052	2,503,414	2,647,926	2,727,722
Arts, entertainment and recreation	24,212	25,347	25,935	30,288	33,861	34,618	35,715	35,462	35,293	36,978	37,759	37,342	38,019	39,004
Other service activities	877,560	940,431	1,037,194	1,220,122	1,239,211	1,252,362	1,258,611	1,266,046	1,300,644	1,386,732	1,455,637	1,378,632	1,402,243	1,430,490
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	39,799,231	43,240,723	47,116,603	50,220,763	52,852,996	54,750,172	56,670,366	57,231,505	59,100,393	61,093,308	62,175,822	61,511,705	63,464,754	66,033,595

TABLE 1-1 GROWTH RATE OF GROSS CAPITAL STOCK OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016r	2017r	2018	2019r	2020r	2021r	2022p
Agriculture	2.4	15.2	1.1	7.4	8.0	6.2	4.1	1.1	-1.1	8.0	3.0	-3.1	1.8	4.3
Agriculture, forestry and fishing	2.4	15.2	1.1	7.4	8.0	6.2	4.1	1.1	-1.1	8.0	3.0	-3.1	1.8	4.3
None Agriculture	-0.2	8.1	9.7	6.5	5.0	3.4	3.5	1.0	3.6	3.0	1.7	-0.9	3.3	4.0
Industrial	1.4	9.9	7.4	7.0	4.6	3.7	3.7	0.5	3.9	3.8	1.5	0.2	5.1	4.1
Mining and quarrying	1.1	11.4	8.2	7.2	3.5	4.4	3.4	0.3	5.5	8.9	4.2	2.3	2.1	1.3
Manufacturing	2.8	9.3	7.3	6.8	3.8	4.0	4.0	-0.7	4.7	4.1	1.3	-0.7	7.0	4.8
Electricity, gas, steam and air conditioning supply	-3.2	13.3	7.4	7.3	6.9	2.9	3.4	3.1	1.8	2.3	1.6	1.5	1.8	3.3
Water supply; sewerage, waste management and remediation activities	17.6	-7.6	7.7	5.2	1.1	2.5	2.6	2.5	5.7	3.8	1.4	0.8	1.8	1.0
Service	-0.8	7.3	10.7	6.3	5.2	3.2	3.3	1.2	3.5	2.6	1.7	-1.3	2.5	4.0
Construction	4.0	9.4	6.6	4.9	3.5	5.4	6.3	2.2	3.3	3.0	1.0	2.4	4.3	0.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.1	7.8	7.2	6.2	5.5	3.7	4.2	1.0	7.4	4.1	2.1	-3.7	2.7	3.1
Transportation and storage	2.7	6.7	7.7	5.2	6.3	3.2	5.6	0.4	7.6	4.1	-0.1	-1.7	-0.1	6.7
Accommodation and food service activities	3.7	4.9	8.1	7.3	5.4	3.2	3.8	-0.0	-1.4	7.2	4.2	-18.7	-5.4	9.0
Information and communication	6.9	1.0	5.1	14.7	16.8	14.5	9.9	0.9	7.2	3.8	1.2	1.5	2.3	4.0
Financial and insurance activities	0.2	10.1	7.4	6.2	5.4	3.6	4.2	1.8	9.5	4.7	2.3	2.8	3.6	4.5
Real estate activities	-6.4	7.6	15.1	5.6	4.5	1.8	-0.4	2.4	-2.2	-1.4	2.4	1.2	5.6	2.3
Professional, scientific and technical activities	1.3	6.5	3.2	3.1	5.5	4.9	8.0	6.7	1.3	7.2	2.9	0.7	1.5	3.2
Administrative and support service activities	4.5	4.6	1.7	12.4	5.2	7.4	9.2	2.6	5.6	5.6	2.2	-1.1	1.3	2.4
Public administration and defence; compulsory social security	0.5	7.4	8.3	5.9	8.7	3.1	5.2	1.4	10.4	5.4	4.0	1.4	4.6	1.5
Education	0.3	8.1	13.6	6.8	3.0	3.3	2.9	2.1	6.1	4.1	3.4	1.7	1.3	2.2
Human health and social work activities	-1.8	10.7	18.5	6.2	1.2	3.9	4.7	-0.6	2.7	1.2	1.7	3.5	5.8	3.0
Arts, entertainment and recreation	8.9	4.7	2.3	16.8	11.8	2.2	3.2	-0.7	-0.5	4.8	2.1	-1.1	1.8	2.6
Other service activities	-1.6	7.2	10.3	17.6	1.6	1.1	0.5	0.6	2.7	6.6	5.0	-5.3	1.7	2.0
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	0.0	8.6	9.0	6.6	5.2	3.6	3.5	1.0	3.3	3.4	1.8	-1.1	3.2	4.0

TABLE 2 GROSS CAPITAL STOCK OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	2,671,206	2,767,999	2,887,203	3,156,356	3,239,765	3,285,734	3,444,035	3,622,272	3,728,091	3,896,338	4,000,122	3,885,517	3,924,468	4,002,484
Agriculture, forestry and fishing	2,671,206	2,767,999	2,887,203	3,156,356	3,239,765	3,285,734	3,444,035	3,622,272	3,728,091	3,896,338	4,000,122	3,885,517	3,924,468	4,002,484
None Agriculture	29,667,032	31,778,887	33,298,618	34,028,386	35,165,756	35,782,316	36,360,986	37,297,107	38,031,779	39,064,120	39,584,239	39,223,954	40,185,323	40,955,653
Industrial	8,536,610	9,015,084	9,357,654	10,048,288	10,457,024	10,501,770	10,749,061	10,962,976	11,471,160	11,779,663	11,948,740	11,981,435	12,497,304	12,758,986
Mining and quarrying	531,356	546,164	578,465	652,569	684,921	711,720	710,534	690,106	717,930	738,266	761,441	777,367	791,465	793,041
Manufacturing	5,509,998	5,810,224	5,961,271	6,509,013	6,780,388	6,717,807	6,896,637	7,073,131	7,414,159	7,685,386	7,798,849	7,765,613	8,270,783	8,524,045
Electricity, gas, steam and air conditioning supply	2,193,641	2,387,426	2,535,971	2,608,984	2,713,738	2,784,237	2,845,169	2,892,393	3,012,475	3,032,896	3,064,747	3,107,573	3,120,130	3,139,404
Water supply; sewerage, waste management and remediation activities	292,654	255,972	263,064	269,857	272,239	277,504	282,238	285,858	304,802	309,206	312,858	315,914	318,020	313,538
Service	21,113,211	22,749,880	23,933,574	23,941,848	24,669,480	25,237,898	25,568,349	26,289,216	26,515,303	27,237,813	27,588,509	27,199,581	27,650,121	28,158,676
Construction	928,411	1,009,321	1,031,005	1,084,379	1,128,067	1,136,788	1,250,842	1,369,669	1,367,249	1,410,920	1,430,654	1,463,943	1,513,765	1,502,559
Wholesale and retail trade; repair of motor vehicles and motorcycles	2,421,468	2,587,119	2,665,391	2,443,431	2,439,475	2,407,101	2,532,220	2,603,182	2,659,463	2,728,732	2,793,156	2,692,119	2,728,396	2,760,437
Transportation and storage	5,988,781	6,476,019	6,721,660	7,047,176	7,444,860	7,585,751	7,842,375	7,865,369	8,276,722	8,509,849	8,360,495	8,163,067	8,141,692	8,486,426
Accommodation and food service activities	1,166,982	1,212,509	1,207,940	1,272,773	1,374,754	1,406,235	1,496,585	1,565,465	1,530,178	1,557,947	1,632,467	1,372,911	1,292,276	1,372,759
Information and communication	519,871	510,079	523,770	608,490	636,137	695,314	744,011	763,000	824,533	843,082	854,184	866,843	874,771	891,686
Financial and insurance activities	417,897	435,347	450,244	385,730	404,900	408,745	403,236	408,296	428,946	437,639	446,706	460,124	470,046	481,845
Real estate activities	6,750,497	7,396,918	8,016,496	7,563,651	7,591,429	8,098,576	7,547,799	7,549,418	7,190,222	7,402,237	7,541,278	7,604,736	7,930,710	7,937,412
Professional, scientific and technical activities	16,046	17,411	19,148	19,524	20,096	20,574	20,809	21,605	21,854	22,618	23,504	23,856	23,849	24,087
Administrative and support service activities	24,861	26,521	27,474	30,083	30,683	30,865	32,118	32,819	34,623	35,857	37,429	37,578	37,740	37,845
Public administration and defence; compulsory social security	488,640	532,563	567,801	611,124	648,835	647,814	635,001	658,544	693,063	711,697	738,657	748,869	771,980	770,409
Education	584,699	622,454	664,244	696,400	722,819	709,337	729,181	776,635	818,583	844,124	874,468	893,496	895,631	901,131
Human health and social work activities	1,036,138	1,132,514	1,229,479	1,269,805	1,288,249	1,220,987	1,353,848	1,541,641	1,552,589	1,581,006	1,602,237	1,633,613	1,706,835	1,725,597
Arts, entertainment and recreation	20,007	21,197	19,821	19,520	22,506	21,565	22,821	23,967	23,018	25,768	25,684	25,644	25,950	26,292
Other service activities	700,095	728,950	767,103	806,842	843,137	800,967	823,076	924,368	915,578	946,523	1,024,080	1,007,179	1,019,415	1,028,880
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32,326,834	34,541,000	36,179,405	37,167,649	38,390,098	39,053,137	39,785,070	40,892,866	41,729,796	42,920,577	43,538,253	43,072,386	44,078,088	44,925,514

TABLE 2-1 GROWTH RATE OF GROSS CAPITAL STOCK OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	2.5	3.6	4.3	9.3	2.6	1.4	4.8	5.2	2.9	4.5	2.7	-2.9	1.0	2.0
Agriculture, forestry and fishing	2.5	3.6	4.3	9.3	2.6	1.4	4.8	5.2	2.9	4.5	2.7	-2.9	1.0	2.0
None Agriculture	0.9	7.1	4.8	2.2	3.3	1.8	1.6	2.6	2.0	2.7	1.3	-0.9	2.5	1.9
Industrial	-1.6	5.6	3.8	7.4	4.1	0.4	2.4	2.0	4.6	2.7	1.4	0.3	4.3	2.1
Mining and quarrying	4.8	2.8	5.9	12.8	5.0	3.9	-0.2	-2.9	4.0	2.8	3.1	2.1	1.8	0.2
Manufacturing	-1.2	5.4	2.6	9.2	4.2	-0.9	2.7	2.6	4.8	3.7	1.5	-0.4	6.5	3.1
Electricity, gas, steam and air conditioning supply	-5.1	8.8	6.2	2.9	4.0	2.6	2.2	1.7	4.2	0.7	1.1	1.4	0.4	0.6
Water supply; sewerage, waste management and remediation activities	12.7	-12.5	2.8	2.6	0.9	1.9	1.7	1.3	6.6	1.4	1.2	1.0	0.7	-1.4
Service	2.0	7.8	5.2	0.0	3.0	2.3	1.3	2.8	0.9	2.7	1.3	-1.4	1.7	1.8
Construction	-1.7	8.7	2.1	5.2	4.0	0.8	10.0	9.5	-0.2	3.2	1.4	2.3	3.4	-0.7
Wholesale and retail trade; repair of motor vehicles and motorcycles	-2.1	6.8	3.0	-8.3	-0.2	-1.3	5.2	2.8	2.2	2.6	2.4	-3.6	1.3	1.2
Transportation and storage	2.6	8.1	3.8	4.8	5.6	1.9	3.4	0.3	5.2	2.8	-1.8	-2.4	-0.3	4.2
Accommodation and food service activities	0.2	3.9	-0.4	5.4	8.0	2.3	6.4	4.6	-2.3	1.8	4.8	-15.9	-5.9	6.2
Information and communication	1.3	-1.9	2.7	16.2	4.5	9.3	7.0	2.6	8.1	2.2	1.3	1.5	0.9	1.9
Financial and insurance activities	3.4	4.2	3.4	-14.3	5.0	0.9	-1.3	1.3	5.1	2.0	2.1	3.0	2.2	2.5
Real estate activities	6.2	9.6	8.4	-5.6	0.4	6.7	-6.8	0.0	-4.8	2.9	1.9	0.8	4.3	0.1
Professional, scientific and technical activities	-1.5	8.5	10.0	2.0	2.9	2.4	1.1	3.8	1.2	3.5	3.9	1.5	-0.0	1.0
Administrative and support service activities	1.8	6.7	3.6	9.5	2.0	0.6	4.1	2.2	5.5	3.6	4.4	0.4	0.4	0.3
Public administration and defence; compulsory social security	4.6	9.0	6.6	7.6	6.2	-0.2	-2.0	3.7	5.2	2.7	3.8	1.4	3.1	-0.2
Education	-3.7	6.5	6.7	4.8	3.8	-1.9	2.8	6.5	5.4	3.1	3.6	2.2	0.2	0.6
Human health and social work activities	-5.4	9.3	8.6	3.3	1.5	-5.2	10.9	13.9	0.7	1.8	1.3	2.0	4.5	1.1
Arts, entertainment and recreation	5.3	5.9	-6.5	-1.5	15.3	-4.2	5.8	5.0	-4.0	4.4	7.2	-0.5	1.2	1.3
Other service activities	-4.6	4.1	5.2	5.2	4.5	-5.0	2.8	12.3	-1.0	3.4	8.2	-1.7	1.2	0.9
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1.1	6.8	4.7	2.7	3.3	1.7	1.9	2.8	2.0	2.9	1.4	-1.1	2.3	1.9

TABLE 3 GROSS CAPITAL STOCK OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,411,156	1,632,500	1,633,521	1,742,988	1,861,948	1,992,968	2,074,161	2,206,016	2,473,083	2,671,261	2,752,489	2,469,295	2,478,759	2,623,210
Agriculture, forestry and fishing	1,411,156	1,632,500	1,633,521	1,742,988	1,861,948	1,992,968	2,074,161	2,206,016	2,473,083	2,671,261	2,752,489	2,469,295	2,478,759	2,623,210
None Agriculture	26,327,256	28,181,958	30,791,874	32,851,189	34,414,773	35,537,387	36,609,223	36,748,433	38,674,147	39,911,250	40,886,243	40,033,923	41,342,611	43,221,087
Industrial	8,114,282	8,779,939	9,436,755	10,113,314	10,535,517	10,948,841	11,425,044	11,384,730	11,995,327	12,612,476	12,898,351	12,759,575	13,510,788	14,133,428
Mining and quarrying	453,552	505,346	544,205	581,912	601,289	628,914	651,062	653,483	695,470	757,343	779,806	797,154	807,671	817,535
Manufacturing	6,549,084	7,152,021	7,695,097	8,228,748	8,535,411	8,862,917	9,208,140	9,144,289	9,613,225	10,124,023	10,358,773	10,257,558	10,967,927	11,509,867
Electricity, gas, steam and air conditioning supply	983,320	1,003,953	1,069,700	1,168,288	1,263,039	1,317,878	1,423,154	1,440,709	1,527,336	1,570,615	1,597,005	1,550,672	1,580,896	1,648,095
Water supply; sewerage, waste management and remediation activities	128,325	118,619	127,753	134,366	135,778	139,132	142,688	146,249	159,296	160,495	162,765	154,192	154,295	157,931
Service	18,212,975	19,402,019	21,355,119	22,737,875	23,879,256	24,588,547	25,184,179	25,363,703	26,678,820	27,298,774	27,987,892	27,274,348	27,831,823	29,087,660
Construction	641,481	676,834	720,974	770,425	801,760	832,186	873,224	924,401	991,631	1,043,837	1,092,456	982,665	982,998	1,002,976
Wholesale and retail trade; repair of motor vehicles and motorcycles	2,937,272	3,166,592	3,394,244	3,603,599	3,801,620	3,942,444	4,106,994	4,150,698	4,459,858	4,640,929	4,747,310	4,570,187	4,691,129	4,838,422
Transportation and storage	3,495,776	3,619,038	3,825,863	3,876,779	4,167,546	4,304,097	4,469,462	4,383,487	4,993,117	5,195,519	5,307,584	5,225,037	5,195,577	5,696,485
Accommodation and food service activities	1,040,823	1,085,904	1,098,393	1,183,204	1,276,694	1,319,339	1,374,574	1,385,467	1,381,101	1,502,694	1,565,766	1,218,077	1,141,055	1,284,341
Information and communication	375,300	392,691	310,366	500,712	570,825	657,805	719,743	772,702	873,043	883,549	882,827	888,706	939,607	939,607
Financial and insurance activities	414,718	454,984	489,683	519,437	544,896	564,895	588,181	605,683	673,018	704,916	721,164	736,353	758,957	797,016
Real estate activities	7,039,054	7,556,447	8,711,231	9,182,722	9,589,457	9,762,180	9,723,315	10,006,418	9,899,338	9,773,964	9,993,324	10,026,343	10,486,505	10,748,274
Professional, scientific and technical activities	14,195	15,120	15,603	16,083	16,962	17,796	19,225	20,512	21,089	22,277	22,926	23,095	23,410	24,207
Administrative and support service activities	7,770	6,943	4,919	7,015	7,267	9,078	11,440	12,579	13,252	13,996	14,305	13,112	13,283	13,553
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	531,823	570,323	633,246	679,048	695,319	724,013	746,541	787,378	878,170	914,509	945,302	949,019	949,770	970,276
Human health and social work activities	1,025,580	1,125,406	1,346,250	1,421,125	1,422,422	1,485,678	1,574,657	1,408,673	1,504,971	1,523,151	1,550,576	1,579,004	1,627,680	1,674,576
Arts, entertainment and recreation	11,541	11,319	10,177	17,428	19,143	19,257	17,281	13,535	15,655	16,402	16,749	16,527	16,864	17,691
Other service activities	677,643	720,417	794,169	960,297	965,346	949,779	959,540	892,170	1,006,894	1,073,538	1,126,882	1,052,103	1,055,889	1,080,235
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	27,738,412	29,814,459	32,425,395	34,594,177	36,276,721	37,530,355	38,683,384	38,954,449	41,147,230	42,582,511	43,638,731	42,503,218	43,821,371	45,844,297

TABLE 3-1 GROWTH RATE OF GROSS CAPITAL STOCK OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	5.2	15.7	0.1	6.7	6.8	7.0	4.1	6.4	12.1	8.0	3.0	-10.3	0.4	5.8
Agriculture, forestry and fishing	5.2	15.7	0.1	6.7	6.8	7.0	4.1	6.4	12.1	8.0	3.0	-10.3	0.4	5.8
None Agriculture	-0.2	7.0	9.3	6.7	4.8	3.3	3.0	0.4	5.2	3.2	2.4	-2.1	3.3	4.5
Industrial	2.3	8.2	7.5	7.2	4.2	3.9	4.3	-0.4	5.4	5.1	2.3	-1.1	5.9	4.6
Mining and quarrying	1.6	11.4	7.7	6.9	3.3	4.6	3.5	0.4	6.4	8.9	3.0	2.2	1.3	1.2
Manufacturing	2.5	9.2	7.6	6.9	3.7	3.8	3.9	-0.7	5.1	5.3	2.3	-1.0	6.9	4.9
Electricity, gas, steam and air conditioning supply	-0.8	2.1	6.5	9.2	8.1	4.3	8.0	1.2	6.0	2.8	1.7	-2.9	1.9	4.3
Water supply; sewerage, waste management and remediation activities	17.6	-7.6	7.7	5.2	1.1	2.5	2.6	2.5	8.9	0.8	1.4	-5.3	0.1	2.4
Service	-1.3	6.5	10.1	6.5	5.0	3.0	2.4	0.7	5.2	2.3	2.5	-2.5	2.0	4.5
Construction	10.9	5.5	6.5	6.9	4.1	3.8	4.9	5.9	7.3	5.3	4.7	-10.0	0.0	2.0
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.1	7.8	7.2	6.2	5.5	3.7	4.2	1.1	7.4	4.1	2.3	-3.7	2.6	3.1
Transportation and storage	4.8	3.5	5.7	1.3	7.5	3.3	3.8	-1.9	13.9	4.1	2.2	-1.6	-0.6	9.6
Accommodation and food service activities	4.1	4.3	1.2	7.7	7.9	3.3	4.2	0.8	-0.3	8.8	4.2	-22.2	-6.3	12.6
Information and communication	4.8	4.6	-21.0	61.3	14.0	15.2	9.4	7.4	8.8	3.8	1.2	-0.1	0.7	5.7
Financial and insurance activities	0.3	9.7	7.6	6.1	4.9	3.7	4.1	3.0	11.1	4.7	2.3	2.1	3.1	5.0
Real estate activities	-6.6	7.4	15.3	5.4	4.4	1.8	-0.4	2.9	-1.1	-1.3	2.2	0.3	4.6	2.5
Professional, scientific and technical activities	1.3	6.5	3.2	3.1	5.5	4.9	8.0	6.7	2.8	5.6	2.9	0.7	1.4	3.4
Administrative and support service activities	23.9	-10.6	-29.1	42.6	3.6	24.9	26.0	10.0	5.4	5.6	2.2	-8.3	1.3	2.0
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0.5	7.2	11.0	7.2	2.4	4.1	3.1	5.5	11.5	4.1	3.4	0.4	0.1	2.2
Human health and social work activities	-1.4	9.7	19.6	5.6	0.1	4.4	6.0	-10.5	6.8	1.2	1.8	1.8	3.1	2.9
Arts, entertainment and recreation	11.3	-1.9	-10.1	71.3	9.8	0.6	-10.3	-21.7	15.7	4.8	2.1	-1.3	2.0	4.9
Other service activities	-1.6	6.3	10.2	20.9	0.5	-1.6	1.0	-7.0	12.9	6.6	5.0	-6.6	0.4	2.3
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	0.1	7.5	8.8	6.7	4.9	3.5	3.1	0.7	5.6	3.5	2.5	-2.6	3.1	4.6

TABLE 4 GROSS CAPITAL STOCK OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,229,584	1,279,979	1,321,993	1,435,637	1,457,505	1,489,521	1,561,628	1,728,620	2,016,598	2,107,996	2,165,665	1,946,643	1,938,686	2,005,243
Agriculture, forestry and fishing	1,229,584	1,279,979	1,321,993	1,435,637	1,457,505	1,489,521	1,561,628	1,728,620	2,016,598	2,107,996	2,165,665	1,946,643	1,938,686	2,005,243
None Agriculture	21,513,142	22,804,855	23,725,508	24,085,315	24,794,832	25,223,414	25,481,333	25,981,319	26,857,804	27,750,081	28,377,510	27,797,990	28,467,980	29,177,038
Industrial	6,486,874	6,748,567	6,974,222	7,591,665	7,913,263	7,900,253	8,130,837	8,285,804	8,755,854	9,122,423	9,332,133	9,247,357	9,736,182	10,006,097
Mining and quarrying	448,135	460,765	485,875	546,552	572,642	596,116	596,025	579,524	608,116	625,341	637,357	649,910	656,916	657,859
Manufacturing	5,209,868	5,488,105	5,648,185	6,172,366	6,426,316	6,354,172	6,517,735	6,685,452	7,033,960	7,375,817	7,562,698	7,507,171	7,989,573	8,243,600
Electricity, gas, steam and air conditioning supply	722,773	708,725	746,943	781,892	822,651	856,017	913,920	911,992	989,547	1,001,029	1,011,851	981,360	986,623	1,002,136
Water supply; sewerage, waste management and remediation activities	96,777	84,647	86,992	89,238	90,026	91,767	93,333	94,530	103,843	102,251	103,459	98,151	97,155	97,040
Service	15,012,767	16,045,949	16,744,085	16,455,164	16,845,469	17,277,331	17,308,122	17,652,153	18,065,460	18,595,429	19,012,621	18,525,009	18,722,263	19,162,992
Construction	485,615	509,183	519,576	556,580	581,903	577,569	627,174	711,532	737,620	777,632	817,122	734,830	729,018	731,976
Wholesale and retail trade; repair of motor vehicles and motorcycles	2,399,917	2,564,145	2,641,642	2,421,806	2,417,665	2,385,340	2,509,252	2,580,065	2,637,229	2,705,919	2,775,391	2,675,159	2,710,935	2,742,881
Transportation and storage	2,813,351	2,951,512	3,008,079	3,037,264	3,243,653	3,305,948	3,361,244	3,294,097	3,670,645	3,774,035	3,791,403	3,706,035	3,680,047	3,941,862
Accommodation and food service activities	797,910	824,455	768,803	813,427	899,582	921,377	984,167	1,037,854	1,025,156	1,059,340	1,110,011	893,215	832,225	912,967
Information and communication	286,588	291,198	224,760	367,126	374,512	411,833	438,779	478,682	525,144	536,958	544,294	543,510	539,646	558,998
Financial and insurance activities	342,718	355,840	368,710	315,651	329,876	333,335	328,734	336,730	358,874	366,147	373,911	382,359	388,559	400,240
Real estate activities	6,168,266	6,742,069	7,317,458	6,893,588	6,913,439	7,376,265	6,874,007	6,910,586	6,658,936	6,862,688	6,984,053	6,981,908	7,213,774	7,231,856
Professional, scientific and technical activities	10,552	11,449	12,591	12,838	13,214	13,529	13,683	14,207	14,589	14,873	15,455	15,686	15,658	15,839
Administrative and support service activities	6,360	5,794	4,181	5,810	5,836	6,829	8,205	8,982	9,450	9,787	10,216	9,505	9,543	9,535
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	399,636	421,862	439,969	463,030	477,596	472,455	486,810	535,678	593,442	611,959	633,957	639,120	632,766	636,165
Human health and social work activities	708,636	768,015	841,333	863,747	866,567	825,706	926,453	949,806	995,071	1,013,283	1,027,435	1,030,385	1,049,191	1,059,361
Arts, entertainment and recreation	9,535	9,464	7,776	11,230	12,721	11,993	11,039	9,145	10,207	10,657	11,426	11,345	11,506	11,920
Other service activities	540,607	558,413	587,364	635,026	656,805	607,446	627,498	651,394	708,796	732,752	792,793	768,630	767,621	776,960
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	22,742,481	24,085,957	25,048,377	25,517,586	26,251,005	26,711,065	27,038,358	27,695,479	28,838,169	29,817,212	30,500,259	29,722,116	30,389,805	31,162,930

TABLE 4-1 GROWTH RATE OF GROSS CAPITAL STOCK OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	5.3	4.1	3.3	8.6	1.5	2.2	4.8	10.7	16.7	4.5	2.7	-10.1	-0.4	3.4
Agriculture, forestry and fishing	5.3	4.1	3.3	8.6	1.5	2.2	4.8	10.7	16.7	4.5	2.7	-10.1	-0.4	3.4
None Agriculture	1.6	6.0	4.0	1.5	2.9	1.7	1.0	2.0	3.4	3.3	2.3	-2.0	2.4	2.5
Industrial	-1.0	4.0	3.3	8.9	4.2	-0.2	2.9	1.9	5.7	4.2	2.3	-0.9	5.3	2.8
Mining and quarrying	5.3	2.8	5.4	12.5	4.8	4.1	-0.0	-2.8	4.9	2.8	1.9	2.0	1.1	0.1
Manufacturing	-1.4	5.3	2.9	9.3	4.1	-1.1	2.6	2.6	5.2	4.9	2.5	-0.7	6.4	3.2
Electricity, gas, steam and air conditioning supply	-2.7	-1.9	5.4	4.7	5.2	4.1	6.8	-0.2	8.5	1.2	1.1	-3.0	0.5	1.6
Water supply; sewerage, waste management and remediation activities	12.7	-12.5	2.8	2.6	0.9	1.9	1.7	1.3	9.9	-1.5	1.2	-5.1	-1.0	-0.1
Service	2.7	6.9	4.4	-1.7	2.4	2.6	0.2	2.0	2.3	2.9	2.2	-2.6	1.1	2.4
Construction	4.8	4.9	2.0	7.1	4.5	-0.7	8.6	13.5	3.7	5.4	5.1	-10.1	-0.8	0.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	-2.1	6.8	3.0	-8.3	-0.2	-1.3	5.2	2.8	2.2	2.6	2.6	-3.6	1.3	1.2
Transportation and storage	4.7	4.9	1.9	1.0	6.8	1.9	1.7	-2.0	11.4	2.8	0.5	-2.3	-0.7	7.1
Accommodation and food service activities	0.6	3.3	-6.8	5.8	10.6	2.4	6.8	5.5	-1.2	3.3	4.8	-19.5	-6.8	9.7
Information and communication	-0.7	1.6	-22.8	63.3	2.0	10.0	6.5	9.1	9.7	2.2	1.4	-0.1	-0.7	3.6
Financial and insurance activities	3.4	3.8	3.6	-14.4	4.5	1.0	-1.4	2.4	6.6	2.0	2.1	2.3	1.6	3.0
Real estate activities	6.0	9.3	8.5	-5.8	0.3	6.7	-6.8	0.5	-3.6	3.1	1.8	-0.0	3.3	0.3
Professional, scientific and technical activities	-1.5	8.5	10.0	2.0	2.9	2.4	1.1	3.8	2.7	1.9	3.9	1.5	-0.2	1.2
Administrative and support service activities	20.7	-8.9	-27.8	39.0	0.4	17.0	20.1	9.5	5.2	3.6	4.4	-7.0	0.4	-0.1
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	-3.5	5.6	4.3	5.2	3.1	-1.1	3.0	10.0	10.8	3.1	3.6	0.8	-1.0	0.5
Human health and social work activities	-5.0	8.4	9.5	2.7	0.3	-4.7	12.2	2.5	4.8	1.8	1.4	0.3	1.8	1.0
Arts, entertainment and recreation	7.5	-0.7	-17.8	44.4	13.3	-5.7	-8.0	-17.2	11.6	4.4	7.2	-0.7	1.4	3.6
Other service activities	-4.6	3.3	5.2	8.1	3.4	-7.5	3.3	3.8	8.8	3.4	8.2	-3.0	-0.1	1.2
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1.7	5.9	4.0	1.9	2.9	1.8	1.2	2.4	4.1	3.4	2.3	-2.6	2.2	2.5

TABLE 5 GROSS CAPITAL STOCK OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,654,508	1,897,841	1,934,053	2,089,102	2,276,818	2,403,317	2,500,218	2,416,623	2,098,911	2,266,192	2,331,532	2,459,438	2,538,972	2,612,738
Agriculture, forestry and fishing	1,654,508	1,897,841	1,934,053	2,089,102	2,276,818	2,403,317	2,500,218	2,416,623	2,098,911	2,266,192	2,331,532	2,459,438	2,538,972	2,612,738
None Agriculture	10,406,311	11,528,424	12,757,155	13,537,484	14,299,457	14,816,500	15,486,763	15,860,433	15,854,253	16,244,605	16,205,559	16,549,050	17,104,411	17,576,560
Industrial	2,722,320	3,131,501	3,350,888	3,563,627	3,766,410	3,879,343	3,956,511	4,079,465	4,075,789	4,074,500	4,044,784	4,211,225	4,320,791	4,426,796
Mining and quarrying	84,227	93,661	103,704	112,875	117,896	121,965	125,084	124,695	125,589	136,762	151,817	156,334	165,427	167,993
Manufacturing	377,279	419,781	426,549	448,803	470,277	507,205	535,305	530,262	519,612	424,911	323,458	353,123	386,035	391,557
Electricity, gas, steam and air conditioning supply	2,001,087	2,377,978	2,562,065	2,729,994	2,903,426	2,968,573	3,007,325	3,128,503	3,122,315	3,187,988	3,240,074	3,359,671	3,418,569	3,514,900
Water supply; sewerage, waste management and remediation activities	259,728	240,082	258,569	271,955	274,812	281,600	288,798	296,005	308,273	324,838	329,434	342,097	350,761	352,346
Service	7,683,991	8,396,923	9,406,267	9,973,856	10,533,047	10,937,157	11,530,252	11,780,968	11,778,464	12,170,105	12,160,775	12,337,824	12,783,620	13,149,764
Construction	584,919	664,813	709,671	730,588	752,521	805,750	868,348	855,039	846,459	850,088	820,274	975,030	1,058,153	1,055,889
Wholesale and retail trade; repair of motor vehicles and motorcycles	26,376	28,371	30,515	32,177	34,293	35,965	37,591	37,188	37,599	39,125	30,386	28,975	30,217	30,969
Transportation and storage	3,945,687	4,321,628	4,723,170	5,118,277	5,397,847	5,571,989	5,958,588	6,083,042	6,265,574	6,519,556	6,396,277	6,283,856	6,299,062	6,567,472
Accommodation and food service activities	481,427	511,108	627,392	668,155	674,364	694,273	715,683	704,321	680,367	707,280	736,966	654,159	630,770	646,825
Information and communication	305,492	295,167	412,896	329,188	398,762	452,789	500,678	458,951	479,303	497,726	503,041	525,190	551,894	559,208
Financial and insurance activities	90,968	101,653	108,279	115,315	123,918	127,786	133,292	128,718	131,402	137,630	140,390	149,752	159,155	162,493
Real estate activities	664,425	733,949	832,186	892,570	940,424	955,950	953,082	925,018	789,822	768,436	797,321	894,410	1,042,194	1,048,626
Professional, scientific and technical activities	7,392	7,874	8,125	8,375	8,833	9,267	10,012	10,681	10,502	11,601	11,939	12,027	12,245	12,606
Administrative and support service activities	22,597	24,830	27,400	29,302	30,931	31,942	33,333	33,377	35,292	37,274	38,095	38,716	39,240	40,230
Public administration and defence; compulsory social security	621,862	668,188	723,962	766,890	833,388	859,264	904,021	916,886	1,012,383	1,067,275	1,110,208	1,126,232	1,178,376	1,196,601
Education	246,276	271,184	322,799	342,246	357,014	363,012	371,688	354,180	333,166	346,952	358,635	377,724	394,561	404,131
Human health and social work activities	473,981	534,118	621,089	668,089	692,169	711,226	726,430	877,763	843,207	853,394	867,476	924,411	1,020,246	1,053,146
Arts, entertainment and recreation	12,672	14,028	15,758	12,859	14,718	15,361	18,434	21,927	19,637	20,575	21,010	20,815	21,154	21,313
Other service activities	199,917	220,014	243,025	259,825	273,866	302,583	299,071	373,876	293,750	313,193	328,756	326,529	346,354	350,256
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	12,060,819	13,426,264	14,691,208	15,626,586	16,576,275	17,219,817	17,986,982	18,277,056	17,953,163	18,510,797	18,537,091	19,008,487	19,643,383	20,189,298

TABLE 5-1 GROWTH RATE OF GROSS CAPITAL STOCK OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	0.1	14.7	1.9	8.0	9.0	5.6	4.0	-3.3	-13.1	8.0	2.9	5.5	3.2	2.9
Agriculture, forestry and fishing	0.1	14.7	1.9	8.0	9.0	5.6	4.0	-3.3	-13.1	8.0	2.9	5.5	3.2	2.9
None Agriculture	-0.2	10.8	10.7	6.1	5.6	3.6	4.5	2.4	-0.0	2.5	-0.2	2.1	3.4	2.8
Industrial	-1.1	15.0	7.0	6.3	5.7	3.0	2.0	3.1	-0.1	-0.0	-0.7	4.1	2.6	2.5
Mining and quarrying	-1.4	11.2	10.7	8.8	4.4	3.5	2.6	-0.3	0.7	8.9	11.0	3.0	5.8	1.6
Manufacturing	6.6	11.3	1.6	5.2	4.8	7.9	5.5	-0.9	-2.0	-18.2	-23.9	9.2	9.3	1.4
Electricity, gas, steam and air conditioning supply	-4.4	18.8	7.7	6.6	6.4	2.2	1.3	4.0	-0.2	2.1	1.6	3.7	1.8	2.8
Water supply; sewerage, waste management and remediation activities	17.6	-7.6	7.7	5.2	1.1	2.5	2.6	2.5	4.1	5.4	1.4	3.8	2.5	0.5
Service	0.1	9.3	12.0	6.0	5.6	3.8	5.4	2.2	-0.0	3.3	-0.1	1.5	3.6	2.9
Construction	-2.6	13.7	6.7	2.9	3.0	7.1	7.8	-1.5	-1.0	0.4	-3.5	18.9	8.5	-0.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	-2.5	7.6	7.6	5.4	6.6	4.9	4.5	-1.1	1.1	4.1	-22.3	-4.6	4.3	2.5
Transportation and storage	0.9	9.5	9.3	8.4	5.5	3.2	6.9	2.1	3.0	4.1	-1.9	-1.8	0.2	4.3
Accommodation and food service activities	2.8	6.2	22.8	6.5	0.9	3.0	3.1	-1.6	-3.4	4.0	4.2	-11.2	-3.6	2.5
Information and communication	9.6	-3.4	39.9	-20.3	21.1	13.5	10.6	-8.3	4.4	3.8	1.1	4.4	5.1	1.3
Financial and insurance activities	0.2	11.7	6.5	6.5	7.5	3.1	4.3	-3.4	2.1	4.7	2.0	6.7	6.3	2.1
Real estate activities	-4.8	10.5	13.4	7.3	5.4	1.7	-0.3	-2.9	-14.6	-2.7	3.8	12.2	16.5	0.6
Professional, scientific and technical activities	1.3	6.5	3.2	3.1	5.5	4.9	8.0	6.7	-1.7	10.5	2.9	0.7	1.8	2.9
Administrative and support service activities	-0.9	9.9	10.4	6.9	5.6	3.3	4.4	0.1	5.7	5.6	2.2	1.6	1.4	2.5
Public administration and defence; compulsory social security	0.5	7.4	8.3	5.9	8.7	3.1	5.2	1.4	10.4	5.4	4.0	1.4	4.6	1.5
Education	-0.2	10.1	19.0	6.0	4.3	1.7	2.4	-4.7	-5.9	4.1	3.4	5.3	4.5	2.4
Human health and social work activities	-2.7	12.7	16.3	7.6	3.6	2.8	2.1	20.8	-3.9	1.2	1.7	6.6	10.4	3.2
Arts, entertainment and recreation	6.9	10.7	12.3	-18.4	14.5	4.4	20.0	18.9	-10.4	4.8	2.1	-0.9	1.6	0.7
Other service activities	-1.4	10.1	10.5	6.9	5.4	10.5	-1.2	25.0	-21.4	6.6	5.0	-0.7	6.1	1.1
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-0.1	11.3	9.4	6.4	6.1	3.9	4.5	1.6	-1.8	3.1	0.1	2.5	3.3	2.8

TABLE 6 GROSS CAPITAL STOCK OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,441,624	1,488,022	1,565,212	1,720,721	1,782,261	1,796,214	1,882,408	1,893,653	1,711,494	1,788,343	1,834,458	1,938,875	1,985,783	1,997,242
Agriculture, forestry and fishing	1,441,624	1,488,022	1,565,212	1,720,721	1,782,261	1,796,214	1,882,408	1,893,653	1,711,494	1,788,343	1,834,458	1,938,875	1,985,783	1,997,242
None Agriculture	8,147,686	8,957,358	9,548,872	9,913,729	10,340,491	10,527,958	10,848,375	11,284,704	11,139,959	11,277,176	11,169,777	11,387,125	11,677,450	11,739,350
Industrial	2,047,229	2,257,826	2,372,503	2,449,199	2,537,115	2,590,007	2,609,773	2,668,052	2,714,477	2,667,871	2,634,852	2,741,381	2,777,969	2,777,210
Mining and quarrying	83,221	85,398	92,589	106,016	112,279	115,605	114,510	110,583	109,815	112,926	124,085	127,458	134,550	135,183
Manufacturing	300,131	322,120	313,087	336,647	354,073	363,636	378,902	387,679	380,199	309,568	236,150	258,441	281,208	280,442
Electricity, gas, steam and air conditioning supply	1,470,868	1,678,700	1,789,027	1,827,090	1,891,085	1,928,218	1,931,247	1,980,399	2,022,926	2,031,865	2,052,894	2,126,212	2,133,506	2,137,267
Water supply; sewerage, waste management and remediation activities	195,876	171,325	176,072	180,619	182,213	185,737	188,906	191,329	200,961	206,956	209,400	217,764	220,866	216,499
Service	6,099,399	6,697,972	7,178,367	7,467,690	7,808,238	7,942,208	8,248,166	8,630,545	8,429,509	8,619,350	8,545,496	8,652,170	8,908,645	8,972,652
Construction	442,797	500,140	511,431	527,801	546,166	559,221	592,208	658,141	629,633	633,293	613,538	729,119	784,753	770,589
Wholesale and retail trade; repair of motor vehicles and motorcycles	21,551	22,974	23,749	21,625	21,810	21,761	22,968	23,117	22,234	22,813	17,765	16,961	17,462	17,557
Transportation and storage	3,175,432	3,524,509	3,713,583	4,009,914	4,201,209	4,279,805	4,481,133	4,571,273	4,606,078	4,735,816	4,569,094	4,457,034	4,461,647	4,544,566
Accommodation and food service activities	442,971	388,053	439,137	459,346	475,172	484,858	512,418	527,611	505,022	498,607	522,457	479,697	460,052	459,794
Information and communication	233,282	218,880	299,010	241,364	261,624	283,479	305,230	284,316	299,387	306,122	309,889	323,332	335,124	332,687
Financial and insurance activities	75,174	79,502	81,529	70,075	75,019	75,404	74,497	71,561	70,067	71,487	72,789	77,759	81,480	81,598
Real estate activities	582,232	654,851	699,040	670,065	677,992	722,314	673,794	638,834	531,287	539,551	557,227	622,830	716,939	705,559
Professional, scientific and technical activities	5,494	5,961	6,556	6,685	6,881	7,045	7,125	7,398	7,265	7,745	8,048	8,169	8,191	8,249
Administrative and support service activities	18,498	20,723	23,289	24,269	24,842	24,031	23,908	23,833	25,168	26,065	27,208	28,068	28,192	28,305
Public administration and defence; compulsory social security	488,640	532,563	567,801	611,124	648,835	647,814	635,001	658,544	693,063	711,697	738,657	748,869	771,980	770,409
Education	185,063	200,592	224,275	233,370	245,223	236,883	242,372	240,958	225,142	232,167	240,513	254,378	262,867	264,968
Human health and social work activities	327,503	364,500	388,147	406,059	421,683	395,283	427,397	591,837	557,520	567,724	574,803	603,228	657,643	666,235
Arts, entertainment and recreation	10,472	11,732	12,044	8,288	9,783	9,569	11,780	14,820	12,808	13,373	14,338	14,295	14,440	14,367
Other service activities	159,488	170,537	179,739	171,816	186,332	193,520	195,578	272,973	206,782	213,771	231,287	238,549	251,794	251,920
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9,579,886	10,443,582	11,112,335	11,626,378	12,115,545	12,318,051	12,723,124	13,174,290	12,860,088	13,067,482	12,999,522	13,313,725	13,650,926	13,724,116

TABLE 6-1 GROWTH RATE OF GROSS CAPITAL STOCK OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	0.2	3.2	5.2	9.9	3.6	0.8	4.8	0.6	-9.6	4.5	2.6	5.7	2.4	0.6
Agriculture, forestry and fishing	0.2	3.2	5.2	9.9	3.6	0.8	4.8	0.6	-9.6	4.5	2.6	5.7	2.4	0.6
None Agriculture	-0.6	9.9	6.6	3.8	4.3	1.8	3.0	4.0	-1.3	1.2	-1.0	1.9	2.5	0.5
Industrial	-3.3	10.3	5.1	3.2	3.6	2.1	0.8	2.2	1.7	-1.7	-1.2	4.0	1.3	-0.0
Mining and quarrying	2.3	2.6	8.4	14.5	5.9	3.0	-0.9	-3.4	-0.7	2.8	9.9	2.7	5.6	0.5
Manufacturing	2.5	7.3	-2.8	7.5	5.2	2.7	4.2	2.3	-1.9	-18.6	-23.7	9.4	8.8	-0.3
Electricity, gas, steam and air conditioning supply	-6.2	14.1	6.6	2.1	3.5	2.0	0.2	2.5	2.1	0.4	1.0	3.6	0.3	0.2
Water supply; sewerage, waste management and remediation activities	12.7	-12.5	2.8	2.6	0.9	1.9	1.7	1.3	5.0	3.0	1.2	4.0	1.4	-2.0
Service	0.4	9.8	7.2	4.0	4.6	1.7	3.9	4.6	-2.3	2.3	-0.9	1.2	3.0	0.7
Construction	-7.9	13.0	2.3	3.2	3.5	2.4	11.5	5.5	-4.3	0.6	-3.1	18.8	7.6	-1.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	-4.7	6.6	3.4	-8.9	0.9	-0.2	5.5	0.6	-3.8	2.6	-22.1	-4.5	3.0	0.5
Transportation and storage	0.8	11.0	5.4	8.0	4.8	1.9	4.7	2.0	0.8	2.8	-3.5	-2.5	0.1	1.9
Accommodation and food service activities	-0.6	5.1	13.2	4.6	3.4	2.0	5.7	3.0	-4.3	-1.3	4.8	-8.2	-4.1	-0.1
Information and communication	3.8	-6.2	36.6	-19.3	8.4	8.4	7.7	-6.9	5.3	2.2	1.2	4.3	3.6	-0.7
Financial and insurance activities	3.4	5.8	2.5	-14.0	7.1	0.5	-1.2	-3.9	-2.1	2.0	1.8	6.8	4.8	0.1
Real estate activities	8.0	12.5	6.7	-4.1	1.2	6.5	-6.7	-5.2	-16.8	1.6	3.3	11.8	15.1	-1.6
Professional, scientific and technical activities	-1.5	8.5	10.0	2.0	2.9	2.4	1.1	3.8	-1.8	6.6	3.9	1.5	0.3	0.7
Administrative and support service activities	-3.4	12.0	12.4	4.2	2.4	-3.3	-0.5	-0.3	5.6	3.6	4.4	3.2	0.4	0.4
Public administration and defence; compulsory social security	4.6	9.0	6.6	7.6	6.2	-0.2	-2.0	3.7	5.2	2.7	3.8	1.4	3.1	-0.2
Education	-4.2	8.4	11.8	4.1	5.1	-3.4	2.3	-0.6	-6.6	3.1	3.6	5.8	3.3	0.8
Human health and social work activities	-6.3	11.3	6.5	4.6	3.8	-6.3	8.1	38.5	-5.8	1.8	1.2	4.9	9.0	1.3
Arts, entertainment and recreation	3.3	12.0	2.7	-31.2	18.0	-2.2	23.1	25.8	-13.6	4.4	7.2	-0.3	1.0	-0.5
Other service activities	-4.4	6.9	5.4	-4.4	8.4	3.9	1.1	39.6	-24.2	3.4	8.2	3.1	5.6	0.1
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-0.5	9.0	6.4	4.6	4.2	1.7	3.3	3.5	-2.4	1.6	-0.5	2.4	2.5	0.5

TABLE 7 NET CAPITAL STOCK OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,937,787	2,218,249	2,258,642	2,451,272	2,644,884	2,762,499	2,849,773	2,833,022	2,768,015	2,974,634	3,033,192	2,947,371	2,998,294	3,112,557
Agriculture, forestry and fishing	1,937,787	2,218,249	2,258,642	2,451,272	2,644,884	2,762,499	2,849,773	2,833,022	2,768,015	2,974,634	3,033,192	2,947,371	2,998,294	3,112,557
None Agriculture	23,847,242	25,619,515	28,126,333	30,101,129	31,311,397	32,094,162	32,980,284	33,269,347	34,313,147	35,291,242	35,783,097	35,515,101	35,986,417	36,907,724
Industrial	6,756,059.7	7,390,155.3	7,912,345.3	8,484,368.1	8,773,223.3	9,015,990.6	9,314,184.2	9,465,752.5	9,874,878	10,335,662	10,422,230	10,410,381	10,656,486	10,865,984
Mining and quarrying	347,008	384,507	418,811	464,088	483,357	506,418	524,036	541,333	582,859	651,304	656,145	659,297	667,324	674,380
Manufacturing	4,407,283	4,777,641	5,122,102	5,480,278	5,616,248	5,792,050	5,964,506	6,032,752	6,342,875	6,660,171	6,698,477	6,668,621	6,882,675	7,023,182
Electricity, gas, steam and air conditioning supply	1,786,134	2,033,549	2,165,151	2,324,779	2,459,289	2,499,804	2,604,394	2,659,760	2,699,346	2,761,150	2,800,679	2,811,600	2,834,579	2,895,915
Water supply; sewerage, waste management and remediation activities	215,635	194,458	206,281	215,223	214,329	217,719	221,249	231,908	249,797	263,037	266,928	270,863	271,907	272,507
Service	17,091,182	18,229,360	20,213,988	21,616,761	22,538,174	23,078,172	23,666,100	23,803,595	24,438,269	24,955,580	25,360,868	25,104,720	25,329,931	26,041,740
Construction	825,815	895,220	950,116	993,997	1,018,513	1,058,736	1,116,306	1,171,843	1,196,062	1,270,358	1,305,233	1,321,709	1,350,575	1,355,713
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,757,374	1,879,058	2,038,833	2,191,495	2,312,288	2,368,457	2,432,955	2,429,222	2,585,968	2,678,410	2,710,935	2,626,159	2,665,535	2,723,073
Transportation and storage	5,015,038	5,287,182	5,677,982	5,994,924	6,302,833	6,437,102	6,709,383	6,624,069	7,108,062	7,305,826	7,273,137	7,127,001	7,065,596	7,432,433
Accommodation and food service activities	875,534	902,344	1,005,402	1,097,607	1,150,393	1,188,327	1,235,867	1,264,687	1,235,332	1,336,309	1,403,678	1,267,068	1,248,431	1,329,727
Information and communication	405,115	377,615	401,637	470,102	568,237	653,865	708,234	691,888	729,760	745,115	752,848	782,579	795,297	818,037
Financial and insurance activities	310,958	339,001	375,722	397,152	415,736	425,852	439,883	441,526	481,029	502,445	511,961	530,260	541,731	561,197
Real estate activities	5,492,795	5,904,575	6,703,114	7,126,936	7,359,953	7,487,026	7,459,345	7,572,007	7,346,167	7,228,129	7,347,506	7,355,980	7,487,509	7,570,891
Professional, scientific and technical activities	13,849	14,884	15,401	15,907	16,564	17,228	18,425	19,322	19,164	20,300	20,772	20,286	20,382	20,990
Administrative and support service activities	18,290	19,008	19,047	22,031	23,207	25,073	27,720	28,108	29,979	32,343	32,676	29,984	30,181	30,827
Public administration and defence; compulsory social security	362,229	409,007	467,446	494,574	529,596	532,271	552,832	537,165	584,212	601,584	615,187	630,011	646,296	655,761
Education	477,457	522,406	599,197	651,850	669,170	686,447	705,199	725,201	765,562	802,294	863,293	873,374	881,182	897,150
Human health and social work activities	925,286	1,025,039	1,238,764	1,314,123	1,319,266	1,358,639	1,416,074	1,428,475	1,469,723	1,497,157	1,542,088	1,608,183	1,658,635	1,690,415
Arts, entertainment and recreation	14,671	14,997	14,917	19,542	21,429	21,651	22,425	22,237	21,802	24,676	24,981	23,475	23,627	24,173
Other service activities	596,772	639,023	706,409	826,521	830,991	817,498	821,452	847,845	865,448	910,632	956,573	908,652	914,954	931,355
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25,785,029	27,837,764	30,384,975	32,552,401	33,956,282	34,856,662	35,830,057	36,102,369	37,081,163	38,265,876	38,816,290	38,462,472	38,984,712	40,020,281

TABLE 7-1 GROWTH RATE OF NET CAPITAL STOCK OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	0.4	14.5	1.8	8.5	7.9	4.4	3.2	-0.6	-2.3	7.5	2.0	-2.8	1.7	3.8
Agriculture, forestry and fishing	0.4	14.5	1.8	8.5	7.9	4.4	3.2	-0.6	-2.3	7.5	2.0	-2.8	1.7	3.8
None Agriculture	-1.7	7.4	9.8	7.0	4.0	2.5	2.8	0.9	3.1	2.9	1.4	-0.7	1.3	2.6
Industrial	-0.1	9.4	7.1	7.2	3.4	2.8	3.3	1.6	4.3	4.7	0.8	-0.1	2.4	2.0
Mining and quarrying	0.4	10.8	8.9	10.8	4.2	4.8	3.5	3.3	7.7	11.7	0.7	0.5	1.2	1.1
Manufacturing	2.1	8.4	7.2	7.0	2.5	3.1	3.0	1.1	5.1	5.0	0.6	-0.4	3.2	2.0
Electricity, gas, steam and air conditioning supply	-6.8	13.9	6.5	7.4	5.8	1.6	4.2	2.1	1.5	2.3	1.4	0.4	0.8	2.2
Water supply; sewerage, waste management and remediation activities	15.9	-9.8	6.1	4.3	-0.4	1.6	1.6	4.8	7.7	5.3	1.5	1.5	0.4	0.2
Service	-2.4	6.7	10.9	6.9	4.3	2.4	2.5	0.6	2.7	2.1	1.6	-1.0	0.9	2.8
Construction	3.4	8.4	6.1	4.6	2.5	3.9	5.4	5.0	2.1	6.2	2.7	1.3	2.2	0.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	-1.4	6.9	8.5	7.5	5.5	2.4	2.7	-0.2	6.5	3.6	1.2	-3.1	1.5	2.2
Transportation and storage	0.9	5.4	7.4	5.6	5.1	2.1	4.2	-1.3	7.3	2.8	-0.4	-2.0	-0.9	5.2
Accommodation and food service activities	3.9	3.1	11.4	9.2	4.8	3.3	4.0	2.3	-2.3	8.2	5.0	-9.7	-1.5	6.5
Information and communication	11.1	-6.8	6.4	17.0	20.9	15.1	8.3	-2.3	5.5	2.1	1.0	3.9	1.6	2.9
Financial and insurance activities	-1.3	9.0	10.8	5.7	4.7	2.4	3.3	0.4	8.9	4.5	1.9	3.6	2.2	3.6
Real estate activities	-8.2	7.5	13.5	6.3	3.3	1.7	-0.4	1.5	-3.0	-1.6	1.7	0.1	1.8	1.1
Professional, scientific and technical activities	0.5	7.5	3.5	3.3	4.1	4.0	7.0	4.9	-0.8	5.9	2.3	-2.3	0.5	3.0
Administrative and support service activities	4.6	3.9	0.2	15.7	5.3	8.0	10.6	1.4	6.7	7.9	1.0	-8.2	0.7	2.1
Public administration and defence; compulsory social security	-0.2	12.9	14.3	5.8	7.1	0.5	3.9	-2.8	8.8	3.0	2.3	2.4	2.6	1.5
Education	0.2	9.4	14.7	8.8	2.7	2.6	2.7	2.8	5.6	4.8	7.6	1.2	0.9	1.8
Human health and social work activities	-3.9	10.8	20.9	6.1	0.4	3.0	4.2	0.9	2.9	1.9	3.0	4.3	3.1	1.9
Arts, entertainment and recreation	8.3	2.2	-0.5	31.0	9.7	1.0	3.6	-0.8	-2.0	13.2	1.2	-6.0	0.6	2.3
Other service activities	-1.8	7.1	10.5	17.0	0.5	-1.6	0.5	3.2	2.1	5.2	5.0	-5.0	0.7	1.8
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-1.6	8.0	9.2	7.1	4.3	2.7	2.8	0.8	2.7	3.2	1.4	-0.9	1.4	2.7

TABLE 8 NET CAPITAL STOCK OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,768,975	1,797,236	1,886,110	1,991,979	2,042,642	2,055,790	2,060,838	2,142,999	2,192,830	2,261,670	2,284,280	2,256,496	2,288,438	2,321,318
Agriculture, forestry and fishing	1,768,975	1,797,236	1,886,110	1,991,979	2,042,642	2,055,790	2,060,838	2,142,999	2,192,830	2,261,670	2,284,280	2,256,496	2,288,438	2,321,318
None Agriculture	19,730,124	20,342,416	20,458,081	21,426,818	21,914,494	22,226,220	22,643,724	23,299,735	23,755,779	24,493,526	24,825,021	24,600,406	24,735,197	24,864,009
Industrial	5,548,367.0	5,759,005.0	5,937,658.0	6,263,462.0	6,448,263.0	6,415,724.0	6,458,989.0	6,670,825.0	6,881,973	7,162,671	7,165,559	7,148,404	7,270,376	7,274,868
Mining and quarrying	342,862	362,536	348,952	403,448	426,069	444,284	448,659	445,383	461,334	472,690	474,427	474,550	479,355	479,119
Manufacturing	3,485,499	3,573,466	3,650,780	3,866,084	3,976,809	3,905,399	3,970,544	4,148,922	4,277,856	4,499,998	4,497,759	4,471,593	4,597,292	4,613,107
Electricity, gas, steam and air conditioning supply	1,537,655	1,629,749	1,740,278	1,790,951	1,869,800	1,869,038	1,837,263	1,860,742	1,917,633	1,953,973	1,956,898	1,966,280	1,957,350	1,948,831
Water supply; sewerage, waste management and remediation activities	162,622	176,474	178,634	181,779	180,723	182,620	184,042	190,752	200,154	206,480	207,228	207,553	205,834	201,346
Service	14,173,535	14,574,557	14,507,731	15,152,009	15,456,760	15,792,574	16,163,514	16,607,447	16,852,728	17,309,825	17,638,232	17,430,411	17,442,190	17,566,703
Construction	625,160	673,475	684,709	694,234	714,655	710,387	775,121	856,972	868,814	890,837	911,034	922,070	934,035	922,795
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,435,873	1,468,662	1,531,594	1,571,833	1,569,395	1,529,372	1,586,417	1,612,072	1,633,350	1,689,669	1,720,557	1,636,132	1,640,050	1,644,187
Transportation and storage	4,060,193	4,151,272	4,297,929	4,395,680	4,591,141	4,627,382	4,722,352	4,659,761	4,894,251	4,919,230	4,882,277	4,700,324	4,655,940	4,783,676
Accommodation and food service activities	671,199	715,757	735,216	745,004	779,937	798,503	851,397	912,339	897,015	907,371	949,329	855,017	837,219	868,763
Information and communication	309,357	318,201	328,634	356,722	385,308	423,085	446,231	474,485	519,212	524,303	528,345	529,049	530,528	534,556
Financial and insurance activities	256,974	270,848	289,003	300,389	313,262	312,770	306,001	319,436	333,408	339,144	347,473	361,932	364,537	370,758
Real estate activities	4,906,910	4,990,276	4,449,776	4,759,290	4,726,663	5,103,429	5,071,539	5,165,084	5,052,763	5,343,613	5,474,288	5,598,359	5,631,175	5,573,157
Professional, scientific and technical activities	10,294	11,270	12,428	12,698	12,904	13,096	13,113	13,431	13,431	13,856	13,996	13,620	13,495	13,599
Administrative and support service activities	14,976	15,868	17,028	19,192	19,604	19,840	20,911	21,117	22,424	23,734	25,698	25,994	25,905	25,918
Public administration and defence; compulsory social security	284,628	288,604	312,071	342,838	358,668	349,074	337,793	336,566	348,979	345,105	358,597	377,333	381,638	380,332
Education	358,782	366,219	376,235	394,897	408,358	397,969	408,550	437,261	462,680	476,255	514,377	513,558	512,216	513,408
Human health and social work activities	675,200	694,977	764,109	800,680	805,702	763,067	841,941	913,864	922,809	931,067	950,377	964,760	983,989	986,921
Arts, entertainment and recreation	12,122	12,775	14,168	16,601	18,774	17,778	18,887	19,777	18,869	20,400	20,704	20,067	20,090	20,297
Other service activities	517,248	553,702	605,697	633,643	655,473	606,146	622,783	714,666	710,173	727,624	785,080	774,342	775,519	780,715
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	21,488,312	22,130,851	22,333,863	23,405,997	23,943,431	24,269,494	24,693,972	25,430,782	25,935,881	26,741,986	27,096,558	26,844,795	27,009,731	27,169,417

TABLE 8-1 GROWTH RATE OF NET CAPITAL STOCK OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	5.4	1.6	4.9	5.6	2.5	0.6	0.2	4.0	2.3	3.1	1.0	-1.2	1.4	1.4
Agriculture, forestry and fishing	5.4	1.6	4.9	5.6	2.5	0.6	0.2	4.0	2.3	3.1	1.0	-1.2	1.4	1.4
None Agriculture	2.0	3.1	0.6	4.7	2.3	1.4	1.9	2.9	2.0	3.1	1.4	-0.9	0.5	0.5
Industrial	1.4	3.8	3.1	5.5	3.0	-0.5	0.7	3.3	3.2	4.1	0.0	-0.2	1.7	0.1
Mining and quarrying	4.1	5.7	-3.7	15.6	5.6	4.3	1.0	-0.7	3.6	2.5	0.4	0.0	1.0	-0.0
Manufacturing	-1.8	2.5	2.2	5.9	2.9	-1.8	1.7	4.5	3.1	5.2	-0.0	-0.6	2.8	0.3
Electricity, gas, steam and air conditioning supply	7.0	6.0	6.8	2.9	3.0	1.4	-1.7	1.3	3.1	1.9	0.1	0.5	-0.5	-0.4
Water supply; sewerage, waste management and remediation activities	11.0	8.5	1.2	1.8	-0.6	1.0	0.8	3.6	4.9	3.2	0.4	0.2	-0.8	-2.2
Service	2.2	2.8	-0.5	4.4	2.0	2.2	2.3	2.7	1.5	2.7	1.9	-1.2	0.1	0.7
Construction	-2.3	7.7	1.7	1.4	2.9	-0.6	9.1	10.6	1.4	2.5	2.3	1.2	1.3	-1.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	-3.6	2.3	4.3	2.6	-0.2	-2.6	3.7	1.6	1.3	3.4	1.8	-4.9	0.2	0.3
Transportation and storage	1.5	2.2	3.5	2.3	4.4	0.8	2.1	-1.3	5.0	0.5	-0.8	-3.7	-0.9	2.7
Accommodation and food service activities	0.5	6.6	2.7	1.3	4.7	2.4	6.6	7.2	-1.7	1.2	4.6	-9.9	-2.1	3.8
Information and communication	5.2	2.9	3.3	8.5	8.0	9.8	5.5	6.3	9.4	1.0	0.8	0.1	0.3	0.8
Financial and insurance activities	1.8	5.4	6.7	3.9	4.3	-0.2	-2.2	4.4	4.4	1.7	2.5	4.2	0.7	1.7
Real estate activities	6.2	1.7	-10.8	7.0	-0.7	8.0	-0.6	1.8	-2.2	5.8	2.4	2.3	0.6	-1.0
Professional, scientific and technical activities	-2.2	9.5	10.3	2.2	1.6	1.5	0.1	2.4	0.0	3.2	1.0	-2.7	-0.9	0.8
Administrative and support service activities	1.9	6.0	7.3	12.7	2.1	1.2	5.4	1.0	6.2	5.8	8.3	1.2	-0.3	0.1
Public administration and defence; compulsory social security	3.9	1.4	8.1	9.9	4.6	-2.7	-3.2	-0.4	3.7	-1.1	3.9	5.2	1.1	-0.3
Education	-3.7	2.1	2.7	5.0	3.4	-2.5	2.7	7.0	5.8	2.9	8.0	-0.2	-0.3	0.2
Human health and social work activities	-2.2	2.9	9.9	4.8	0.6	-5.3	10.3	8.5	1.0	0.9	2.1	1.5	2.0	0.3
Arts, entertainment and recreation	4.7	5.4	10.9	17.2	13.1	-5.3	6.2	4.7	-4.6	8.1	1.5	-3.1	0.1	1.0
Other service activities	3.4	7.0	9.4	4.6	3.4	-7.5	2.7	14.8	-0.6	2.5	7.9	-1.4	0.2	0.7
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2.2	3.0	0.9	4.8	2.3	1.4	1.7	3.0	2.0	3.1	1.3	-0.9	0.6	0.6

TABLE 9 NET CAPITAL STOCK OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	891,983	1,025,763	1,034,187	1,114,936	1,189,881	1,252,324	1,292,173	1,351,975	1,497,275	1,609,337	1,642,170	1,476,633	1,481,157	1,559,391
Agriculture, forestry and fishing	891,983	1,025,763	1,034,187	1,114,936	1,189,881	1,252,324	1,292,173	1,351,975	1,497,275	1,609,337	1,642,170	1,476,633	1,481,157	1,559,391
None Agriculture	17,186,076	18,276,231	19,994,172	21,428,914	22,239,565	22,790,907	23,310,991	23,437,218	24,540,895	25,322,247	25,851,490	25,351,666	25,590,132	26,346,989
Industrial	5,119,692.2	5,505,134.7	5,910,804.2	6,353,422.6	6,543,483.2	6,743,254.1	6,986,143.4	7,072,019.6	7,483,113	7,941,903	8,057,807	7,969,937	8,181,942	8,360,299
Mining and quarrying	292,660	324,386	351,776	388,693	404,120	424,160	439,582	454,590	493,705	551,681	549,220	551,199	553,879	559,426
Manufacturing	4,167,218	4,512,768	4,853,090	5,196,838	5,322,968	5,478,527	5,636,816	5,702,097	6,017,613	6,391,899	6,495,647	6,446,689	6,648,664	6,792,119
Electricity, gas, steam and air conditioning supply	588,506	603,675	637,724	696,720	745,519	768,570	836,581	838,643	886,692	911,340	924,670	887,895	896,331	924,414
Water supply; sewerage, waste management and remediation activities	71,308	64,305	68,215	71,172	70,876	71,997	73,165	76,690	85,103	86,984	88,270	84,154	83,068	84,341
Service	12,066,384	12,771,096	14,083,367	15,075,491	15,696,081	16,047,653	16,324,847	16,365,198	17,057,782	17,380,343	17,793,683	17,381,729	17,408,191	17,986,690
Construction	431,951	451,621	478,811	510,189	525,390	537,912	559,716	608,761	645,263	700,158	745,484	663,432	650,423	660,435
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,741,734	1,862,372	2,020,667	2,172,100	2,291,616	2,347,046	2,410,888	2,407,650	2,564,349	2,656,019	2,693,694	2,609,614	2,648,476	2,705,754
Transportation and storage	2,355,915	2,409,686	2,541,010	2,583,752	2,746,081	2,805,354	2,875,642	2,774,226	3,152,354	3,240,061	3,298,295	3,235,658	3,193,649	3,452,291
Accommodation and food service activities	598,637	613,558	639,898	701,480	752,771	778,604	812,718	838,449	827,623	908,637	954,445	824,355	803,990	884,348
Information and communication	223,328	215,577	172,351	283,631	334,538	387,284	417,681	434,070	464,784	474,564	479,722	490,677	490,619	512,827
Financial and insurance activities	255,020	277,093	307,687	325,002	338,708	347,291	358,615	364,140	402,453	420,371	428,537	440,646	447,822	466,158
Real estate activities	5,019,041	5,381,843	6,118,603	6,495,561	6,702,636	6,819,258	6,793,449	6,931,264	6,803,358	6,701,271	6,804,599	6,753,525	6,810,638	6,897,914
Professional, scientific and technical activities	9,107	9,787	10,127	10,460	10,892	11,328	12,116	12,706	12,794	13,349	13,659	13,339	13,382	13,802
Administrative and support service activities	4,680	4,154	2,899	4,256	4,415	5,549	7,083	7,694	8,184	8,829	8,920	7,586	7,633	7,768
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	326,337	354,055	396,884	433,408	442,147	457,208	470,798	500,200	555,002	581,631	625,853	624,725	622,555	633,352
Human health and social work activities	632,822	695,130	847,686	893,893	887,431	918,793	969,034	880,084	941,960	959,543	988,864	1,014,345	1,019,563	1,037,763
Arts, entertainment and recreation	6,993	6,697	5,853	11,245	12,115	12,044	10,850	8,487	9,671	10,946	11,081	10,389	10,480	10,964
Other service activities	460,821	489,524	540,891	650,513	647,342	619,982	626,259	597,468	669,987	704,966	740,531	693,438	688,960	703,313
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	18,078,059	19,301,994	21,028,359	22,543,850	23,429,445	24,043,230	24,603,163	24,789,192	26,038,170	26,931,583	27,493,660	26,828,299	27,071,290	27,906,380

TABLE 9-1 GROWTH RATE OF NET CAPITAL STOCK OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	3.2	15.0	0.8	7.8	6.7	5.2	3.2	4.6	10.7	7.5	2.0	-10.1	0.3	5.3
Agriculture, forestry and fishing	3.2	15.0	0.8	7.8	6.7	5.2	3.2	4.6	10.7	7.5	2.0	-10.1	0.3	5.3
None Agriculture	-1.7	6.3	9.4	7.2	3.8	2.5	2.3	0.5	4.7	3.2	2.1	-1.9	0.9	3.0
Industrial	1.3	7.5	7.4	7.5	3.0	3.1	3.6	1.2	5.8	6.1	1.5	-1.1	2.7	2.2
Mining and quarrying	0.9	10.8	8.4	10.5	4.0	5.0	3.6	3.4	8.6	11.7	-0.4	0.4	0.5	1.0
Manufacturing	1.9	8.3	7.5	7.1	2.4	2.9	2.9	1.2	5.5	6.2	1.6	-0.8	3.1	2.2
Electricity, gas, steam and air conditioning supply	-4.5	2.6	5.6	9.3	7.0	3.1	8.8	0.2	5.7	2.8	1.5	-4.0	1.0	3.1
Water supply; sewerage, waste management and remediation activities	15.9	-9.8	6.1	4.3	-0.4	1.6	1.6	4.8	11.0	2.2	1.5	-4.7	-1.3	1.5
Service	-2.9	5.8	10.3	7.0	4.1	2.2	1.7	0.2	4.2	1.9	2.4	-2.3	0.2	3.3
Construction	10.3	4.6	6.0	6.6	3.0	2.4	4.1	8.8	6.0	8.5	6.5	-11.0	-2.0	1.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	-1.4	6.9	8.5	7.5	5.5	2.4	2.7	-0.1	6.5	3.6	1.4	-3.1	1.5	2.2
Transportation and storage	3.0	2.3	5.4	1.7	6.3	2.2	2.5	-3.5	13.6	2.8	1.8	-1.9	-1.3	8.1
Accommodation and food service activities	4.3	2.5	4.3	9.6	7.3	3.4	4.4	3.2	-1.3	9.8	5.0	-13.6	-2.5	10.0
Information and communication	9.0	-3.5	-20.1	64.6	17.9	15.8	7.8	3.9	7.1	2.1	1.1	2.3	-0.0	4.5
Financial and insurance activities	-1.3	8.7	11.0	5.6	4.2	2.5	3.3	1.5	10.5	4.5	1.9	2.8	1.6	4.1
Real estate activities	-8.3	7.2	13.7	6.2	3.2	1.7	-0.4	2.0	-1.8	-1.5	1.5	-0.8	0.8	1.3
Professional, scientific and technical activities	0.5	7.5	3.5	3.3	4.1	4.0	7.0	4.9	0.7	4.3	2.3	-2.3	0.3	3.1
Administrative and support service activities	24.0	-11.2	-30.2	46.8	3.7	25.7	27.6	8.6	6.4	7.9	1.0	-15.0	0.6	1.8
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0.5	8.5	12.1	9.2	2.0	3.4	3.0	6.2	11.0	4.8	7.6	-0.2	-0.3	1.7
Human health and social work activities	-3.5	9.8	21.9	5.5	-0.7	3.5	5.5	-9.2	7.0	1.9	3.1	2.6	0.5	1.8
Arts, entertainment and recreation	10.7	-4.2	-12.6	92.1	7.7	-0.6	-9.9	-21.8	13.9	13.2	1.2	-6.2	0.9	4.6
Other service activities	-1.9	6.2	10.5	20.3	-0.5	-4.2	1.0	-4.6	12.1	5.2	5.0	-6.4	-0.6	2.1
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-1.5	6.8	8.9	7.2	3.9	2.6	2.3	0.8	5.0	3.4	2.1	-2.4	0.9	3.1

TABLE 10 NET CAPITAL STOCK OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	814,277	831,078	863,612	906,032	918,944	931,951	934,445	1,022,681	1,186,145	1,223,608	1,236,708	1,130,504	1,130,488	1,162,980
Agriculture, forestry and fishing	814,277	831,078	863,612	906,032	918,944	931,951	934,445	1,022,681	1,186,145	1,223,608	1,236,708	1,130,504	1,130,488	1,162,980
None Agriculture	14,296,112	14,559,783	14,365,600	15,111,826	15,398,849	15,648,566	15,934,153	16,366,528	16,934,812	17,645,585	18,022,893	17,676,963	17,702,090	17,874,853
Industrial	4,156,006.0	4,234,935.0	4,338,832.0	4,614,524.0	4,756,515.0	4,708,251.0	4,786,987.0	4,957,660.0	5,159,199	5,448,268	5,490,004	5,422,231	5,538,870	5,562,672
Mining and quarrying	289,162	305,849	293,098	337,903	356,222	372,117	376,352	374,013	390,766	400,385	397,112	396,741	397,863	397,447
Manufacturing	3,295,646	3,375,355	3,459,043	3,666,132	3,769,142	3,694,001	3,752,404	3,921,521	4,058,489	4,318,740	4,361,569	4,322,781	4,440,021	4,461,338
Electricity, gas, steam and air conditioning supply	506,635	483,803	512,580	536,734	558,936	574,639	590,163	586,706	629,911	644,924	646,087	620,945	618,939	622,092
Water supply; sewerage, waste management and remediation activities	53,778	58,359	59,073	60,113	59,764	60,391	60,861	63,080	68,191	68,281	68,528	64,484	62,882	62,316
Service	10,134,140	10,318,693	10,012,627	10,484,010	10,631,100	10,920,342	11,126,646	11,388,007	11,754,244	12,175,088	12,511,764	12,232,808	12,137,512	12,287,127
Construction	326,996	339,755	345,059	356,329	368,647	360,926	388,645	445,188	468,716	490,984	520,336	462,832	449,821	449,538
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,423,095	1,455,622	1,517,950	1,557,925	1,555,368	1,515,549	1,572,031	1,597,760	1,619,698	1,675,546	1,709,617	1,625,827	1,629,556	1,633,732
Transportation and storage	1,907,357	1,891,984	1,923,409	1,894,494	2,000,314	2,016,659	2,024,000	1,951,554	2,170,551	2,181,629	2,214,063	2,133,946	2,104,484	2,221,969
Accommodation and food service activities	458,926	486,687	467,937	476,134	510,362	523,190	559,890	604,856	600,967	616,979	645,509	556,277	539,172	577,783
Information and communication	170,540	181,658	141,024	215,225	226,843	250,594	263,166	297,679	330,688	333,931	336,669	331,716	327,285	335,116
Financial and insurance activities	210,746	221,385	236,670	245,817	255,221	255,071	249,468	263,449	278,947	283,746	290,853	300,766	301,345	307,970
Real estate activities	4,483,690	4,548,488	4,061,757	4,337,666	4,304,526	4,648,256	4,618,804	4,728,016	4,679,416	4,954,119	5,069,795	5,139,855	5,122,118	5,077,760
Professional, scientific and technical activities	6,769	7,410	8,171	8,348	8,484	8,610	8,621	8,830	8,964	9,109	9,201	8,954	8,858	8,940
Administrative and support service activities	3,832	3,468	2,592	3,708	3,730	4,391	5,343	5,780	6,121	6,479	7,015	6,576	6,551	6,531
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	245,225	248,202	249,203	262,563	269,818	265,067	272,752	301,596	335,424	345,265	372,902	367,347	361,879	362,444
Human health and social work activities	461,785	471,301	522,882	544,641	541,974	516,034	576,151	563,034	591,440	596,732	609,431	608,514	604,859	605,882
Arts, entertainment and recreation	5,777	5,704	5,559	9,552	10,613	9,889	9,138	7,548	8,369	9,048	9,183	8,880	8,910	9,205
Other service activities	399,415	424,164	463,777	498,709	510,614	459,696	474,798	503,619	549,782	563,292	607,772	590,941	583,967	589,558
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15,108,301	15,388,583	15,226,268	16,015,086	16,315,508	16,578,382	16,867,490	17,384,804	18,107,073	18,856,231	19,247,396	18,801,303	18,826,542	19,029,832

TABLE 10-1 GROWTH RATE OF NET CAPITAL STOCK OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	8.3	2.1	3.9	4.9	1.4	1.4	0.3	9.4	16.0	3.2	1.1	-8.6	-0.0	2.9
Agriculture, forestry and fishing	8.3	2.1	3.9	4.9	1.4	1.4	0.3	9.4	16.0	3.2	1.1	-8.6	-0.0	2.9
None Agriculture	2.1	1.8	-1.3	5.2	1.9	1.6	1.8	2.7	3.5	4.2	2.1	-1.9	0.1	1.0
Industrial	-0.0	1.9	2.5	6.4	3.1	-1.0	1.7	3.6	4.1	5.6	0.8	-1.2	2.2	0.4
Mining and quarrying	4.6	5.8	-4.2	15.3	5.4	4.5	1.1	-0.6	4.5	2.5	-0.8	-0.1	0.3	-0.1
Manufacturing	-2.0	2.4	2.5	6.0	2.8	-2.0	1.6	4.5	3.5	6.4	1.0	-0.9	2.7	0.5
Electricity, gas, steam and air conditioning supply	9.7	-4.5	5.9	4.7	4.1	2.8	2.7	-0.6	7.4	2.4	0.2	-3.9	-0.3	0.5
Water supply; sewerage, waste management and remediation activities	11.0	8.5	1.2	1.8	-0.6	1.0	0.8	3.6	8.1	0.1	0.4	-5.9	-2.5	-0.9
Service	3.0	1.8	-3.0	4.7	1.4	2.7	1.9	2.3	3.2	3.6	2.8	-2.2	-0.8	1.2
Construction	4.2	3.9	1.6	3.3	3.5	-2.1	7.7	14.5	5.3	4.8	6.0	-11.1	-2.8	-0.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	-3.6	2.3	4.3	2.6	-0.2	-2.6	3.7	1.6	1.4	3.4	2.0	-4.9	0.2	0.3
Transportation and storage	3.5	-0.8	1.7	-1.5	5.6	0.8	0.4	-3.6	11.2	0.5	1.5	-3.6	-1.4	5.6
Accommodation and food service activities	0.9	6.0	-3.9	1.8	7.2	2.5	7.0	8.0	-0.6	2.7	4.6	-13.8	-3.1	7.2
Information and communication	3.2	6.5	-22.4	52.6	5.4	10.5	5.0	13.1	11.1	1.0	0.8	-1.5	-1.3	2.4
Financial and insurance activities	1.8	5.0	6.9	3.9	3.8	-0.1	-2.2	5.6	5.9	1.7	2.5	3.4	0.2	2.2
Real estate activities	6.0	1.4	-10.7	6.8	-0.8	8.0	-0.6	2.4	-1.0	5.9	2.3	1.4	-0.3	-0.9
Professional, scientific and technical activities	-2.2	9.5	10.3	2.2	1.6	1.5	0.1	2.4	1.5	1.6	1.0	-2.7	-1.1	0.9
Administrative and support service activities	20.8	-9.5	-25.3	43.1	0.6	17.7	21.7	8.2	5.9	5.8	8.3	-6.3	-0.4	-0.3
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	-3.5	1.2	0.4	5.4	2.8	-1.8	2.9	10.6	11.2	2.9	8.0	-1.5	-1.5	0.2
Human health and social work activities	-1.8	2.1	10.9	4.2	-0.5	-4.8	11.6	-2.3	5.0	0.9	2.1	-0.2	-0.6	0.2
Arts, entertainment and recreation	7.0	-1.3	-2.5	71.8	11.1	-6.8	-7.6	-17.4	10.9	8.1	1.5	-3.3	0.3	3.3
Other service activities	3.3	6.2	9.3	7.5	2.4	-10.0	3.3	6.1	9.2	2.5	7.9	-2.8	-1.2	1.0
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2.4	1.9	-1.1	5.2	1.9	1.6	1.7	3.1	4.2	4.1	2.1	-2.3	0.1	1.1

TABLE 11 NET CAPITAL STOCK OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1,045,804	1,192,487	1,224,455	1,336,335	1,455,004	1,510,175	1,557,600	1,481,047	1,270,741	1,365,298	1,391,022	1,470,738	1,517,137	1,553,166
Agriculture, forestry and fishing	1,045,804	1,192,487	1,224,455	1,336,335	1,455,004	1,510,175	1,557,600	1,481,047	1,270,741	1,365,298	1,391,022	1,470,738	1,517,137	1,553,166
None Agriculture	6,661,166	7,343,284	8,132,162	8,672,216	9,071,833	9,303,256	9,669,294	9,832,130	9,772,252	9,968,995	9,931,607	10,163,435	10,396,285	10,560,735
Industrial	1,636,367.5	1,885,020.6	2,001,541.1	2,130,945.4	2,229,740.2	2,272,736.5	2,328,040.8	2,393,733.0	2,391,765	2,393,759	2,364,423	2,440,444	2,474,544	2,505,685
Mining and quarrying	54,348	60,122	67,035	75,396	79,237	82,257	84,454	86,743	89,154	99,623	106,925	108,098	113,445	114,955
Manufacturing	240,065	264,872	269,013	283,440	293,280	313,524	327,690	330,655	325,263	268,272	202,830	221,932	234,011	231,063
Electricity, gas, steam and air conditioning supply	1,197,628	1,429,874	1,527,427	1,628,059	1,713,770	1,731,234	1,767,813	1,821,116	1,812,654	1,849,810	1,876,010	1,923,705	1,938,249	1,971,501
Water supply; sewerage, waste management and remediation activities	144,327	130,153	138,066	144,051	143,453	145,721	148,084	155,219	164,694	176,053	178,658	186,709	188,840	188,166
Service	5,024,798	5,458,263	6,130,621	6,541,270	6,842,093	7,030,519	7,341,253	7,438,397	7,380,487	7,575,236	7,567,184	7,722,991	7,921,741	8,055,050
Construction	393,864	443,600	471,305	483,808	493,123	520,824	556,590	563,082	550,798	570,200	559,749	658,277	700,152	695,277
Wholesale and retail trade; repair of motor vehicles and motorcycles	15,641	16,686	18,166	19,395	20,672	21,411	22,067	21,571	21,619	22,392	17,242	16,545	17,059	17,319
Transportation and storage	2,659,124	2,877,496	3,136,971	3,411,172	3,556,751	3,631,749	3,833,742	3,849,843	3,955,707	4,065,765	3,974,842	3,891,343	3,871,947	3,980,142
Accommodation and food service activities	276,896	288,786	365,504	396,126	397,622	409,723	423,148	426,237	407,709	427,672	449,233	442,714	444,441	445,379
Information and communication	181,787	162,038	229,287	186,471	233,699	266,581	290,553	257,818	264,976	270,551	273,126	291,902	304,678	305,209
Financial and insurance activities	55,938	61,908	68,036	72,151	77,028	78,561	81,268	82,074	78,576	82,074	83,424	89,614	93,909	95,039
Real estate activities	473,754	522,732	584,512	631,375	657,317	667,768	665,896	640,743	542,808	526,858	542,907	602,455	676,871	672,976
Professional, scientific and technical activities	4,742	5,097	5,274	5,447	5,672	5,899	6,309	6,617	6,371	6,951	7,113	6,946	7,000	7,188
Administrative and support service activities	13,610	14,854	16,148	17,775	18,792	19,525	20,637	20,414	21,795	23,514	23,756	22,398	22,549	23,059
Public administration and defence; compulsory social security	362,229	409,007	467,446	494,574	529,596	532,271	552,832	537,165	584,212	601,584	615,187	630,011	646,296	655,761
Education	151,120	168,350	202,313	218,441	227,023	229,239	234,401	225,001	210,560	220,663	237,440	248,650	258,627	263,798
Human health and social work activities	292,464	329,909	391,078	420,230	431,835	439,846	447,041	548,392	527,763	537,614	553,224	593,838	639,072	652,652
Arts, entertainment and recreation	7,678	8,300	9,063	8,297	9,314	9,607	11,574	13,749	12,131	13,730	13,900	13,085	13,146	13,208
Other service activities	135,951	149,499	165,519	176,008	183,649	197,516	195,193	250,377	195,461	205,666	216,042	215,214	225,994	228,042
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7,706,970	8,535,770	9,356,617	10,008,551	10,526,836	10,813,431	11,226,894	11,313,177	11,042,993	11,334,293	11,322,629	11,634,173	11,913,422	12,113,901

TABLE 11-1 GROWTH RATE OF NET CAPITAL STOCK OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	-1.8	14.0	2.7	9.1	8.9	3.8	3.1	-4.9	-14.2	7.4	1.9	5.7	3.2	2.4
Agriculture, forestry and fishing	-1.8	14.0	2.7	9.1	8.9	3.8	3.1	-4.9	-14.2	7.4	1.9	5.7	3.2	2.4
None Agriculture	-1.9	10.2	10.7	6.6	4.6	2.6	3.9	1.7	-0.6	2.0	-0.4	2.3	2.3	1.6
Industrial	-4.2	15.2	6.2	6.5	4.6	1.9	2.4	2.8	-0.1	0.1	-1.2	3.2	1.4	1.3
Mining and quarrying	-2.1	10.6	11.5	12.5	5.1	3.8	2.7	2.7	2.8	11.7	7.3	1.1	4.9	1.3
Manufacturing	6.0	10.3	1.6	5.4	3.5	6.9	4.5	0.9	-1.6	-17.5	-24.4	9.4	5.4	-1.3
Electricity, gas, steam and air conditioning supply	-7.9	19.4	6.8	6.6	5.3	1.0	2.1	3.0	-0.5	2.0	1.4	2.5	0.8	1.7
Water supply; sewerage, waste management and remediation activities	15.9	-9.8	6.1	4.3	-0.4	1.6	1.6	4.8	6.1	6.9	1.5	4.5	1.1	-0.4
Service	-1.1	8.6	12.3	6.7	4.6	2.8	4.4	1.3	-0.8	2.6	-0.1	2.1	2.6	1.7
Construction	-3.1	12.6	6.2	2.7	1.9	5.6	6.9	1.2	-2.2	3.5	-1.8	17.6	6.4	-0.7
Wholesale and retail trade; repair of motor vehicles and motorcycles	-4.0	6.7	8.9	6.8	6.6	3.6	3.1	-2.2	0.2	3.6	-23.0	-4.0	3.1	1.5
Transportation and storage	-0.8	8.2	9.0	8.7	4.3	2.1	5.6	0.4	2.7	2.8	-2.2	-2.1	-0.5	2.8
Accommodation and food service activities	3.1	4.3	26.6	8.4	0.4	3.0	3.3	0.7	-4.3	4.9	5.0	-1.5	0.4	0.2
Information and communication	13.9	-10.9	41.5	-18.7	25.3	14.1	9.0	-11.3	2.8	2.1	1.0	6.9	4.4	0.2
Financial and insurance activities	-1.4	10.7	9.9	6.0	6.8	2.0	3.4	-4.8	1.5	4.5	1.6	7.4	4.8	1.2
Real estate activities	-6.6	10.3	11.8	8.0	4.1	1.6	-0.3	-3.8	-15.3	-2.9	3.0	11.0	12.4	-0.6
Professional, scientific and technical activities	0.5	7.5	3.5	3.3	4.1	4.0	7.0	4.9	-3.7	9.1	2.3	-2.3	0.8	2.7
Administrative and support service activities	-0.8	9.1	8.7	10.1	5.7	3.9	5.7	-1.1	6.8	7.9	1.0	-5.7	0.7	2.3
Public administration and defence; compulsory social security	-0.2	12.9	14.3	5.8	7.1	0.5	3.9	-2.8	8.8	3.0	2.3	2.4	2.6	1.5
Education	-0.3	11.4	20.2	8.0	3.9	1.0	2.3	-4.0	-6.4	4.8	7.6	4.7	4.0	2.0
Human health and social work activities	-4.8	12.8	18.5	7.5	2.8	1.9	1.6	22.7	-3.8	1.9	2.9	7.3	7.6	2.1
Arts, entertainment and recreation	6.3	8.1	9.2	-8.5	12.3	3.1	20.5	18.8	-11.8	13.2	1.2	-5.9	0.5	0.5
Other service activities	-1.6	10.0	10.7	6.3	4.3	7.6	-1.2	28.3	-21.9	5.2	5.0	-0.4	5.0	0.9
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-1.9	10.8	9.6	7.0	5.2	2.7	3.8	0.8	-2.4	2.6	-0.1	2.8	2.4	1.7

TABLE 12 NET CAPITAL STOCK OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	954,697	966,157	1,022,497	1,085,946	1,123,697	1,123,837	1,126,390	1,120,315	1,006,683	1,038,060	1,047,569	1,125,990	1,157,948	1,158,336
Agriculture, forestry and fishing	954,697	966,157	1,022,497	1,085,946	1,123,697	1,123,837	1,126,390	1,120,315	1,006,683	1,038,060	1,047,569	1,125,990	1,157,948	1,158,336
None Agriculture	5,428,398	5,773,186	6,079,342	6,298,560	6,500,541	6,561,265	6,693,101	6,916,630	6,802,234	6,827,016	6,783,308	6,901,077	7,008,740	6,966,712
Industrial	1,384,667.0	1,519,427.0	1,595,353.0	1,642,046.0	1,684,297.0	1,701,009.0	1,662,115.0	1,702,380.0	1,711,001	1,699,193	1,658,966	1,711,252	1,715,591	1,695,779
Mining and quarrying	53,701	56,688	55,855	65,546	69,847	72,167	72,308	71,370	70,567	72,304	77,314	77,809	81,492	81,672
Manufacturing	189,855	198,113	191,739	199,954	207,669	211,399	218,141	227,402	219,368	181,260	136,192	148,814	156,273	151,770
Electricity, gas, steam and air conditioning supply	1,031,018	1,145,944	1,227,695	1,254,214	1,284,862	1,294,398	1,247,099	1,274,035	1,287,721	1,309,048	1,310,810	1,345,334	1,338,410	1,326,738
Water supply; sewerage, waste management and remediation activities	108,845	118,117	119,563	121,668	120,961	122,231	123,183	127,674	131,966	138,202	138,703	143,072	142,955	139,032
Service	4,039,627	4,251,732	4,481,698	4,653,243	4,812,069	4,856,109	5,021,120	5,203,414	5,081,178	5,117,053	5,112,222	5,178,366	5,280,533	5,258,025
Construction	298,163	333,719	339,648	337,902	346,005	349,458	386,472	411,780	400,094	399,849	390,694	459,233	484,209	473,251
Wholesale and retail trade; repair of motor vehicles and motorcycles	12,779	13,041	13,646	13,910	14,030	13,825	14,388	14,314	13,654	14,125	10,942	10,307	10,496	10,457
Transportation and storage	2,152,836	2,259,288	2,374,520	2,501,186	2,590,827	2,610,723	2,698,352	2,708,207	2,723,700	2,737,601	2,668,213	2,566,377	2,551,455	2,561,706
Accommodation and food service activities	212,274	229,072	267,282	268,874	269,579	275,317	291,511	307,487	296,052	290,396	303,824	298,744	298,051	290,985
Information and communication	138,818	136,543	187,610	141,497	158,465	172,491	183,066	176,807	188,525	190,374	191,678	197,335	203,245	199,443
Financial and insurance activities	46,227	49,462	52,332	54,571	58,041	57,700	56,534	55,988	54,463	55,400	56,622	61,168	63,194	62,789
Real estate activities	423,221	441,789	388,020	421,625	422,138	455,175	452,736	437,069	373,348	389,495	404,494	458,504	509,056	495,396
Professional, scientific and technical activities	3,525	3,859	4,255	4,347	4,418	4,484	4,490	4,599	4,465	4,745	4,793	4,664	4,635	4,657
Administrative and support service activities	11,142	12,398	14,433	15,482	15,872	15,447	15,566	15,335	16,300	17,252	18,679	19,414	19,350	19,383
Public administration and defence; compulsory social security	284,628	288,604	312,071	342,838	358,668	349,074	337,793	336,566	348,979	345,105	358,597	377,333	381,638	380,332
Education	113,559	118,019	127,033	132,335	138,541	132,903	135,799	135,666	127,257	130,991	141,476	146,212	150,337	150,964
Human health and social work activities	213,419	223,680	241,231	256,043	263,732	247,037	265,794	350,835	331,374	334,339	340,950	356,250	379,134	381,043
Arts, entertainment and recreation	6,345	7,071	8,610	7,050	8,162	7,890	9,751	12,232	10,502	11,354	11,523	11,188	11,181	11,093
Other service activities	117,835	129,539	141,921	134,934	144,859	146,450	147,985	211,047	160,392	164,333	177,309	183,401	191,551	191,156
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6,377,067	6,737,535	7,099,803	7,379,970	7,619,285	7,680,754	7,815,968	8,034,934	7,812,749	7,865,958	7,830,345	8,021,604	8,159,710	8,117,359

TABLE 12-1 GROWTH RATE OF NET CAPITAL STOCK OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	3.0	1.2	5.8	6.2	3.5	0.0	0.2	-0.5	-10.1	3.1	0.9	7.5	2.8	0.0
Agriculture, forestry and fishing	3.0	1.2	5.8	6.2	3.5	0.0	0.2	-0.5	-10.1	3.1	0.9	7.5	2.8	0.0
None Agriculture	1.6	6.4	5.3	3.6	3.2	0.9	2.0	3.3	-1.7	0.4	-0.6	1.7	1.6	-0.6
Industrial	5.5	9.7	5.0	2.9	2.6	1.0	-2.3	2.4	0.5	-0.7	-2.4	3.2	0.3	-1.2
Mining and quarrying	1.5	5.6	-1.5	17.4	6.6	3.3	0.2	-1.3	-1.1	2.5	6.9	0.6	4.7	0.2
Manufacturing	1.9	4.3	-3.2	4.3	3.9	1.8	3.2	4.2	-3.5	-17.4	-24.9	9.3	5.0	-2.9
Electricity, gas, steam and air conditioning supply	5.8	11.1	7.1	2.2	2.4	0.7	-3.7	2.2	1.1	1.7	0.1	2.6	-0.5	-0.9
Water supply; sewerage, waste management and remediation activities	11.0	8.5	1.2	1.8	-0.6	1.0	0.8	3.6	3.4	4.7	0.4	3.1	-0.1	-2.7
Service	0.3	5.3	5.4	3.8	3.4	0.9	3.4	3.6	-2.3	0.7	-0.1	1.3	2.0	-0.4
Construction	-8.5	11.9	1.8	-0.5	2.4	1.0	10.6	6.5	-2.8	-0.1	-2.3	17.5	5.4	-2.3
Wholesale and retail trade; repair of motor vehicles and motorcycles	-6.1	2.1	4.6	1.9	0.9	-1.5	4.1	-0.5	-4.6	3.4	-22.5	-5.8	1.8	-0.4
Transportation and storage	-0.3	4.9	5.1	5.3	3.6	0.8	3.4	0.4	0.6	0.5	-2.5	-3.8	-0.6	0.4
Accommodation and food service activities	-0.3	7.9	16.7	0.6	0.3	2.1	5.9	5.5	-3.7	-1.9	4.6	-1.7	-0.2	-2.4
Information and communication	7.9	-1.6	37.4	-24.6	12.0	8.9	6.1	-3.4	6.6	1.0	0.7	3.0	3.0	-1.9
Financial and insurance activities	1.8	7.0	5.8	4.3	6.4	-0.6	-2.0	-1.0	-2.7	1.7	2.2	8.0	3.3	-0.6
Real estate activities	8.0	4.4	-12.2	8.7	0.1	7.8	-0.5	-3.5	-14.6	4.3	3.9	13.4	11.0	-2.7
Professional, scientific and technical activities	-2.2	9.5	10.3	2.2	1.6	1.5	0.1	2.4	-2.9	6.3	1.0	-2.7	-0.6	0.5
Administrative and support service activities	-3.3	11.3	16.4	7.3	2.5	-2.7	0.8	-1.5	6.3	5.8	8.3	3.9	-0.3	0.2
Public administration and defence; compulsory social security	3.9	1.4	8.1	9.9	4.6	-2.7	-3.2	-0.4	3.7	-1.1	3.9	5.2	1.1	-0.3
Education	-4.2	3.9	7.6	4.2	4.7	-4.1	2.2	-0.1	-6.2	2.9	8.0	3.3	2.8	0.4
Human health and social work activities	-3.1	4.8	7.8	6.1	3.0	-6.3	7.6	32.0	-5.5	0.9	2.0	4.5	6.4	0.5
Arts, entertainment and recreation	2.7	11.4	21.8	-18.1	15.8	-3.3	23.6	25.4	-14.1	8.1	1.5	-2.9	-0.1	-0.8
Other service activities	3.6	9.9	9.6	-4.9	7.4	1.1	1.0	42.6	-24.0	2.5	7.9	3.4	4.4	-0.2
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1.8	5.7	5.4	3.9	3.2	0.8	1.8	2.8	-2.8	0.7	-0.5	2.4	1.7	-0.5

TABLE 13 ANNUAL DEPRECIATION OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	148,020	172,855	184,727	190,956	223,286	227,351	247,261	250,197	242,872	244,372	246,642	249,240	252,207	256,352
Agriculture, forestry and fishing	148,020	172,855	184,727	190,956	223,286	227,351	247,261	250,197	242,872	244,372	246,642	249,240	252,207	256,352
None Agriculture	1,854,956	1,791,406	2,159,520	2,160,722	2,425,422	2,385,881	2,641,302	2,580,084	2,700,887	2,744,986	2,764,927	2,787,065	2,836,218	2,873,679
Industrial	674,802.6	609,510.1	787,432.4	742,659.9	853,413.9	818,725.7	909,897.5	896,632.9	938,613	952,123	954,826	961,776	979,746	991,110
Mining and quarrying	31,046	28,678	43,603	38,097	40,790	42,073	45,639	43,020	42,581	42,411	44,302	45,080	45,879	46,442
Manufacturing	383,169	321,746	448,689	407,311	493,454	459,929	528,607	510,300	534,644	540,500	545,081	549,516	561,410	565,641
Electricity, gas, steam and air conditioning supply	230,342	229,229	262,087	264,093	285,266	283,536	299,833	308,784	325,681	333,790	329,755	331,261	335,488	341,294
Water supply; sewerage, waste management and remediation activities	30,245	29,857	33,054	33,159	33,903	33,188	35,818	34,529	35,707	35,423	35,689	35,919	36,969	37,734
Service	1,180,153	1,181,896	1,372,088	1,418,062	1,572,008	1,567,156	1,731,405	1,683,451	1,762,274	1,792,862	1,810,101	1,825,290	1,856,471	1,882,569
Construction	53,880	53,624	62,357	66,082	68,337	71,080	83,768	77,267	85,934	86,063	86,923	89,227	91,863	92,971
Wholesale and retail trade; repair of motor vehicles and motorcycles	162,241	171,087	185,899	210,710	228,848	236,759	254,771	245,951	269,288	272,051	274,076	273,220	277,112	281,932
Transportation and storage	346,114	351,210	435,795	428,711	477,827	484,493	533,518	551,339	559,241	568,189	571,064	573,576	580,797	583,812
Accommodation and food service activities	104,756	105,481	112,758	110,294	114,689	114,982	133,163	119,155	125,573	126,254	128,286	129,454	130,121	131,139
Information and communication	47,471	47,535	60,013	59,027	69,661	73,171	91,279	97,079	101,619	101,973	102,868	103,734	105,908	108,437
Financial and insurance activities	33,850	33,982	36,336	40,449	45,823	45,470	48,817	50,096	52,381	53,750	54,063	55,327	56,756	57,808
Real estate activities	225,535	206,837	259,743	260,566	314,667	279,616	282,502	278,500	290,796	299,009	304,165	308,093	315,780	321,596
Professional, scientific and technical activities	1,602	1,375	1,641	1,411	1,589	1,829	2,022	1,981	2,059	2,090	2,240	2,317	2,349	2,359
Administrative and support service activities	2,804	2,946	3,048	3,292	3,443	3,397	3,755	3,962	4,120	4,479	4,505	4,437	4,484	4,518
Public administration and defence; compulsory social security	27,240	29,267	22,270	39,979	42,909	45,209	42,173	33,963	33,842	39,392	39,445	40,048	40,788	41,631
Education	47,671	53,231	56,731	49,385	51,385	53,310	60,660	59,153	63,769	65,623	66,522	67,599	68,232	69,941
Human health and social work activities	90,334	87,802	91,894	101,828	104,094	107,143	131,718	112,928	118,905	117,833	119,285	120,990	124,187	127,700
Arts, entertainment and recreation	1,803	1,964	2,110	1,411	1,589	1,568	2,022	1,981	2,354	2,389	2,370	2,359	2,388	2,419
Other service activities	34,852	35,553	41,493	44,917	47,147	49,129	61,238	50,096	52,392	53,768	54,288	54,907	55,706	56,847
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2,002,976	1,964,261	2,344,247	2,351,678	2,648,708	2,613,232	2,888,563	2,830,281	2,943,759	2,989,358	3,011,569	3,036,305	3,088,424	3,130,031

TABLE 13-1 GROWTH RATE OF ANNUAL DEPRECIATION OF THAILAND AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	12.0	16.8	6.9	3.4	16.9	1.8	8.8	1.2	-2.9	0.6	0.9	1.1	1.2	1.6
Agriculture, forestry and fishing	12.0	16.8	6.9	3.4	16.9	1.8	8.8	1.2	-2.9	0.6	0.9	1.1	1.2	1.6
None Agriculture	10.6	-3.4	20.5	0.1	12.3	-1.6	10.7	-2.3	4.7	1.6	0.7	0.8	1.8	1.3
Industrial	10.8	-9.7	29.2	-5.7	14.9	-4.1	11.1	-1.5	4.7	1.4	0.3	0.7	1.9	1.2
Mining and quarrying	15.1	-7.6	52.0	-12.6	7.1	3.1	8.5	-5.7	-1.0	-0.4	4.5	1.8	1.8	1.2
Manufacturing	10.6	-16.0	39.5	-9.2	21.1	-6.8	14.9	-3.5	4.8	1.1	0.8	0.8	2.2	0.8
Electricity, gas, steam and air conditioning supply	11.5	-0.5	14.3	0.8	8.0	-0.6	5.7	3.0	5.5	2.5	-1.2	0.5	1.3	1.7
Water supply; sewerage, waste management and remediation activities	3.8	-1.3	10.7	0.3	2.2	-2.1	7.9	-3.6	3.4	-0.8	0.8	0.6	2.9	2.1
Service	10.4	0.1	16.1	3.4	10.9	-0.3	10.5	-2.8	4.7	1.7	1.0	0.8	1.7	1.4
Construction	6.3	-0.5	16.3	6.0	3.4	4.0	17.9	-7.8	11.2	0.1	1.0	2.7	3.0	1.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	2.0	5.5	8.7	13.3	8.6	3.5	7.6	-3.5	9.5	1.0	0.7	-0.3	1.4	1.5
Transportation and storage	8.1	1.5	24.1	-1.6	11.5	1.4	10.1	3.3	1.4	1.6	0.5	0.4	1.3	0.5
Accommodation and food service activities	4.3	0.7	6.9	-2.2	4.0	0.3	15.8	-10.5	5.4	0.5	1.6	0.9	0.5	0.8
Information and communication	2.5	0.1	26.2	-1.6	18.0	5.0	24.7	6.4	4.7	0.3	0.9	0.8	2.1	2.4
Financial and insurance activities	5.7	0.4	6.9	11.3	13.3	-0.8	7.4	2.6	4.6	2.6	0.6	2.3	2.6	1.9
Real estate activities	30.9	-8.3	25.6	0.3	20.8	-11.1	1.0	-1.4	4.4	2.8	1.7	1.3	2.5	1.8
Professional, scientific and technical activities	10.7	-14.2	19.3	-14.0	12.6	15.1	10.5	-2.0	3.9	1.5	7.2	3.4	1.4	0.4
Administrative and support service activities	3.3	5.1	3.4	8.0	4.6	-1.3	10.5	5.5	4.0	8.7	0.6	-1.5	1.0	0.8
Public administration and defence; compulsory social security	9.1	7.4	-23.9	79.5	7.3	5.4	-6.7	-19.5	-0.4	16.4	0.1	1.5	1.8	2.1
Education	5.8	11.7	6.6	-12.9	4.0	3.7	13.8	-2.5	7.8	2.9	1.4	1.6	0.9	2.5
Human health and social work activities	15.8	-2.8	4.7	10.8	2.2	2.9	22.9	-14.3	5.3	-0.9	1.2	1.4	2.6	2.8
Arts, entertainment and recreation	10.7	9.0	7.4	-33.1	12.6	-1.3	29.0	-2.0	18.8	1.5	-0.8	-0.5	1.2	1.3
Other service activities	3.5	2.0	16.7	8.3	5.0	4.2	24.6	-18.2	4.6	2.6	1.0	1.1	1.5	2.0
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	10.7	-1.9	19.3	0.3	12.6	-1.3	10.5	-2.0	4.0	1.5	0.7	0.8	1.7	1.3

TABLE 14 ANNUAL DEPRECIATION OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	95,806	101,463	104,401	112,713	116,557	120,198	122,420	125,557	130,361	134,657	139,967	144,100	145,173	144,220
Agriculture, forestry and fishing	95,806	101,463	104,401	112,713	116,557	120,198	122,420	125,557	130,361	134,657	139,967	144,100	145,173	144,220
None Agriculture	1,350,417	1,376,344	1,445,582	1,492,514	1,545,614	1,591,109	1,633,183	1,674,845	1,719,494	1,763,637	1,811,584	1,836,622	1,854,365	1,840,603
Industrial	530,779.0	537,538.0	577,295.0	588,142.0	591,236.0	611,025.0	615,636.0	623,298.0	664,994	687,901	707,630	720,089	728,176	721,917
Mining and quarrying	26,569	28,585	32,229	32,657	34,385	36,731	38,140	38,455	36,342	37,581	39,452	40,182	40,814	40,861
Manufacturing	325,817	329,998	331,304	333,713	339,567	351,451	343,507	350,912	383,295	396,606	407,379	413,237	420,240	416,190
Electricity, gas, steam and air conditioning supply	153,517	153,630	179,891	187,203	183,075	188,458	197,103	197,678	207,373	214,629	220,738	225,636	225,746	223,786
Water supply; sewerage, waste management and remediation activities	24,694	25,634	26,465	26,705	27,164	27,262	28,867	27,801	27,889	28,607	29,424	30,115	30,634	30,509
Service	821,348	840,154	872,169	907,331	954,018	980,009	1,015,598	1,048,479	1,053,959	1,076,091	1,104,493	1,117,552	1,127,424	1,119,755
Construction	44,106	45,324	46,220	48,155	50,750	52,916	55,648	59,955	61,972	63,627	66,205	68,913	70,375	70,104
Wholesale and retail trade; repair of motor vehicles and motorcycles	132,504	141,521	155,424	173,113	183,277	175,827	184,822	185,612	194,958	200,487	208,825	208,775	209,161	208,468
Transportation and storage	266,382	266,744	267,906	274,145	293,369	304,827	319,339	331,159	331,966	335,973	339,707	341,588	345,324	338,919
Accommodation and food service activities	83,023	83,989	89,383	90,705	95,810	100,317	104,954	103,432	105,789	108,428	112,290	112,964	112,902	110,941
Information and communication	35,232	33,637	36,786	39,716	42,528	42,626	44,942	47,267	51,275	52,767	54,295	54,637	55,041	55,172
Financial and insurance activities	27,604	29,364	30,898	31,276	32,276	32,845	33,211	33,839	34,819	35,215	37,126	38,253	38,690	38,702
Real estate activities	88,722	91,640	94,210	96,322	97,967	102,420	103,058	94,016	91,057	93,084	95,736	96,686	97,841	97,455
Professional, scientific and technical activities	1,076	1,131	1,137	1,195	1,336	1,458	1,419	1,355	1,375	1,430	1,482	1,602	1,601	1,573
Administrative and support service activities	2,206	2,268	2,346	2,494	2,586	2,693	2,777	3,032	3,189	3,391	3,640	3,697	3,700	3,653
Public administration and defence; compulsory social security	20,511	21,824	21,952	22,888	22,034	23,414	22,032	21,153	21,512	22,729	22,900	23,448	23,565	23,615
Education	35,958	37,222	38,875	39,499	41,848	43,519	44,543	47,903	50,876	51,564	52,677	53,680	53,581	54,076
Human health and social work activities	60,791	61,441	62,008	63,639	67,522	67,940	71,476	80,112	80,202	82,637	85,124	88,568	89,893	90,983
Arts, entertainment and recreation	1,745	1,861	2,062	2,189	2,369	2,553	2,732	2,878	2,970	3,114	3,272	3,356	3,381	3,379
Other service activities	23,093	23,562	25,664	28,139	29,880	32,472	33,925	50,896	34,812	35,026	36,025	36,903	37,265	37,621
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,446,478	1,478,509	1,550,110	1,606,195	1,663,148	1,712,354	1,756,449	1,801,274	1,851,140	1,899,776	1,953,326	1,982,836	2,001,631	1,986,916

TABLE 14-1 GROWTH RATE OF ANNUAL DEPRECIATION OF THAILAND : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	3.2	5.9	2.9	8.0	3.4	3.1	1.8	2.6	3.8	3.3	3.9	3.0	0.7	-0.7
Agriculture, forestry and fishing	3.2	5.9	2.9	8.0	3.4	3.1	1.8	2.6	3.8	3.3	3.9	3.0	0.7	-0.7
None Agriculture	3.0	1.9	5.0	3.2	3.6	2.9	2.6	2.6	2.7	2.6	2.7	1.4	1.0	-0.7
Industrial	5.5	1.3	7.4	1.9	0.5	3.3	0.8	1.2	6.7	3.4	2.9	1.8	1.1	-0.9
Mining and quarrying	8.1	7.6	12.7	1.3	5.3	6.8	3.8	0.8	-5.5	3.4	5.0	1.9	1.6	0.1
Manufacturing	5.3	1.3	0.4	0.7	1.8	3.5	-2.3	2.2	9.2	3.5	2.7	1.4	1.7	-1.0
Electricity, gas, steam and air conditioning supply	5.9	0.1	17.1	4.1	-2.2	2.9	4.6	0.3	4.9	3.5	2.8	2.2	0.0	-0.9
Water supply; sewerage, waste management and remediation activities	3.4	3.8	3.2	0.9	1.7	0.4	5.9	-3.7	0.3	2.6	2.9	2.3	1.7	-0.4
Service	1.5	2.3	3.8	4.0	5.1	2.7	3.6	3.2	0.5	2.1	2.6	1.2	0.9	-0.7
Construction	-2.6	2.8	2.0	4.2	5.4	4.3	5.2	7.7	3.4	2.7	4.1	4.1	2.1	-0.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	-1.8	6.8	9.8	11.4	5.9	-4.1	5.1	0.4	5.0	2.8	4.2	-0.0	0.2	-0.3
Transportation and storage	7.2	0.1	0.4	2.3	7.0	3.9	4.8	3.7	0.2	1.2	1.1	0.6	1.1	-1.9
Accommodation and food service activities	3.2	1.2	6.4	1.5	5.6	4.7	4.6	-1.5	2.3	2.5	3.6	0.6	-0.1	-1.7
Information and communication	0.9	-4.5	9.4	8.0	7.1	0.2	5.4	5.2	8.5	2.9	2.9	0.6	0.7	0.2
Financial and insurance activities	6.9	6.4	5.2	1.2	3.2	1.8	1.1	1.9	2.9	1.1	5.4	3.0	1.1	0.0
Real estate activities	-7.4	3.3	2.8	2.2	1.7	4.5	0.6	-8.8	-3.1	2.2	2.8	1.0	1.2	-0.4
Professional, scientific and technical activities	0.3	5.1	0.5	5.1	11.8	9.1	-2.7	-4.5	1.5	4.0	3.6	8.1	-0.1	-1.7
Administrative and support service activities	4.5	2.8	3.4	6.3	3.7	4.1	3.1	9.2	5.2	6.3	7.3	1.6	0.1	-1.3
Public administration and defence; compulsory social security	6.6	6.4	0.6	4.3	-3.7	6.3	-5.9	-4.0	1.7	5.7	0.8	2.4	0.5	0.2
Education	-2.7	3.5	4.4	1.6	5.9	4.0	2.4	7.5	6.2	1.4	2.2	1.9	-0.2	0.9
Human health and social work activities	5.4	1.1	0.9	2.6	6.1	0.6	5.2	12.1	0.1	3.0	3.0	4.0	1.5	1.2
Arts, entertainment and recreation	5.5	6.6	10.8	6.2	8.2	7.8	7.0	5.3	3.2	4.8	5.1	2.6	0.7	-0.1
Other service activities	-1.4	2.0	8.9	9.6	6.2	8.7	4.5	50.0	-31.6	0.6	2.9	2.4	1.0	1.0
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	3.0	2.2	4.8	3.6	3.5	3.0	2.6	2.6	2.8	2.6	2.8	1.5	0.9	-0.7

TABLE 15 ANNUAL DEPRECIATION OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	104,413	122,416	134,112	137,679	156,256	158,259	172,069	174,612	169,500	170,792	189,273	192,338	194,199	197,616
Agriculture, forestry and fishing	104,413	122,416	134,112	137,679	156,256	158,259	172,069	174,612	169,500	170,792	189,273	192,338	194,199	197,616
None Agriculture	1,446,145	1,372,107	1,698,510	1,582,268	1,846,765	1,766,895	2,011,738	2,042,409	2,150,174	2,163,998	2,184,636	2,200,500	2,239,380	2,269,175
Industrial	475,736.5	410,078.2	555,861.0	501,506.8	611,690.7	563,583.9	654,865.5	644,433.1	675,511	683,621	682,666	686,705	701,358	708,241
Mining and quarrying	28,392	26,215	40,215	33,834	36,544	37,390	41,016	40,026	39,618	39,446	41,400	42,110	42,897	43,439
Manufacturing	372,441	310,292	437,965	391,548	478,355	442,682	510,317	498,154	521,919	527,961	531,836	535,789	547,386	551,454
Electricity, gas, steam and air conditioning supply	64,772	63,817	65,220	64,941	83,868	72,188	89,950	91,968	99,202	101,539	94,669	93,987	95,918	97,869
Water supply; sewerage, waste management and remediation activities	10,132	9,754	12,461	11,184	12,924	11,324	13,582	14,285	14,772	14,676	14,761	14,820	15,157	15,478
Service	970,408	962,029	1,142,649	1,080,761	1,235,074	1,203,311	1,356,872	1,397,975	1,474,663	1,480,377	1,501,970	1,513,795	1,538,021	1,560,934
Construction	39,866	38,266	47,429	43,846	47,323	47,112	57,507	62,702	69,736	69,814	70,982	72,453	74,593	75,513
Wholesale and retail trade; repair of motor vehicles and motorcycles	161,462	170,249	185,099	209,383	227,544	235,291	253,319	244,968	268,211	270,854	272,952	272,073	275,920	280,171
Transportation and storage	246,122	244,653	319,612	252,425	306,622	295,250	341,825	389,466	400,640	391,255	399,345	401,377	405,849	408,073
Accommodation and food service activities	87,544	86,473	93,330	82,775	89,515	87,812	104,480	101,282	106,737	107,518	109,146	110,010	110,952	111,411
Information and communication	35,750	36,160	43,479	42,842	51,466	50,546	67,738	80,779	84,558	83,445	84,157	84,917	85,637	87,899
Financial and insurance activities	30,533	30,451	33,520	35,150	40,429	39,791	43,144	46,163	48,269	49,117	49,641	50,669	51,750	52,767
Real estate activities	214,100	197,570	246,392	245,974	295,566	267,900	267,868	269,755	281,665	290,816	293,614	297,334	304,753	310,398
Professional, scientific and technical activities	1,323	1,116	1,366	1,081	1,243	1,407	1,586	1,691	1,757	1,787	1,885	1,938	1,965	1,971
Administrative and support service activities	844	888	631	680	703	699	1,033	1,037	1,078	1,191	1,207	1,185	1,196	1,200
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	46,704	52,021	55,518	48,476	50,505	52,355	59,549	58,297	62,847	64,674	65,560	66,615	67,208	68,870
Human health and social work activities	74,733	72,314	77,890	79,100	82,661	83,378	105,572	95,537	100,593	100,182	102,859	104,076	106,801	109,709
Arts, entertainment and recreation	903	926	1,006	715	833	934	1,163	1,053	1,251	1,280	1,275	1,267	1,287	1,296
Other service activities	30,523	30,942	37,377	38,314	40,664	40,836	52,089	45,247	47,321	48,445	49,347	49,883	50,609	51,657
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,550,558	1,494,523	1,832,622	1,719,947	2,003,021	1,925,154	2,183,807	2,217,021	2,319,674	2,334,790	2,373,709	2,392,439	2,433,579	2,466,792

TABLE 15-1 GROWTH RATE OF ANNUAL DEPRECIATION OF PRIVATE SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	12.9	17.2	9.6	2.7	13.5	1.3	8.7	1.5	-2.9	0.8	10.8	1.6	1.0	1.8
Agriculture, forestry and fishing	12.9	17.2	9.6	2.7	13.5	1.3	8.7	1.5	-2.9	0.8	10.8	1.6	1.0	1.8
None Agriculture	11.1	-5.1	23.8	-6.8	16.7	-4.3	13.9	1.5	5.3	0.6	1.0	0.7	1.8	1.3
Industrial	10.8	-13.8	35.6	-9.8	22.0	-7.9	16.2	-1.6	4.8	1.2	-0.1	0.6	2.1	1.0
Mining and quarrying	15.4	-7.7	53.4	-15.9	8.0	2.3	9.7	-2.4	-1.0	-0.4	5.0	1.7	1.9	1.3
Manufacturing	10.6	-16.7	41.1	-10.6	22.2	-7.5	15.3	-2.4	4.8	1.2	0.7	0.7	2.2	0.7
Electricity, gas, steam and air conditioning supply	10.8	-1.5	2.2	-0.4	29.1	-13.9	24.6	2.2	7.9	2.4	-6.8	-0.7	2.1	2.0
Water supply; sewerage, waste management and remediation activities	3.6	-3.7	27.8	-10.2	15.6	-12.4	19.9	5.2	3.4	-0.7	0.6	0.4	2.3	2.1
Service	11.3	-0.9	18.8	-5.4	14.3	-2.6	12.8	3.0	5.5	0.4	1.5	0.8	1.6	1.5
Construction	8.8	-4.0	23.9	-7.6	7.9	-0.4	22.1	9.0	11.2	0.1	1.7	2.1	3.0	1.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	2.0	5.4	8.7	13.1	8.7	3.4	7.7	-3.3	9.5	1.0	0.8	-0.3	1.4	1.5
Transportation and storage	9.9	-0.6	30.6	-21.0	21.5	-3.7	15.8	13.9	2.9	-2.3	2.1	0.5	1.1	0.5
Accommodation and food service activities	5.9	-1.2	7.9	-11.3	8.1	-1.9	19.0	-3.1	5.4	0.7	1.5	0.8	0.9	0.4
Information and communication	1.2	1.1	20.2	-1.5	20.1	-1.8	34.0	19.3	4.7	-1.3	0.9	0.9	0.8	2.6
Financial and insurance activities	5.6	-0.3	10.1	4.9	15.0	-1.6	8.4	7.0	4.6	1.8	1.1	2.1	2.1	2.0
Real estate activities	29.4	-7.7	24.7	-0.2	20.2	-9.4	-0.0	0.7	4.4	3.2	1.0	1.3	2.5	1.9
Professional, scientific and technical activities	7.4	-15.6	22.4	-20.9	15.0	13.2	12.7	6.6	3.9	1.7	5.5	2.8	1.4	0.3
Administrative and support service activities	3.6	5.2	-28.9	7.8	3.3	-0.5	47.7	0.4	4.0	10.5	1.4	-1.9	1.0	0.3
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	5.9	11.4	6.7	-12.7	4.2	3.7	13.7	-2.1	7.8	2.9	1.4	1.6	0.9	2.5
Human health and social work activities	15.9	-3.2	7.7	1.6	4.5	0.9	26.6	-9.5	5.3	-0.4	2.7	1.2	2.6	2.7
Arts, entertainment and recreation	18.0	2.5	8.7	-29.0	16.5	12.2	24.5	-9.4	18.8	2.3	-0.4	-0.7	1.6	0.7
Other service activities	3.6	1.4	20.8	2.5	6.1	0.4	27.6	-13.1	4.6	2.4	1.9	1.1	1.5	2.1
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	11.2	-3.6	22.6	-6.1	16.5	-3.9	13.4	1.5	4.6	0.7	1.7	0.8	1.7	1.4

TABLE 16 ANNUAL DEPRECIATION OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	68,174	69,845	71,299	75,268	76,000	78,486	81,166	83,856	87,376	90,670	94,609	95,575	96,025	95,295
Agriculture, forestry and fishing	68,174	69,845	71,299	75,268	76,000	78,486	81,166	83,856	87,376	90,670	94,609	95,575	96,025	95,295
None Agriculture	1,062,432	1,084,318	1,118,519	1,172,935	1,225,962	1,266,760	1,286,444	1,299,141	1,334,333	1,367,546	1,400,928	1,413,691	1,427,685	1,418,271
Industrial	393,713.0	400,007.0	408,771.0	438,912.0	450,401.0	463,825.0	462,537.0	448,785.0	485,511	501,801	513,748	525,540	533,410	528,897
Mining and quarrying	24,285	26,139	29,452	29,749	31,214	33,541	34,667	34,988	33,126	34,248	36,061	36,665	37,277	37,356
Manufacturing	316,827	320,695	324,902	327,667	334,247	345,945	339,144	346,778	378,780	392,094	402,291	408,076	414,770	410,982
Electricity, gas, steam and air conditioning supply	43,542	43,592	43,181	66,545	69,602	68,748	73,722	49,474	54,257	55,665	55,724	59,868	60,277	59,710
Water supply; sewerage, waste management and remediation activities	8,350	9,022	11,051	12,439	13,123	12,915	13,665	11,902	11,906	12,231	12,522	12,766	12,895	12,791
Service	671,227	686,572	711,047	736,962	776,788	803,975	823,365	847,229	848,798	866,558	887,952	890,455	897,219	892,067
Construction	36,091	36,551	39,436	41,055	42,876	45,242	46,156	46,476	49,271	50,618	52,734	54,595	55,822	55,620
Wholesale and retail trade; repair of motor vehicles and motorcycles	131,855	140,814	154,647	172,403	182,525	175,158	184,063	184,869	194,178	199,685	207,935	207,835	208,199	207,489
Transportation and storage	190,889	188,837	186,501	183,871	200,808	212,455	215,739	222,048	217,421	219,462	219,227	214,452	216,866	212,935
Accommodation and food service activities	70,275	70,037	74,690	75,273	80,039	84,856	87,720	87,032	89,078	91,450	94,730	95,411	95,236	93,706
Information and communication	26,634	26,340	26,132	31,325	32,771	32,260	34,776	37,773	40,946	42,006	42,589	42,239	41,912	42,048
Financial and insurance activities	24,956	26,403	27,879	28,202	29,181	29,769	30,499	31,308	32,215	32,557	34,335	35,104	35,348	35,419
Real estate activities	84,152	88,074	88,165	90,474	91,639	97,926	96,685	90,239	87,534	89,806	92,127	93,021	94,134	93,790
Professional, scientific and technical activities	889	920	943	983	1,101	1,204	1,169	1,118	1,142	1,189	1,210	1,304	1,293	1,265
Administrative and support service activities	671	700	494	711	649	765	932	782	821	892	941	946	940	925
Public administration and defence; compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	35,287	36,425	37,901	38,781	41,054	42,709	43,758	47,079	50,100	50,779	51,877	52,867	52,744	53,218
Human health and social work activities	50,483	50,622	53,974	54,929	57,853	58,842	61,602	68,994	70,280	72,636	75,816	78,810	79,924	80,848
Arts, entertainment and recreation	884	894	950	1,360	1,456	1,871	1,801	1,234	1,267	1,337	1,402	1,429	1,447	1,435
Other service activities	20,285	20,610	22,933	24,963	26,355	27,917	29,134	41,961	29,482	29,650	30,665	31,323	31,647	31,946
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,130,703	1,154,293	1,189,688	1,248,178	1,301,061	1,344,301	1,367,245	1,383,248	1,422,341	1,459,075	1,496,723	1,510,489	1,524,811	1,514,635

TABLE 16-1 GROWTH RATE OF ANNUAL DEPRECIATION OF PRIVATE SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	3.9	2.5	2.1	5.6	1.0	3.3	3.4	3.3	4.2	3.8	4.3	1.0	0.5	-0.8
Agriculture, forestry and fishing	3.9	2.5	2.1	5.6	1.0	3.3	3.4	3.3	4.2	3.8	4.3	1.0	0.5	-0.8
None Agriculture	2.6	2.1	3.2	4.9	4.5	3.3	1.6	1.0	2.7	2.5	2.4	0.9	1.0	-0.7
Industrial	5.3	1.6	2.2	7.4	2.6	3.0	-0.3	-3.0	8.2	3.4	2.4	2.3	1.5	-0.8
Mining and quarrying	8.3	7.6	12.7	1.0	4.9	7.5	3.4	0.9	-5.3	3.4	5.3	1.7	1.7	0.2
Manufacturing	5.3	1.2	1.3	0.9	2.0	3.5	-2.0	2.3	9.2	3.5	2.6	1.4	1.6	-0.9
Electricity, gas, steam and air conditioning supply	4.9	0.1	-0.9	54.1	4.6	-1.2	7.2	-32.9	9.7	2.6	0.1	7.4	0.7	-0.9
Water supply; sewerage, waste management and remediation activities	3.0	8.0	22.5	12.6	5.5	-1.6	5.8	-12.9	0.0	2.7	2.4	1.9	1.0	-0.8
Service	1.3	2.3	3.6	3.6	5.4	3.5	2.4	2.9	0.2	2.1	2.5	0.3	0.8	-0.6
Construction	0.4	1.3	7.9	4.1	4.4	5.5	2.0	0.7	6.0	2.7	4.2	3.5	2.2	-0.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	-1.8	6.8	9.8	11.5	5.9	-4.0	5.1	0.4	5.0	2.8	4.1	-0.1	0.2	-0.3
Transportation and storage	8.9	-1.1	-1.2	-1.4	9.2	5.8	1.5	2.9	-2.1	0.9	-0.1	-2.2	1.1	-1.8
Accommodation and food service activities	4.7	-0.3	6.6	0.8	6.3	6.0	3.4	-0.8	2.4	2.7	3.6	0.7	-0.2	-1.6
Information and communication	-0.4	-1.1	-0.8	19.9	4.6	-1.6	7.8	8.6	8.4	2.6	1.4	-0.8	-0.8	0.3
Financial and insurance activities	6.8	5.8	5.6	1.2	3.5	2.0	2.5	2.7	2.9	1.1	5.5	2.2	0.7	0.2
Real estate activities	-8.5	4.7	0.1	2.6	1.3	6.9	-1.3	-6.7	-3.0	2.6	2.6	1.0	1.2	-0.4
Professional, scientific and technical activities	-2.7	3.5	2.5	4.2	12.0	9.4	-2.9	-4.4	2.1	4.1	1.8	7.8	-0.8	-2.2
Administrative and support service activities	4.7	4.3	-29.4	43.9	-8.7	17.9	21.8	-16.1	5.0	8.6	5.5	0.5	-0.6	-1.6
Public administration and defence; compulsory social security	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	-2.5	3.2	4.1	2.3	5.9	4.0	2.5	7.6	6.4	1.4	2.2	1.9	-0.2	0.9
Human health and social work activities	5.5	0.3	6.6	1.8	5.3	1.7	4.7	12.0	1.9	3.4	4.4	3.9	1.4	1.2
Arts, entertainment and recreation	12.6	1.1	6.3	43.2	7.1	28.5	-3.7	-31.5	2.7	5.5	4.9	1.9	1.3	-0.8
Other service activities	-1.3	1.6	11.3	8.9	5.6	5.9	4.4	44.0	-29.7	0.6	3.4	2.1	1.0	0.9
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2.7	2.1	3.1	4.9	4.2	3.3	1.7	1.2	2.8	2.6	2.6	0.9	0.9	-0.7

TABLE 17 ANNUAL DEPRECIATION OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	43,607	50,439	50,615	53,277	67,030	69,092	75,192	75,584	73,372	73,581	57,369	56,901	58,008	58,735
Agriculture, forestry and fishing	43,607	50,439	50,615	53,277	67,030	69,092	75,192	75,584	73,372	73,581	57,369	56,901	58,008	58,735
None Agriculture	408,811	419,299	461,010	578,454	578,657	618,986	629,565	537,675	550,713	580,988	580,291	586,565	596,838	604,504
Industrial	199,066.1	199,432.0	231,571.4	241,153.1	241,723.1	255,141.9	255,032.0	252,199.8	263,102	268,502	272,160	275,071	278,388	282,869
Mining and quarrying	2,654	2,463	3,388	4,263	4,246	4,683	4,623	2,994	2,964	2,965	2,902	2,971	2,982	3,003
Manufacturing	10,729	11,454	10,724	15,763	15,100	17,247	18,290	12,145	12,725	12,540	13,245	13,727	14,024	14,186
Electricity, gas, steam and air conditioning supply	165,570	165,412	196,867	199,153	201,398	211,348	209,883	216,816	226,478	232,251	235,085	237,274	239,570	243,424
Water supply; sewerage, waste management and remediation activities	20,113	20,103	20,593	21,974	20,979	21,864	22,236	20,245	20,935	20,747	20,928	21,099	21,812	22,255
Service	209,745	219,867	229,438	337,301	336,934	363,844	374,533	285,475	287,611	312,486	308,131	311,495	318,450	321,635
Construction	14,014	15,358	14,928	22,237	21,014	23,968	26,261	14,565	16,199	16,249	15,942	16,775	17,270	17,458
Wholesale and retail trade; repair of motor vehicles and motorcycles	779	838	799	1,327	1,304	1,468	1,452	984	1,077	1,197	1,124	1,148	1,192	1,221
Transportation and storage	99,992	106,557	116,183	176,286	171,205	189,243	191,693	161,873	158,601	176,934	171,719	172,199	174,948	175,739
Accommodation and food service activities	17,211	19,008	19,428	27,518	25,174	27,170	28,683	17,873	18,836	18,736	19,140	19,444	19,669	19,729
Information and communication	11,720	11,375	16,534	16,185	18,195	22,624	23,541	16,300	17,062	18,529	18,712	18,817	20,271	20,538
Financial and insurance activities	3,317	3,531	2,816	5,299	5,393	5,679	5,673	3,933	4,112	4,633	4,422	4,659	5,006	5,041
Real estate activities	11,435	9,266	13,351	14,592	19,100	11,716	14,634	8,745	9,131	8,193	10,551	10,759	11,027	11,198
Professional, scientific and technical activities	280	259	275	330	346	422	436	291	302	303	355	379	384	388
Administrative and support service activities	1,960	2,059	2,417	2,612	2,741	2,698	2,722	2,926	3,042	3,288	3,297	3,252	3,287	3,318
Public administration and defence; compulsory social security	27,240	29,267	22,270	39,979	42,909	45,209	42,173	33,963	33,842	39,392	39,445	40,048	40,788	41,631
Education	967	1,210	1,213	909	880	955	1,111	856	922	949	962	985	1,023	1,071
Human health and social work activities	15,601	15,488	14,005	22,728	21,433	23,764	26,146	17,391	18,311	17,651	16,425	16,914	17,386	17,990
Arts, entertainment and recreation	900	1,039	1,103	696	756	634	859	928	1,103	1,109	1,095	1,092	1,101	1,123
Other service activities	4,329	4,611	4,116	6,603	6,483	8,293	9,149	4,849	5,072	5,323	4,940	5,024	5,097	5,190
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	452,418	469,738	511,625	631,731	645,688	688,078	704,757	613,260	624,085	654,568	637,660	643,467	654,845	663,239

TABLE 17-1 GROWTH RATE OF ANNUAL DEPRECIATION OF PUBLIC SECTOR AT CURRENT REPLACEMENT COST

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	10.1	15.7	0.3	5.3	25.8	3.1	8.8	0.5	-2.9	0.3	-22.0	-0.8	1.9	1.3
Agriculture, forestry and fishing	10.1	15.7	0.3	5.3	25.8	3.1	8.8	0.5	-2.9	0.3	-22.0	-0.8	1.9	1.3
None Agriculture	8.7	2.6	9.9	25.5	0.0	7.0	1.7	-14.6	2.4	5.5	-0.1	1.1	1.8	1.3
Industrial	10.9	0.2	16.1	4.1	0.2	5.6	-0.0	-1.1	4.3	2.1	1.4	1.1	1.2	1.6
Mining and quarrying	12.6	-7.2	37.5	25.8	-0.4	10.3	-1.3	-35.2	-1.0	0.0	-2.1	2.4	0.4	0.7
Manufacturing	10.6	6.8	-6.4	47.0	-4.2	14.2	6.0	-33.6	4.8	-1.5	5.6	3.6	2.2	1.2
Electricity, gas, steam and air conditioning supply	11.8	-0.1	19.0	1.2	1.1	4.9	-0.7	3.3	4.5	2.5	1.2	0.9	1.0	1.6
Water supply; sewerage, waste management and remediation activities	3.9	-0.1	2.4	6.7	-4.5	4.2	1.7	-9.0	3.4	-0.9	0.9	0.8	3.4	2.0
Service	6.8	4.8	4.4	47.0	-0.1	8.0	2.9	-23.8	0.7	8.6	-1.4	1.1	2.2	1.0
Construction	-0.2	9.6	-2.8	49.0	-5.5	14.1	9.6	-44.5	11.2	0.3	-1.9	5.2	3.0	1.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	-2.1	7.6	-4.6	66.1	-1.7	12.5	-1.1	-32.3	9.5	11.1	-6.1	2.1	3.8	2.5
Transportation and storage	3.8	6.6	9.0	51.7	-2.9	10.5	1.3	-15.6	-2.0	11.6	-2.9	0.3	1.6	0.5
Accommodation and food service activities	-3.1	10.4	2.2	41.6	-8.5	7.9	5.6	-37.7	5.4	-0.5	2.2	1.6	1.2	0.3
Information and communication	6.4	-2.9	45.3	-2.1	12.4	24.3	4.1	-30.8	4.7	8.6	1.0	0.6	7.7	1.3
Financial and insurance activities	6.0	6.4	-20.2	88.2	1.8	5.3	-0.1	-30.7	4.6	12.7	-4.6	5.3	7.5	0.7
Real estate activities	68.0	-19.0	44.1	9.3	30.9	-38.7	24.9	-40.2	4.4	-10.3	28.8	2.0	2.5	1.6
Professional, scientific and technical activities	29.4	-7.4	6.1	20.2	4.7	22.0	3.2	-33.3	3.9	0.3	17.1	6.8	1.4	1.0
Administrative and support service activities	3.2	5.0	17.4	8.1	4.9	-1.6	0.9	7.5	4.0	8.1	0.3	-1.4	1.1	0.9
Public administration and defence; compulsory social security	9.1	7.4	-23.9	79.5	7.3	5.4	-6.7	-19.5	-0.4	16.4	0.1	1.5	1.8	2.1
Education	2.5	25.2	0.2	-25.1	-3.2	8.6	16.3	-23.0	7.8	2.9	1.4	2.3	4.0	4.6
Human health and social work activities	15.2	-0.7	-9.6	62.3	-5.7	10.9	10.0	-33.5	5.3	-3.6	-6.9	3.0	2.8	3.5
Arts, entertainment and recreation	4.2	15.4	6.3	-36.9	8.6	-16.2	35.6	8.0	18.8	0.5	-1.2	-0.3	0.8	2.0
Other service activities	3.1	6.5	-10.7	60.4	-1.8	27.9	10.3	-47.0	4.6	5.0	-7.2	1.7	1.5	1.8
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	8.9	3.8	8.9	23.5	2.2	6.6	2.4	-13.0	1.8	4.9	-2.6	0.9	1.8	1.3

TABLE 18 ANNUAL DEPRECIATION OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Millions of Baht)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	27,663	31,584	33,122	37,860	41,537	42,692	41,950	42,304	43,559	44,518	45,858	50,135	50,972	50,814
Agriculture, forestry and fishing	27,663	31,584	33,122	37,860	41,537	42,692	41,950	42,304	43,559	44,518	45,858	50,135	50,972	50,814
None Agriculture	287,731	291,830	324,430	315,619	318,533	324,001	342,654	368,519	377,741	388,591	403,175	415,665	419,101	414,688
Industrial	137,614.0	138,297.0	163,328.0	144,855.0	139,317.0	145,272.0	149,681.0	167,755.0	172,574	178,915	186,266	187,049	187,211	185,538
Mining and quarrying	2,305	2,468	2,802	2,945	3,187	3,231	3,479	3,477	3,206	3,325	3,351	3,496	3,503	3,458
Manufacturing	9,045	9,357	7,072	6,766	6,458	6,684	6,028	5,998	6,552	6,666	7,172	7,275	7,404	7,187
Electricity, gas, steam and air conditioning supply	109,970	110,032	136,497	119,417	114,137	119,474	123,873	141,850	145,941	151,625	157,758	157,943	157,623	156,300
Water supply; sewerage, waste management and remediation activities	16,357	16,630	15,616	14,656	14,626	14,854	15,734	16,038	16,121	16,519	17,047	17,496	17,885	17,861
Service	149,954	153,412	160,908	170,495	177,855	177,644	191,262	199,804	204,150	208,516	215,705	227,489	230,857	228,106
Construction	8,093	8,659	7,554	7,890	8,463	8,586	9,559	11,774	10,827	11,087	11,475	12,231	12,424	12,363
Wholesale and retail trade; repair of motor vehicles and motorcycles	651	710	780	687	727	661	728	718	754	775	826	906	929	947
Transportation and storage	75,679	78,038	81,375	91,641	95,182	95,670	105,023	110,365	116,814	119,016	123,546	132,080	133,427	130,823
Accommodation and food service activities	12,825	13,953	14,709	15,420	15,961	15,966	17,347	16,675	16,987	17,248	17,838	17,825	17,945	17,502
Information and communication	8,556	7,275	10,303	7,898	8,972	9,447	9,461	9,013	9,812	10,254	11,248	12,053	12,966	12,949
Financial and insurance activities	2,659	2,970	3,032	3,093	3,136	3,132	2,873	2,761	2,899	3,046	3,181	3,372	3,372	3,314
Real estate activities	4,528	3,515	5,638	5,372	5,844	4,016	5,777	3,042	2,805	2,548	2,860	2,906	2,939	2,904
Professional, scientific and technical activities	186	211	194	212	236	256	251	238	232	239	274	300	300	301
Administrative and support service activities	1,534	1,567	1,843	1,779	1,902	1,914	1,881	2,234	2,351	2,480	2,679	2,731	2,741	2,709
Public administration and defence; compulsory social security	20,511	21,824	21,952	22,888	22,034	23,414	22,032	21,153	21,512	22,729	22,900	23,448	23,565	23,615
Education	671	789	956	658	727	741	717	754	692	700	714	726	748	767
Human health and social work activities	10,322	10,825	8,045	8,641	9,402	9,065	9,700	10,905	9,868	9,996	9,520	9,963	10,163	10,321
Arts, entertainment and recreation	862	967	1,111	805	881	748	919	1,426	1,480	1,541	1,622	1,675	1,678	1,692
Other service activities	2,818	2,961	2,758	3,222	3,535	4,451	4,675	8,610	4,392	4,437	4,333	4,565	4,585	4,634
Activities of households as employers	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	315,607	323,981	357,981	354,286	360,183	366,764	385,119	411,434	421,965	433,753	449,669	466,119	470,321	465,679

TABLE 18-1 GROWTH RATE OF ANNUAL DEPRECIATION OF PUBLIC SECTOR : CHAIN VOLUME MEASURES (reference year = 2002)

(Unit - Percent)

Sector	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019r	2020r	2021r	2022p
Agriculture	1.6	14.2	4.9	14.3	9.7	2.8	-1.7	0.8	3.0	2.2	3.0	9.3	1.7	-0.3
Agriculture, forestry and fishing	1.6	14.2	4.9	14.3	9.7	2.8	-1.7	0.8	3.0	2.2	3.0	9.3	1.7	-0.3
None Agriculture	4.3	1.4	11.2	-2.7	0.9	1.7	5.8	7.5	2.5	2.9	3.8	3.1	0.8	-1.1
Industrial	5.9	0.5	18.1	-11.3	-3.8	4.3	3.0	12.1	2.9	3.7	4.1	0.4	0.1	-0.9
Mining and quarrying	6.0	7.1	13.5	5.1	8.2	1.4	7.7	-0.1	-7.8	3.7	0.8	4.3	0.2	-1.3
Manufacturing	5.3	3.4	-24.4	-4.3	-4.6	3.5	-9.8	-0.5	9.2	1.7	7.6	1.4	1.8	-2.9
Electricity, gas, steam and air conditioning supply	6.3	0.1	24.1	-12.5	-4.4	4.7	3.7	14.5	2.9	3.9	4.0	0.1	-0.2	-0.8
Water supply; sewerage, waste management and remediation activities	3.6	1.7	-6.1	-6.1	-0.2	1.6	5.9	1.9	0.5	2.5	3.2	2.6	2.2	-0.1
Service	2.7	2.3	4.9	6.0	4.3	-0.1	7.7	4.5	2.2	2.1	3.4	5.5	1.5	-1.2
Construction	-10.5	7.0	-12.8	4.4	7.3	1.5	11.3	23.2	-8.0	2.4	3.5	6.6	1.6	-0.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	-3.8	9.1	9.9	-11.9	5.8	-9.1	10.1	-1.4	5.0	2.8	6.6	9.7	2.5	1.9
Transportation and storage	3.3	3.1	4.3	12.6	3.9	0.5	9.8	5.1	5.8	1.9	3.8	6.9	1.0	-2.0
Accommodation and food service activities	-3.9	8.8	5.4	4.8	3.5	0.0	8.6	-3.9	1.9	1.5	3.4	-0.1	0.7	-2.5
Information and communication	5.1	-15.0	41.6	-23.3	13.6	5.3	0.1	-4.7	8.9	4.5	9.7	7.2	7.6	-0.1
Financial and insurance activities	7.6	11.7	2.1	2.0	1.4	-0.1	-8.3	-3.9	2.9	2.0	5.1	4.4	6.0	-1.7
Real estate activities	18.8	-22.4	60.4	-4.7	8.8	-31.3	43.8	-47.3	-7.8	-9.2	12.2	1.6	1.1	-1.2
Professional, scientific and technical activities	17.7	13.4	-8.1	9.3	11.3	8.5	-2.0	-5.2	-2.5	3.0	14.6	9.5	0.0	0.3
Administrative and support service activities	4.4	2.2	17.6	-3.5	6.9	0.6	-1.7	18.8	5.2	5.5	8.0	1.9	0.4	-1.2
Public administration and defence; compulsory social security	6.6	6.4	0.6	4.3	-3.7	6.3	-5.9	-4.0	1.7	5.7	0.8	2.4	0.5	0.2
Education	-11.5	17.6	21.2	-31.2	10.5	1.9	-3.2	5.2	-8.2	1.2	2.0	1.7	3.0	2.5
Human health and social work activities	5.1	4.9	-25.7	7.4	8.8	-3.6	7.0	12.4	-9.5	1.3	-4.8	4.7	2.0	1.6
Arts, entertainment and recreation	-0.8	12.2	14.9	-27.5	9.4	-15.1	22.9	55.2	3.8	4.1	5.3	3.3	0.2	0.8
Other service activities	-1.5	5.1	-6.9	16.8	9.7	25.9	5.0	84.2	-49.0	1.0	-2.3	5.4	0.4	1.1
Activities of households as employers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4.0	2.7	10.5	-1.0	1.7	1.8	5.0	6.8	2.6	2.8	3.7	3.7	0.9	-1.0