

Preface

The Office of the National Economic and Social Development Council (NESDC) is responsible for compiling the National Income of Thailand in compliance with the International System of National Accounts (SNA). The National Income of Thailand covers 3 sides of approaches covering production, expenditure and income, which reflects the overall economic activities of accounting of the country in particular calendar year on disseminates publication for economic analysis purpose.

The National Income of Thailand 2017 edition, following the International System of National Accounts (SNA), is compiled using the chain volume measures (CVMs) in measuring the real terms. In this 2017 edition, data are revised back to 2015 in accordance with the latest available primary data and latest revision of data sources provided by responsible agencies to ensure the accuracy and consistency of the entire system of national accounts. Details of revisions are indicated in the revision note on the following pages.

The Office of the NESDC would like to express our gratitude to agencies and individuals who constantly supply basic data and contribute suggestion on enhancing the compilation of the National Income of Thailand and other statistic accounts.



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Secretary-General
National Economic and Social Development Council
January 2019

Revisions to the National Income of Thailand 2017 Edition

In this publication, the main estimates have been revised back to 2015. The revisions are made based on the most recent data from the primary sources as follows:

1. Revising data

- Agricultural, forestry and fishing sector: revising crops and livestock production figures from 2015 to 2016 according to the Agricultural Statistics of Thailand 2017 from the Office of Agricultural Economic, Ministry of Agriculture and Co-operatives; revising fishery production figures from 2015 to 2016 according to the Fisheries Statistics of Thailand 2017 from the Department of Fisheries.
- Manufacturing sector: revising industrial production figures back from 2015 to 2016 according to the Manufacturing Product Index (MPI) from the Office of Industrial Economics, Ministry of Industry and data from relevant sectors.
- Construction sector: revising the data of construction back to 2016.
- Real estate, renting and business services sector; and other community, social and personal services activities sector: revising income for value added taxes assessment back to 2016.
- Education sector and human health and social work activities sector: revising the data of education and health service of general government and the annual report of the private universities from 2015 to 2016.
- General government: revising 3 units of autonomous universities including Prince of Songkla University (PSU), Suranari University of Technology (SUT) and Institute Community Colleges according to the primary data from agencies and the latest data available from original data sources figures from 2015 to 2016.
- Export and import of merchandise and services: revising both primary income and secondary income according to the current account data from the Bank of Thailand from 2016.
- Updating other basic data according to the latest data available from original data sources.

2. Abbreviation

- In this publication, there are two letters assigned after data period (s) in tables (r and p). Letter “r” stands for “revised” representing revision figures based on most recent data, coverage, and compilation methodology. Letter “p” stands for “preliminary” annual figure, which is subject to revisions in the next series of publication.

Executive Summary

The Thai economy, in 2017, measured by the Gross Domestic Product (GDP), increased by 4.0% which accelerated from a rise of 3.4% in 2016, mainly contributed to a continual expansion of production of goods and services for private final consumption expenditure, exports, and tourist-related industry. On production side, non-agricultural production grew in a favorable level. Similarly, agricultural production also improved greatly from the previous year as a result of a growth in main crop production. For expenditure side, private final consumption expenditure rose prominently as a result of higher farm income whereas government final consumption expenditure slowed down from last year. Private investment expanded whereas public investment decreased due to base-effect from a high value of public investment projects in response to disbursement expenditure measure in the previous year.

The total production increased by 4.0%, accelerating from a rise of 3.4% in the previous year. Non-agricultural production, accounted for 91.7% of total production, grew by 4.1%, compared to a rise of 3.8% previously. Such a high level of production was from manufacturing sector with a growth of 3.0%, improved from a 2.2% growth in the previous year, due to a contribution of computer and components, machinery and equipment, rubber and plastic products, and chemicals and chemical products. In addition, tourist-related sectors also supported expansion including: a rise of 10.6% for accommodation and food service; 8.2% for transportation and storage; 7.0% for wholesale and retail trade; 12.1% for arts, entertainment and recreation, which expanded favorably as a result of a rising number of tourists. Similarly, agricultural production rose by 3.7%, improved from a drop of 1.3% in last year as a result of a growth in main crop production in line with favorable weather conditions.

Domestic demand rose continuously from last year. Supporting factors were from private sector improvement, including both final consumption expenditure and investment. However, in public sector, consumption slowed down whereas investment decreased. Expansion in private sector was contributed to a growth of major crops prices and continual missing income of non agricultural sector in addition to an expansion of consumer credit expansion and consumer confidence index improvement. As a result, private consumption expenditure rose by 3.0%. Gross fixed capital formation increased by 1.8%, slowed down from 2.9% previously. In particular, private investment increased by 2.9%, compared to a 0.6% rise in 2016 whereas public investment declined by 1.2% in contrast to a 9.5% growth in the previous year, due to a high base-effect in which disbursement on investment projects was expedited in last year namely water resources development and management system and urgent phase land transport system. General government final consumption expenditure grew by 0.1%, compared to 2.2% last year. Such a slowdown was from a deceleration in compensation of employees and a decrease in purchase from enterprises and abroad. For external sector, exports of goods and services grew favorably by 5.4%. Similarly, imports of goods and services also grew profusely by 6.2%.

National income in 2017 posted the value of Baht 14,762,125 million, rose by 6.4%. Sources of income were from a return to labor with the value of Baht 4,843,384 million, a 2.7% rise from the previous year. Return to capital, land and operation was worth Baht 5,770,810 million, increased by 10.7%. In per capita terms, national income per capita in 2017 was Baht 218,200, rose from Baht 205,607 in 2016. Disposable income per capita was Baht 122,874 and consumption expenditure per capita was Baht 111,292. As a result, per capita personal saving valued at Baht 13,716, accelerated from Baht 11,997 in 2016.

For overall economic stability, recently gross saving kept expanding whereas gross investment trended to be expanded. It was seen in 2017 that gross saving and investment rose by 10.1% and 15.8%, respectively. As a result, saving-investment gap (equivalent to current account) postulated a surplus with the value of Baht 1,702,474 million, accounting for 11.0% of GDP. Such a surplus was regarded as the fourth consecutive year, since there were surpluses of Baht 497,597 million, Baht 1,103,130 million and Baht 1,703,101 million for 2014, 2015 and 2016.

GDP implicit price deflator rose by 2.1%, compared to a rise of 2.5% in the previous year. Agricultural price index increased by 0.9%, compared to a growth of 2.1% in 2015. Similarly, non-agricultural price index grew by 2.2%, slowed down from a 2.5% rise previously. Meanwhile, both consumer price index (CPI) and producer price index (PPI) equally rose by 0.7%, yet the later recovered from a drop of 1.2% in last year.

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Thai Economy in 2017 National Accounts Perspectives

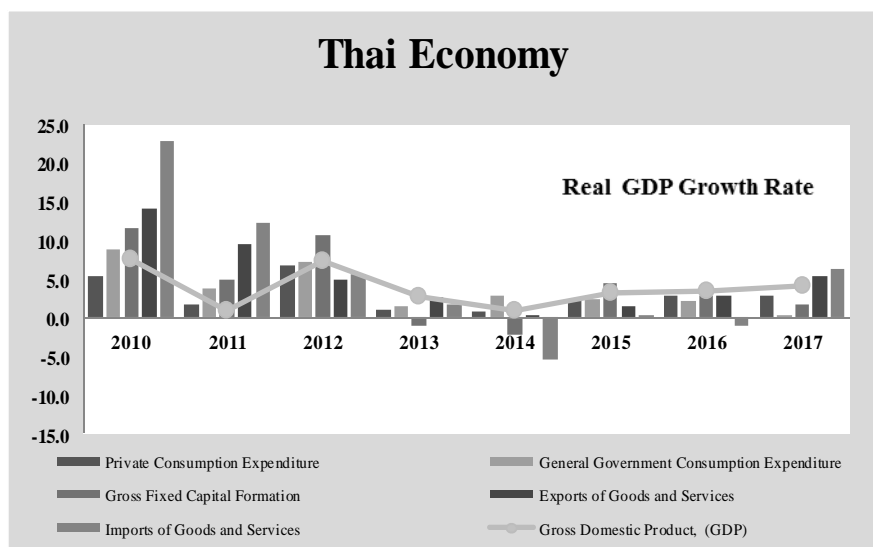
Overview

GDP in 2017 rose by 4.0% compared to a rise of 3.4% in 2016, driven by private consumption expenditure, exports, and tourist-related industries.

Gross Domestic Product of 2017 increased by 4.0%, compared to a rise of 3.4% in 2016 as a result of a continuous expansion of private final consumption expenditure, exports, and tourist-related sector. Such a rise of private final consumption was partly from high farming income in line with rising price in main agricultural. In addition, low inflation level maintained as a consequence of price reduction of main products related to low fuel price. Meanwhile, government consumption expenditure and investment decelerated, attributed to a decline of government investment whereas investment of private and state enterprises maintained expansion. Decrease in government investment was from reduction of disbursement from government investment project as a consequence of base effect from disbursement expedition in last year, namely water resource development and management project and urgent phase highway project.

Non-agricultural sector and several sectors with high expansion covered manufacturing sector such as chemicals and chemical products, rubber and plastic products, and computers and peripheral equipment; service sectors such as wholesale and retail trade, repair of motor vehicles and motorcycles; and tourist-related sectors such as accommodation and food service activities, and transport services. Meanwhile, the productions of agricultural sector improved relatively compared to the previous year

Gross Domestic Product (GDP) in 2017 at current market prices valued at Baht 15,451,959 million. After deducting Baht 689,834 million of net factor income from the rest of the world, Gross National Income (GNI) registered at Baht 14,762,125 million, which expanded by 6.4%. Per capita GNI was Baht 218,200 higher than that of Baht 205,607 million in 2016, which expanded by 6.1%.



Domestic Demand improved from last year, attributed to an expansion of private final consumption expenditure, exports of goods and services, and private investment. Supporting factors were from; 1) higher household income especially farming income which was from rising in main crop; 2) continuous expansion of non-taxes income and rising in household consumer credits which led to higher consumer demand. As a result, private final consumption expenditure rose by 3.0% compared to a 2.9% expansion in last year. Gross fixed capital formation expanded by 1.8%, decelerating from 2.9% in 2016. Private investment grew by 2.9% whereas public investment decreased by 1.2% as a result of base effect from high disbursement expedition of major government investment projects last year. General government final consumption expenditure increased by 0.1%, compared to 2.2% in 2016 attributed to compensation of employees with a growth of 0.6%, purchases from enterprises and abroad, and social transfers in kind - purchased market production decreased by 0.1%.

External Sector: exports of goods and services at current market prices grew by 5.8%, compared to a 5.4% rise in 2016. Such an expansion was chiefly contributed to a 5.5% rise in merchandised exports and 7.0% in service receipts. For import side, imports of goods and services at current market prices expanded by 7.6%, recovering from a drop of 0.7% in last year. Particularly, merchandised imports rose by 8.7% as well as service payments with an increase of 3.0%. Trade and service balance at current market prices valued a surplus of Baht 2,136,970 million, compared to Baht 2,147,890 million previously, attributed to Baht 1,158,267 million for trade surplus and Baht 978,704 million for service surplus. In addition, net factor income and net current transfers recorded a deficit of Baht 689,834 million and a surplus of Baht 255,338 million, respectively. Ultimately, a current account registered a surplus at Baht 1,702,474 million in 2017, considered to be the fourth consecutive years of surplus.

National Income (NI) or income from factors of production in 2017 recorded the value of Baht 14,762,125 million, expanded by 6.4%. Expansion was found from both compensation of employees, which accounted for 32.8% of NI, and returns on capital, land, and firms, which accounted for 39.1% of NI, with a rise of 2.7% and 10.7%, respectively. Meanwhile, operating income grew by 12.7% whereas net property income dropped by 2.3%.

Domestic Saving in 2017 registered the value of Baht 5,231,089 million, grew by 10.1% decelerating from a rise of 13.8% in 2016. Overall net savings valued at Baht 2,335,400 million, grew by 22.6%, contributed to net private saving with an increase of 18.9% and net public saving increased by 135.2%.

Overall Economic Stability: recently, saving kept expanding and maintained at the high level as overall investment increased drastically. Particularly in 2017, total saving and total investment rose by 10.1% and 15.8%, respectively. As a result, saving-investment gap (equivalent to current account surplus) registered a surplus of Baht 1,702,474 million and accounted for 11.0% of gross domestic product. Current account was considered to be a surplus for the fourth consecutive years which were Baht 497,597 million, Baht 1,103,130 million and Baht 1,703,101 million surpluses for 2014, 2015 and 2016, respectively.

GDP Implicit Price Deflator increased by 2.1%, decelerating from 2.5% in the previous year. Agricultural price index grew by 0.9%, compared to a 2.1% increase in 2016. Non-agricultural price index rose by 2.2%, decelerating from 2.5% previously. Meanwhile, consumer prices index (CPI) and producer prices index (PPI) increased equally by 0.7% respectively.

Gross Domestic Product

GDP in 2017 grew by 4.0% continuously from a 3.4% growth in the previous year.

Gross domestic product in 2017 expanded by 4.0%, accelerating from a growth of 3.4% in the previous year. Such an expansion was mainly driven by non-agricultural sector with a rise of 4.1% due to a continual expansion of private consumption, exports, and tourist-related sector. Manufacturing sector increased by 2.2% and service sector grew by 5.1%, propelled by tourist-related sector. Agricultural sector increased by 3.7% in response to an expansion of crops production and fishery.

Agricultural production rose by 3.7%, recovering from a contraction of 1.3% in the previous year. Such a rise was attributable to an increase in major crops, namely paddy, sugarcane, oil palm and rubber due to a favorable weather condition. Livestock declined as a result of farming of cattle and buffalo whereas poultry such as chicken and hen's egg expanded. Fishery significantly increased.

Non-agricultural production grew by 4.1%. Manufacturing sector rose by 2.2%, continually rising from the preceding year. Such an expansion was propelled by higher production of main manufacturing sectors such as motor vehicles, chemical and chemical products, and computer and computer peripheral equipment. In addition, services and tourist-related sector namely accommodation and food service activities, and transportation also supported expansion with growth of 10.6% and 8.2%, respectively, in response to the number of domestic and foreign tourists.

**Real GDP growth and structure
at current market prices classified by economic activities**

(%)

Economic activities	Real GDP growth			Structure at current prices		
	2015	2016	2017	2015	2016	2017
Agriculture	-6.5	-1.3	3.7	8.9	8.4	8.3
Agriculture, forestry and fishing	-6.5	-1.3	3.7	8.9	8.4	8.3
Non-agriculture	4.2	3.8	4.1	91.1	91.6	91.7
Mining and quarrying	2.4	1.1	-5.5	3.1	2.7	2.5
Manufacturing	1.5	2.2	3.0	27.4	27.2	27.2
Electricity, gas, steam and air conditioning supply	4.9	2.8	2.0	2.5	2.6	2.6
Water supply; sewerage, waste management and remediation activities	9.0	7.5	6.1	0.4	0.4	0.4
Construction	17.1	7.9	-2.8	2.8	2.8	2.6
Wholesale and retail trade; repair of motor vehicles and motorcycles	5.6	6.1	7.0	14.3	15.0	15.5
Transportation and storage	4.0	3.2	8.2	5.7	5.7	5.7
Accommodation and food service activities	15.0	9.2	10.6	4.4	4.8	5.3
Information and communication	10.1	2.9	2.7	2.4	2.3	2.3
Financial and insurance activities	8.4	7.0	5.4	7.6	7.7	7.5
Real estate activities	1.5	7.0	6.5	2.4	2.4	2.4
Professional, scientific and technical activities	-1.5	-2.3	6.3	1.9	1.8	1.8
Administrative and support service activities	3.6	1.4	2.4	1.7	1.7	1.6
Public administration and defence; compulsory social security	1.1	0.6	0.4	6.1	6.1	5.9
Education	0.2	0.7	0.6	4.3	4.2	4.1
Human health and social work activities	3.2	3.0	3.7	2.1	2.1	2.1
Arts, entertainment and recreation	9.2	21.3	12.1	0.5	0.6	0.6
Other service activities	3.1	3.9	4.5	1.4	1.3	1.3
Activities of households as employers	3.7	-0.1	-2.0	0.2	0.2	0.2
Gross domestic product, (GDP)	3.1	3.4	4.0	100.0	100.0	100.0

Agricultural sector

Agricultural sector grew by 3.7% due to a rise of crops and fishery production.

Overall agricultural production expanded by 3.7%, recovered from a contraction of 1.3% in 2016, resulting from annual crops, perennial crops, agricultural services, and fishing with an increase of 3.6%, 7.1%, 6.8%, and 5.6%, respectively. However, livestock and forestry contracted by 5.3% and 3.3%, respectively. Price of agricultural product rose by 0.9%, compared to an increase of 2.1% in the previous year.

**Growth rate of agricultural sector (real term)
and implicit price deflator**

(%)

Sector	2015	2016	2017
Agriculture, forestry and fishery growth	-6.5	-1.3	3.7
Non-perennial crops	-6.3	-3.7	3.6
Perennial crops	-9.2	-2.8	7.1
Livestock	3.1	4.8	-5.3
Agricultural services	-4.6	1.6	6.8
Forestry and logging	1.8	7.7	-3.3
Fishing and aquaculture	-10.6	6.8	5.6
Implicit price deflator growth	-2.3	2.1	0.9

Agriculture, forestry and fishery

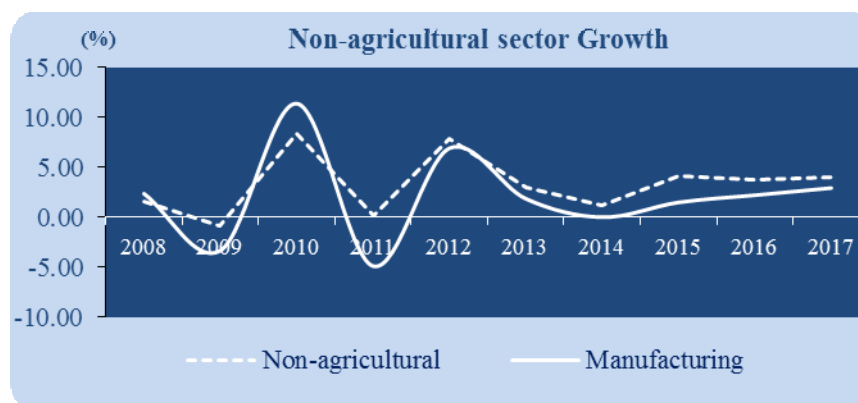
Total production expanded by 3.7%, improving from the previous year. Major production activities were as follows:

- **Annual crops** increased by 3.6% due mainly to adequate water resources. Major crops such as paddy, sugarcane, and cereals grew by 4.1%, 12.8%, and 8.6%, respectively. Meanwhile, production of tobacco, orchid, and cassava decreased.
- **Perennial crops** rose by 7.1% owing to a favorable weather condition. Major crops namely oil palm, rubber, and other fruits grew by 16.3%, 2.6%, and 11.3%, respectively.
- **Livestock** dropped by 5.3%, attributed mainly to lower production of cattle, dairy product despite an increase of poultry such as hen and hen's egg.
- **Agricultural services** increased by 6.8% as a result of an expansion of planting and harvest services in response to planting areas.
- **Forestry** declined by 3.3% due mainly to a decrease in logging and forest products in spite of an increase in firewood and charcoal products.
- **Fishing** expanded by 5.6%. Such an expansion was from a 7.0% increase of marine fishing in response to domestic and external demand. Meanwhile, freshwater fishing decreased.

Implicit prices of agricultural products increased by 0.9%, compared to a 2.1% increase in the previous year. Such a deceleration was originated from higher quantity of agricultural products, resulting lower price of agricultural products.

Non-agricultural sector

Non-agricultural sector dropped by 5.5% in contrast to a 1.1% rise in the previous year.



Mining and quarrying

Mining and quarrying contracted by 5.5% in contrast to an expansion of 1.1% in the previous year. Contraction was attributable to a 4.8% drop of crude oil and natural gas production, compared to a rise of 0.3% in the previous year. Crude oil production decreased by 11.1% in contrast to a previous increase of 6.4%, as a result of decrease in production for main oil fields; namely Erawan group, Yungthong, Nongyao, Songkhla, and Sirikit.

Natural gas and liquefied natural gas production dropped by 2.9%, continually decreasing from a fall of 1.5% in the previous year. Such a fall was found in main fields such as Bongkot, Tantawan group, Benchamas, and Yungthong. In addition, other minerals; namely quarrying of stone, sand and clay declined by 7.1% in contrast to a 2.3% growth in the previous year.

Manufacturing

Manufacturing expanded by 3.0%, attributed to exports of manufacturing goods namely chemical and chemical products, rubber and plastic products, computer and peripheral equipment together with an increase of domestic demand.

Manufacturing with a favorable expansion

- **Food products** increased by 0.6%, compared to a rise of 1.5% in the previous year, supported by an expansion of canned fruit and vegetable oil products in response to an external demand.
- **Leather and related products** rose by 4.6%, attributed to luggage, handbags and footwear products.
- **Wood and products of wood and cork** expanded by 7.5% due to higher demand for wooden construction material and wood products.
- **Paper and paper products** grew by 1.3% due to an expansion of pulp as a consequence of an increase in demand from downstream and related industries.
- **Petroleum refinery** expanded by 4.8% in response to domestic demand.
- **Chemical and chemical products** rose by 5.0% owing to a rise of petrochemical demand from downstream industries.
- **Rubber and plastic products** grew by 8.8% due to an expansion of external demand for block rubber and rubber sheet. In addition, plastic products also showed a continual expansion.

- **Basic metal** grew by 4.6% due to higher metal product for construction and metal structure.
- **Fabricated metal products** expanded by 7.2% due to higher demand from downstream industries, namely canned fish, and processing and preservation of fruit and vegetables.
- **Computer, electronic and optical products** expanded by 10.3% due to higher external demand for computer and parts, electronic and intergraded circuits.
- **Machinery and equipment** grew by 8.9% due to expansion of all activities in this sector.
- **Motor vehicles** continually rose by 2.3% in response to demand from passenger and commercial cars. Moreover, spare part production also increased.
- **Furniture** grew by 7.3%, attributed to an expansion of wooden furniture production in response to domestic demand. In addition, metal furniture production also expanded.

**Growth rate (real term) and
structure at current market prices of manufacturing sector**

	Growth rate			Structure		
	2015	2016	2017	2015	2016	2017
Food products	-0.8	1.5	0.6	14.2	15.2	14.5
Beverages	4.0	-0.6	-0.1	7.6	7.2	6.5
Tobacco products	-2.8	-9.2	-16.8	1.5	1.3	1.0
Textiles	-4.1	-3.8	-3.4	3.0	2.8	2.5
Wearing apparel	-1.6	-6.2	-2.5	2.1	2.2	2.3
Leather and related products	-5.7	4.1	4.6	1.1	1.1	1.1
Wood and products of wood and cork	0.7	8.0	7.3	1.2	1.2	1.1
Paper and paper products	0.3	1.6	1.3	1.4	1.3	1.3
Printing and reproduction of recorded media	-5.0	-3.9	1.8	0.3	0.3	0.3
Coke and refined petroleum products	8.0	0.9	4.8	8.3	10.0	10.5
Chemicals and chemical products	4.7	3.2	5.0	8.7	8.1	8.5
Basic pharmaceutical products and pharmaceutical preparations	5.0	8.2	6.9	0.9	1.0	1.0
Rubber and plastics products	6.1	2.5	8.8	7.0	7.1	7.8
Non-metallic mineral products	-3.2	-0.2	-0.5	4.0	3.8	3.5
Basic metals	-1.3	6.5	4.6	1.6	1.6	1.6
Fabricated metal products, except machinery and equipment	4.4	8.0	7.2	2.9	3.0	3.0
Computer, electronic and optical products	-2.9	1.7	10.3	9.8	8.4	9.1
Electrical equipment	-2.3	6.0	-3.8	4.9	5.0	4.6
Machinery and equipment not elsewhere classified	4.1	1.0	8.9	4.3	4.1	4.2
Motor vehicles, trailers and semi-trailers	4.8	7.3	2.3	8.0	8.3	8.1
Other transport equipment	-1.5	11.5	-1.6	2.4	2.4	2.6
Furniture	3.6	-1.5	7.3	0.9	0.8	0.8
Other manufacturing	2.3	0.4	-0.7	3.9	3.9	3.8
Repair and installation of machinery and equipment	9.2	12.2	-2.4	0.0	0.1	0.0
Total value added	1.5	2.2	3.0	100.0	100.0	100.0

Manufacturing with a contraction

- **Beverage** dropped by 0.1% due to decline in beer and non-alcohol beverage in spite of an expansion of spirit beverage.
- **Tobacco** contracted by 16.8%, resulting from an excise tax rise at the end of year.
- **Textile** declined by 3.4% as a result of imported raw materials of downstream industries.
- **Wearing apparel** continually declined by 2.5% due to imported wearing apparel.
- **Other non-metallic products** fell by 0.5% due to a lower demand for construction material such as brick and cement whereas concrete product kept increasing.
- **Electrical machinery and apparatus** contracted by 3.8% in response to a decline of household appliance and electric motor whilst lighting appliance expanded.
- **Other motor vehicles** decreased by 1.6% in response to ships and boats building. Meanwhile, motorcycles production increased.
- **Other manufacturing** dropped by 0.7% due to a lower demand for gems and jewelry.

Electricity, gas and air conditioning supply

Electricity, gas and air conditioning supply expanded by 2.0%, continually rising from the previous growth of 2.8%. Such an expansion was attributable to a rise of electricity power generation with a growth of 1.5% in response to a continual increase in productions of PEA and private power generation. Meanwhile, productions of EGAT and MEA contracted. However, electricity consumption by users showed an expansion in every type of users. Gas separation expanded by 8.2%, in comparison to a rise of 13.6% in last year.

Electricity and gas supply growth (real term)

(%)

Items	2015	2016	2017
Electricity	4.2	2.0	1.5
Gas separate plant	12.2	13.6	8.2
Total	4.9	2.8	2.0

Electricity consumption growth and consumption structure

(%)

Items	2015	2016	2017
Consumption growth	3.6	4.6	1.3
Residential	5.9	6.4	1.0
Small enterprises	5.1	4.8	1.2
Medium enterprises	3.7	2.5	0.7
Large enterprises	1.5	4.7	2.1
Special enterprises	6.3	5.4	0.2
Others	6.4	-2.1	-3.2
Consumption structure	100.0	100.0	100.0
Residential	24.3	24.7	24.7
Small enterprises	11.6	11.6	11.6
Medium enterprises	17.0	16.7	16.6
Large enterprises	41.4	41.4	41.7
Special enterprises	3.5	3.6	3.5
Others	2.2	2.0	1.9

Water supply; sewerage, waste management and remediation activities

Water supply; sewerage, waste management and remediation activities grew by 6.1%, slowing down from a growth of 7.5% in the previous year. Water supply, water collection and materials recovery expanded 4.3%, 6.3% and 20.2%, respectively, decelerating from a rise of 5.2%, 12.1% and 21.4%, consecutively, in the preceding year.

Growth of water supply, sewerage, waste management (real term)

Items	2015	2016	2017
Water supply	7.3	5.2	4.3
Waste collection	2.4	12.1	6.3
Materials recovery	37.3	21.4	20.2
Total	9.0	7.5	6.1

Construction

Construction contracted by 2.8% in contrast to a rise of 7.9% in 2016, described by a decrease from base-effect of government construction spending in last year which was disbursed from the water resources development and urgent phase highway project. Meanwhile, state enterprise construction for on going project and new projects were implemented in 2017 such as housing development projects of the National Housing Authority, major water supply plans of Metropolitan Waterworks Authority, the Green Line Project (Mo Chit - Saphan Mai - Khukhot) of the Mass Rapid Transit Authority of Thailand, the Laemchabang Container Port Development Project and the Laemchabang Seaport Development Project of the Port Authority of Thailand. Moreover, private construction contracted from housing construction slowdown and other constructions shrank.

Wholesale and retail trade; repair of motor vehicles and motorcycles

Trading and repairing grew by 7.0%, due to a rise in sales of motor vehicles and motorcycles in response to domestic demand expansion. Wholesale and retail trade continually increased, driven by domestic and tourism demands.

Transportation and storage

Transportation and storage expanded by 8.2%, accelerating from a 3.2% growth in the previous year. The acceleration was attributable to an expansion of land and air transports of passengers, in response to the number of foreign tourists and Thai tourists. Such an expansion was followed by water, air and land transport of freight. Post activities grew 18.5%, accelerating from an expansion of 4.4% in response to revenue of entrepreneurs.

Accommodation and food service activities

Accommodation and food service activities expanded by 10.6%, accelerating from a rise of 9.2% in the previous year. Accommodation grew by 9.3%, compared to a growth of 8.4% in the previous year due mainly to an increase in number of foreign tourists with a 9.4% growth, higher than 8.7% in the previous year. The number of tourists from East Asia increased by 10.4% owing to the improved number of tourists from China as a result of the suppression of “zero-dollar tour”, followed by the number of tourists from Laos, Philippines, Singapore, Vietnam, Japan, Korea, and Taiwan. In addition, tourists from South Asia, Oceania, and Africa maintained a favorable growth. Food and beverage service activities grew by 11.6%, accelerating from 9.9% in the preceding year as a result of an increase in Thai tourists, which was propelled by government projects; namely “12 Hidden Cities”, “Slow Life Bike Trips”, “12 Hidden Cities Plus”, and “E-TO GO CARAVAN”, promoted by Tourism Authority of Thailand.

Information and communication

Information and communication increased by 2.7%, compared to 2.9% previously, owing to communications services with an increase of 2.0%, lower than a 2.3% growth in the previous year. Meanwhile, computer programming, consultancy and related activities grew by 6.2%, accelerating from a 4.9% growth in the previous year due to demand for information and related activities. Publishing activities decreased by 7.9% whereas production of motion picture and video and television program increased by 1.3%

Financial and insurance activities

Financial and insurance activities expanded by 5.4%, decelerating from 7.0% in the previous year, due to an increase of operating income of commercial banks and other depository institutions. Such an increase was from an expansion of both credits and deposits. Meanwhile, household loans increased especially in leasing and mortgages in line with a gradual economic recovery. In addition, an income from fees and other services expanded. On the other hand, life and non-life insurances slowed down compared to the previous year.

Real estate activities

Real estate activities expanded by 6.5%, gradually increased from 7.0% in last year. This expansion was attributable to an increase in real estate activities with own or leased property with a growth of 6.9%, slowing down from 7.1% in the previous year. In addition, real estate activities on a fee or contract basis also grew by 2.9%, compared to a growth of 6.0% in preceding year, due partly to reaching termination of transfer fees reduction measure in last year.

Professional, scientific and technical activities

Professional, scientific and technical activities grew by 6.3%, recovering from a 2.3% decrease in the previous year. Such a growth was attributable to an expansion of other management consultancy activities, architectural and engineering activities and related technical consultancy, technical testing and analysis, research and experimental development on natural sciences and engineering, market research and public opinion polling, and veterinary activities.

Administrative and support service activities

Administrative and support service activities rose by 2.4%, accelerating from a 1.4% growth in the preceding year. An expansion was attributable to an increase in travel agency and tour operator in line with higher number of inbound tourist, followed by an increase of renting of personal motor vehicle activities, office administrative and other business supporting activities. Meanwhile, renting of water transport equipment, renting of machinery and office equipment, renting of other machinery and office equipment, activities of other employment placement agencies, security system service activities, investigation activities, and general cleaning of building slowed down.

Education

Education expanded by 0.6%, compared to a rise of 0.7% in the previous year. Public education rose by 0.5%, lower than a 0.8% growth previously. Private education grew by 2.1%, recovering from a fall of 0.5% in the last year, due to a rising number of students in private universities, formal vocational education, and informal vocational education.

Human health and social work activities

Human health and social work activities grew by 3.7%, accelerating from a 3.0% growth in the previous year. Public health services rose by 3.2%, higher than a previous growth of 2.6%. Private health services increased by 4.5%, compared to a rise of 3.6% in the last year, seen in private hospital, clinical activities, and NGOs.

Art, entertainment and recreation

Art, entertainment and recreation increased by 12.1%, compared to a rise of 21.3% in the previous year, as a result of base affect from issuing a new policy allowing lottery reservation in advance, implementing in 2016 which led to a growth of 18.0% in this year, compared to a growth of 34.8% in last year. Meanwhile, botanical activities, sports activities, and creative, arts and entertainment activities decelerated.

Other service activities

Other service activities rose by 4.5%, higher than a 3.9% growth in the previous year. Such a continual expansion was seen in activities of membership organizations, repair of computers and personal and household goods, and other personal service activities. Activities of membership organizations expanded by 3.2%, accelerating from a 1.2% increase in the previous year owing to an expansion in activities of business employers membership organizations, activities of trade unions, activities of religious organization, and activities of other membership organizations. Repair of household goods grew by 5.7%, slightly accelerating from a 5.4% rise in the previous year, due to a continual expansion of repair of household appliances, repair of footwear and leather goods, and repair of other personal and household goods. Other personal service activities rose by 3.5%, slightly accelerating from 3.2% rise in the previous year, in response mainly to an expansion of other personal service activities.

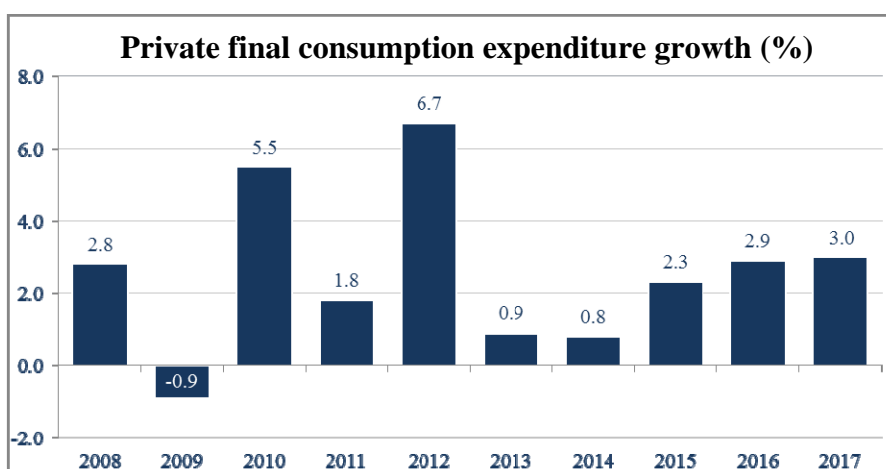
Expenditure on Gross Domestic Product

Private final consumption expenditure in 2017 expanded by 3.0%

Composition of private final consumption expenditure

Private final consumption expenditure in 2017 expanded by 3.0%, accelerating from a growth of 2.9% in 2016

The main contribution factors were from an expansion of farm income which rose from production of main crop price such as sugar cane and soybean. Inflation and interest rate remained low and commercial banks continued to expand especially for personal loan credit along with maintaining high level of Consumer Confidence Index as well as rising in farm income led to an increase in purchasing power. Particularly, spending on durable goods items rose from the previous year as a result of an increase spending on personal vehicles in addition to an increase of semi-durable goods. However, spending on non-durable and net services decelerated.



Private final consumption expenditure in the domestic market excluding non-residents expanded by 2.7%, accelerating from an increase of 2.3% in 2016.

Private final consumption expenditure in the domestic market - including expenditure of non-residents in the country and excluding expenditure of residents abroad expanded by 5.3%, compared to a rise of 4.0% in the previous year. In particular, household final consumption expenditure increased by 5.3% whereas final consumption expenditure of non-profit institutions serving households expanded by 3.7%.

Private final consumption expenditure growth (real term) and structure at current market prices

(%)

Item	Growth rate (real term)			Structure at current prices		
	2015	2016	2017	2015	2016	2017
PCE in domestic market	5.0	4.0	5.3	116.6	117.8	120.3
less: expenditure of non – residents in the country	23.2	12.2	16.9	20.0	21.8	24.6
PCE excluding expenditure of non-residents	2.0	2.3	2.7	96.6	96.0	95.7
plus: expenditure of residents abroad	13.4	20.0	10.6	3.4	4.0	4.3
PCE	2.3	2.9	3.0	100.0	100.0	100.0

PCE**Classified by goods and services items****Household consumption expenditure classified by goods and services items.**

Food and non-alcoholic beverages grew by 2.3% compared to a rise of 2.1% in 2016. Food items expanded by 2.5%, slightly increasing from a growth of 2.4% in the previous year. The contribution factors were seen in seafood, milk, butter, eggs, oil and fat, fruits, and sugar and dessert. Spending on non-alcoholic beverage expanded by 0.6% compared to a rise of 0.3% in the previous year, especially for carbonate water and fruits juices.

Alcoholic beverages and tobacco declined by 0.4%, compared to a decrease of 3.2% in the previous year. Alcoholic beverages reduced by 0.3%, recovering from a decline of 3.5% in 2016 as result of a decrease in consumption of liquor, beer, and wine. Furthermore tobacco consumption dropped by 0.6%, improving from a decrease of 2.5% in the previous year, in line with lower sale volumes of cigarette reported by state-owned Tobacco Monopoly Factory.

Clothing and footwear increased by 2.5%, decelerating from a rise of 3.3% in the previous year, resulting from a decreasing consumption in both clothing and footwear. Spending on clothing and footwear grew by 2.6% and 2.3%, slowing down from a rise of 3.0% and 6.2%, respectively in 2016.

Housing, water, electricity, gas and other fuels remained expanding by 4.3% as same as the previous year. Such an increase resulted from a rise in electricity consumption and expenses on gases and fuels which expanded by 1.4%, decelerating from a rise of 4.7% from 2016. Moreover, household water supply consumption expanded by 1.7%, accelerating from a rise of 1.1% in the previous year. Rental for housing rose by 8.5%, continually expanding from a rise of 7.3% in the previous year.

Furnishing, household equipment and routine maintenance of the house expanded by 2.8% accelerating from a rise of 0.1% in 2016, attributed to an increase in households equipment and routine maintenance by 4.0% from a decrease of 1.1% in the previous year. Moreover, spending on glassware, tableware and household utensils expanded by 5.4% and spending on tools and equipment for house and garden rose by 4.5%.

Health service increased by 3.0%, decelerating from an increase of 4.7% in 2016, characterized from a 4.6% decrease in other medical product decelerating sharply from a growth of 12.8% in the previous year as well as an expenditure of therapeutic appliances and equipment which decreased by 2.7%, in contrast to a rise of 1.7% in the previous year. Moreover, spending on medical services expanded by 0.4% decelerating from 2.3% in 2016.

Transport rose by 8.9% from a rise of 4.3% in 2016, due mainly to recovery of vehicle purchases from 1.5% in 2016 to a growth of 19.8% in 2017 in response to an improvement of passenger cars sale. Meanwhile, personal transportation expanded by 3.0% slowing down from a rise of 7.2% in the previous year. Meanwhile, transport services expanded by 6.2% owing partly to an increase in the number of foreign tourists which led to a upward trend of transport consumption.

Communication expanded by 6.1%, accelerating from an increase of 2.1% in the previous year, owing to an expansion on postal services by 10.0% dramatically increased from a 1.8% decline in the previous year and followed by an increase of spending on postal services. Moreover, spending on telephone services expanded by 6.2%, accelerating from a rise of 2.3% in the previous year which led to an upward trend of communications consumption.

Recreation and culture grew by 8.0% decelerating from a rise of 15.5% in the previous year as a result of a dramatic deceleration in lottery item from 107.2% to 17.5% in 2017. Furthermore, newspaper and periodicals maintained decreasing but recovering from the previous year which decreased by 1.0% from a decrease of 4.2% in last year.

Education increased by 2.5% accelerating from a growth of 0.3% in the previous year in line with a rise in number of students, especially in the tertiary education and other education.

Restaurants and hotels expanded by 10.3% accelerating from an increase of 6.5% in 2016 as a result of an expansion of restaurant and hotel services by 9.4% and 11.5% respectively, which increased from a rise of 4.3% and 9.9% in the previous year, respectively. Such an expansion of restaurants and hotels was from an increase in the number of foreign tourists.

Miscellaneous goods and services grew by 4.8% improving from a rise of 3.4% in the previous year, due to a spending of personal effects which increased by 8.6% compared to an increase of 3.2% in 2016. Moreover, personal services expanded by 6.3%, accelerating from an increase of 2.6% in the previous year. Other services expanded by 4.0%, compared to an increase of 3.0% in the previous year. Financial services increased by 2.7%, decelerating from a rise of 3.9% in the previous year.

Non-profit institutions serving households consumption expenditure grew by 3.7% improving from an increase of by 1.6% in the previous year. Education, health, and social protection rose by 5.9% from 0.5% in 2016. Moreover, other services increased by 1.2%, slowing down from a rise of 2.8% in the previous year.

PCE by durability of 4 factors

Private consumption expenditure classified by durability 4 categories

Durable goods grew by 13.7% sharply accelerating from a rise of 1.0% previously. The main contribution factors were purchase of vehicles which increased by 19.8%, compared to an increase of 1.5% in the previous year. Meanwhile other durable goods; recreation and culture; television and video grew by 13.5% from a decrease of 29.1% in the previous year. In addition, audio visual expanded by 28.2% accelerating from a decline of 2.8% in 2016 and spending on personal effects expanded by 10.8% accelerating from an increase of 1.9% in the previous year.

Semi-durable goods grew by 2.8% rising from a rise of 1.8% in the previous year. Main increased items included spending on small electricity household appliances which expanded by 0.9% compared to a rise of 0.3% in 2016. Meanwhile, spending on glassware, tableware and household utensils increased by 5.4% accelerating from a rise of 0.4% in the previous year. Spending on small tools and miscellaneous accessories expanded by 4.6% accelerating from a decline of 5.2% in 2016. Semi-durable goods of recreation and culture; games and toys expanded by 5.3% recovering from a decline of 3.9% in the previous year. Equipment for sports, camping and open-air recreation expanded by 5.5% compared to a rise of 1.0% in 2016.

Non-durable goods expanded by 2.3% slowing down from an increase of 2.8% in the previous year due primarily to a slowdown in consumption of fuels and lubricants for personal transport equipment which expanded by 2.2% slowing down from a rise of 7.7% in 2016. Furthermore, spending on electricity expanded by 1.4% compared to an increase of 5.8% in the previous year.

Services expanded by 1.3%, decelerating from a growth of 3.7% in the previous year. Such a slowdown was from recreation and culture services which expanded by 17.5%, sharply decelerating from 107.2% in 2016. In addition, miscellaneous goods and services such as personal care expanded by 4.4%, slightly accelerating from a rise of 4.0% in the previous year. Insurance service expanded by 2.5% slightly decelerating from 3.0% and financial intermediation service rose by 2.0% compared to an increase of 4.4% in the previous year. Nevertheless, domestic services excluding expenditure of non-residents in the country and domestic net services consumption for Thai resident continued to increase.

**Private final consumption expenditure classified by purpose (COICOP)
and by durable appearance, growth (real term)
and structure at current market prices**

	Growth rate (%)			Structure (%)		
	2015	2016	2017	2015	2016	2017
By purpose (COICOP)						
Food and non-alcoholic beverages	2.2	2.1	2.3	28.2	28.3	27.6
Alcoholic beverages, tobacco and narcotics	1.6	-3.2	-0.4	3.9	3.9	3.8
Clothing and footwear	1.8	3.3	2.5	5.0	5.1	5.0
Housing, water, electricity, gas and other fuels	4.8	4.3	4.3	10.3	10.1	10.2
Furnishings, household equipment and routine maintenance of the house	3.2	0.1	2.8	4.8	4.6	4.5
Health	3.3	4.7	3.0	5.1	5.2	5.2
Transport	3.1	4.3	8.9	15.2	14.8	16.0
Communications	6.2	2.1	6.1	2.3	2.3	2.3
Recreation and culture	2.3	15.5	8.0	5.6	6.3	6.5
Education	4.3	0.3	2.5	1.4	1.4	1.5
Restaurants and hotels	12.4	6.5	10.3	19.0	19.7	21.4
Miscellaneous goods and services	9.7	3.4	4.8	13.8	14.2	14.3
Individual consumption expenditure of Non-profit institutions serving households (NPISHs)	-0.5	1.6	3.7	2.1	2.0	2.0
plus: Expenditure of residents abroad	13.4	20.0	10.6	3.4	4.0	4.3
less: Expenditure of non-residents in the country	23.2	12.2	16.9	20.0	21.8	24.6
Private consumption expenditure	2.3	2.9	3.0	100.0	100.0	100.0
By durable appearance						
Durable goods	-2.0	1.0	13.7	8.7	8.8	9.6
Semi-durable goods	4.5	1.8	2.8	9.3	9.3	9.2
Non-durable goods	3.7	2.8	2.3	46.1	45.9	45.5
Services	1.1	3.7	1.3	35.9	36.0	35.8

Composition of general government final consumption expenditure

General government final consumption expenditure in real term increased by 0.1%

General government final consumption expenditure at current market price registered with the value of Baht 2,529,944 million, increased by 2.6%. Government compensation of employees valued at Baht 1,411,047 million or increased by 4.0% due partly to a rise in wages and salaries along with remuneration by 7.8% and 18.3%, respectively. Meanwhile, purchases from enterprises and abroad with the value of Baht 722,556 million, slightly rose by 1.1% partly in accordance with an expansion of public utility and service other than personnel. Consumption of fixed capital registered the value of Baht 286,106 million - a 4.6% increase. Social transfers in kind – purchased market production valued at Baht 261,504 million with an increase of 0.5%.

By function of the government, total general government final consumption at current market with the value of Baht 2,529,944 million composed of education service with a 29.6% share of general government final consumption expenditure. The rest of government service by function comprised 17.1% share for health service, 14.2% share for general public service, 12.4% share for economic affair, 10.3% share for defence, 8.9% share for public order and safety, and 7.4% share for remaining of instance housing and community amenities, recreation, culture and religion, environmental, and social protection.

General government final consumption expenditure in real term grew by 0.1%, owing to a 0.6% increase for compensation of employees, 1.7% for consumption of fixed capital. Besides, both purchase from enterprises and abroad and social transfers in kind – purchased market production decreased equally by 0.1% while purchase by households and enterprises increased by 6.1%.

Gross capital formation

Gross capital formation or investment at current market prices recorded the value of Baht 3,528,615 million, consisting of gross fixed capital formation and change in inventories with the value of Baht 3,580,885 million and the decline value of Baht 52,270 million, respectively.

Gross fixed capital formation in real terms expanded by 1.8%, slowing down from 2.9% in 2016 as a result of private investment which grew by 2.9%, improving from an expansion of 0.6% in 2016. On the other hand, public sector investment contracted by 1.2%, decelerating from 9.5% in 2016.

Investment (by type of institutions)

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2015	2016	2017	2015	2016	2017
Construction	1,159,732	1,223,201	1,212,174	15.7	8.0	-2.1
Private	529,357	524,010	526,729	0.3	1.1	-0.9
Public	630,375	699,191	685,445	32.6	13.9	-3.0
Equipment	2,211,337	2,234,411	2,368,711	-0.9	0.1	3.9
Private	1,976,806	2,004,671	2,128,386	-2.7	0.4	3.9
Public	234,531	229,740	240,325	17.7	-2.2	4.3
Investment	3,371,069	3,457,612	3,580,885	4.4	2.9	1.8
Private	2,506,163	2,528,681	2,655,115	-2.1	0.6	2.9
Public	864,906	928,931	925,770	28.4	9.5	-1.2

Private Investment

Private investment at current market prices registered the value of Baht 2,655,115 million, consisting of Baht 526,729 million for private construction and Baht 2,128,386 million for private machinery and equipment. Private investment in real terms increased by 2.9%, improving from an expansion of 0.6% in 2016.

Private Investment

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2015	2016	2017	2015	2016	2017
Construction	529,357	524,010	526,729	0.3	1.1	-0.9
Residential	295,710	293,168	297,375	-0.8	2.3	0.1
Non-residential	158,754	147,773	150,369	1.4	-4.1	0.3
Others	57,532	65,225	61,007	2.7	8.0	-8.0
Cost of ownership transfer	17,361	17,844	17,978	1.5	5.4	-0.8
Machinery and equipment	1,976,806	2,004,671	2,128,386	-2.7	0.4	3.9
Private Investment	2,506,163	2,528,681	2,655,115	-2.1	0.6	2.9

Private construction at current market prices recorded the value of Baht 526,729 million, consisting of residential, non-residential, and other constructions with the value of Baht 297,375 million, Baht 150,369 million, and Baht 61,007 million, respectively. Private construction in real terms decreased by 0.9%, compared to an expansion of 1.1% in 2016 as a result of residential buildings which grew by 0.1%, slowing from a 2.3% growth in the previous year. Other construction contracted by 8.0% from an 8.0% growth in the previous year.

Private investment on equipment and machineries at current prices posted the value of Baht 2,128,386 million which rose by 3.9% in real term, improving from a 0.4% increase in 2016. Such an expansion was attributed to an increase in imported capital goods of office machinery. Moreover vehicles and transport equipment also expanded due to an increase in truck and buses.

Public investment

Public investment at current market prices posted at the value of Baht 925,770 million, comprising public construction and public machinery and equipment with the value of Baht 685,445 million and Baht 240,325 million, consecutively. Public investment in real terms shrank by 1.2%, in comparison to a rise of 9.5% in 2016.

Public investment

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2015	2016	2017	2015	2016	2017
Construction	630,375	699,190	685,445	32.6	13.9	-3.0
Residential	18,863	18,080	15,398	-15.2	0.2	-15.2
Non-residential	149,717	129,550	133,456	47.0	-9.4	2.7
Others	461,795	551,560	536,592	31.6	22.0	-4.0
Machinery and equipment	234,531	229,740	240,325	17.7	-2.2	4.3
Public investment	864,906	928,931	925,770	28.4	9.5	-1.2

Public construction at current market prices registered the value of Baht 685,445 million, consisting of residential, non-residential, and other constructions with the value of Baht 15,398 million, Baht 133,456 million, and Baht 536,592 million, respectively. The real value of public construction dropped by 3.0%, in contrast to an expansion of 13.9% in 2016 due to a decrease of disbursement of government investment project particularly loans on development and management project for water resources management system and urgent-phase for road transport system. Meanwhile, the state enterprises construction maintained ongoing projects such as housing development projects of the National Housing Authority, main water supply plans of Metropolitan Waterworks Authority, the Green Line Project (Mo Chit - Saphan Mai - Khukhot) of the Mass Rapid Transit Authority of Thailand, and the Laemchabang Container Port Development Project and the Laemchabang Port Development Project under the Port Authority of Thailand.

Public machinery and equipment at current market prices valued at Baht 240,325 million. The real value of public machinery and equipment increased by 4.3% improving from a 2.2% contraction in the previous year. There were two imported aircrafts of Thai Airways International Public Company in this year

.Investment (by type of assets)

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2015	2016	2017	2015	2016	2017
Tangible fixed assets	3,270,124	3,333,073	3,442,619	4.4	2.3	1.6
Residential	314,573	311,248	312,773	-1.8	2.1	-0.8
Non-residential	800,134	819,525	811,055	33.6	3.2	-1.7
Machinery and equipment	2,150,867	2,196,026	2,311,166	-3.4	2.0	3.2
Cultivated assets	4,550	6,275	7,625	15.6	31.2	18.1
Intangible fixed assets	83,585	106,694	120,288	2.1	22.4	7.8
Mineral exploration	34,108	63,234	68,805	-3.5	80.8	1.2
Software	49,477	43,460	51,482	6.4	-17.8	17.4
Cost of ownership transfer	17,361	17,844	17,978	1.5	5.4	-0.8
Investment	3,371,069	3,457,611	3,580,884	4.4	2.9	1.8

Investment classified by type of assets

Tangible fixed assets at current market prices recorded the value of Baht 3,442,619 million, composing of residential construction, non-residential construction, machinery and equipment, and produced assets with the value of Baht 312,773 million, Baht 811,055 million, Baht 2,311,166 million, and Baht 7,625 million, respectively. The real value of tangible fixed assets expanded by 1.6%, lower than an increase of 2.3% in 2016, attributed to a 0.8% decrease in residential construction, compared to a rise of 2.1% in 2016. Other constructions dropped by 1.7%, in contrast to an expansion of 3.2% in 2016. Likewise, machinery and equipment grew up by 3.2% improving from 2.0% growth in 2016, cultivated assets increased by 18.1% compared to 31.2% in 2016.

Intangible fixed assets at current market prices posted the value of Baht 120,288 million, consisting of mineral exploration and computer software with the values of 68,805 million and Baht 51,482 million, respectively. The real value of intangible assets rose by 7.8% decelerating from an expansion of 22.4% in the previous year, attributed to a 1.2% rise in mineral exploration in 2016 compared to a sharp rise 80.8% in 2016.

Cost of ownership transfer at current market prices valued at Baht 17,978 million. The real value decreased by 0.8%, in contrast to an increase of 5.4% in 2016.

Change in inventories

Change in inventories at the current price recorded a decrease of Baht 52,270 million in 2017. Accumulated stock of manufacturing, rice and crude oil slowed down while stock of agricultural products and monetary gold slightly increased. Stock of rice decreased from a slight increase of rice production whilst higher of rice export and domestic consumption. Decrease in stock was seen from manufacturing goods, namely motor vehicle, plastic and synthetic rubber as well as soap and detergent. Decrease in motor vehicle was from higher domestic demand as a result of domestic economic expansion and launched new domestic motor vehicle model. On the contrary, an increase in stock of manufacturing goods was found from general purpose machinery, wire and cable, and basic chemicals. Moreover, stock of monetary gold increased due to higher imports in line with falling in the world gold price. For agricultural goods, increase of stocks was from paddy and cassava. Consequently, the overall change in inventories declined in this year.

External Sectors

Both exports on goods and services receipts grew up.

Imports on goods and services increased.

Exports of goods and services

Exports of goods and services in 2017 at current market prices registered at Baht 10,534,707 million, expanded by 5.8%, accelerating from a 5.4% growth in 2016, resulting from continual growing in exports after declining in 2015. Meanwhile, service receipts slowed down.

Merchandise exports in 2017 at current prices posted the value of Baht 7,974,045 million, increased by 5.5% from 3.1% in 2016, as a result of favorable growth of agricultural products and manufacturing products. Export growing in agricultural products was from rice and rubber. Particularly, value of rice grew at the high level because Iran and Bangladesh returned to import rice from Thailand once again over the past several years. In addition, major African rice markets such as Benin, South Africa, and Cameroon also grew up at the high level. Export rubber was originated from China market, the major importer. Export value of manufacturing products increased from electronic products, in particular, communications devices which influenced from higher demand for telecommunications equipment and the internet connection in the global market. Exports of pickup and truck returned to expand in response to Australian demand. Moreover, major manufacturing products also expanded such as electrical appliances, metal and petroleum products. However, export of fishery products sharply slowed down due to falling in shrimp exports. Overall exports grew up in line with economic situation of major trading partners such as Japan, U.S.A., European Union and China. However, exports declined in Australia and Middle East. Meanwhile, export prices decreased slightly by 0.2% whereas exports volume expanded by 5.7%, accelerating from 0.3% in 2016.

Service receipts at a current market prices valued at Baht 2,560,662 million, increased by 7.0% due to an expansion of the number of foreign tourists, especially ASEAN, East Asia, Europe and U.S.A. led to expansion of travel and transport receipts. In addition, other business services also increased.

Imports of goods and services

Imports of goods and services at current market prices posted the value of Baht 8,397,737 million, expanded by 7.6% compared to a drop of 0.7% in 2016, due to an expansion of both imported goods and services.

Merchandise imports at current market prices registered the value of Baht 6,815,779 million, grew by 8.7% in contrast to a 2.1% fall in 2016. Such a growth was found in all categories. Imports of consumer goods rose from animal & fishery products and food beverages and dairy products. Imports of intermediate goods and raw materials expanded, especially in main products such as crude oil, electronic parts and metals, etc., in line with production and exports of manufacturing products, particularly electronic products in response to global market demand. Imports of capital goods expanded from communications products and aircrafts in line with investment in machinery and equipment. Meanwhile, import prices level and imports volume increased by 1.2% and 7.4%, respectively.

Service payments at current market prices posted the value of Baht 1,581,958 million, expanded by 3.0% attributed to an expansion of freight and travel service payments in line with international trade and the number of outbound Thai tourists. Meanwhile, other business services shrank.

Trade and services balance and current account

Current account surplus maintained at the high level.

Trade and services balance at current market prices presented a surplus of Baht 2,136,970 million, slightly lower than surplus of Baht 2,147,890 million in 2016, a surplus derived from both trade and service balance. Trade surplus of Baht 1,158,266 million was slightly lower than Baht 1,289,479 million surplus in 2016. Service balance posted a surplus of Baht 978,704 million, kept increasing from Baht 858,411 million in 2016. Primary income (net factor income) showed a deficit of Baht 689,834 million, compared to a deficit of Baht 685,365 million in 2016. Secondary income registered surplus value at Baht 255,338 million, higher than a surplus in 2016. Ultimately, aggregation of all components, current account registered surplus of Baht 1,702,474 million, slightly decreasing from a surplus of Baht 1,703,101 million in 2016.

Trade and services balance and current account at current market prices

Items	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Exports	9,444,693	9,954,354	10,534,707	3.0	5.4	5.8
Goods	7,331,655	7,560,314	7,974,045	-0.4	3.1	5.5
Services	2,113,038	2,394,040	2,560,662	17.1	13.3	7.0
Imports	7,861,679	7,806,464	8,397,737	-4.9	-0.7	7.6
Goods	6,407,028	6,270,835	6,815,779	-5.8	-2.1	8.7
Services	1,454,651	1,535,629	1,581,958	-1.0	5.6	3.0
Trade and services balance	1,583,014	2,147,890	2,136,970			
Percentage to GDP (%)	11.5	14.8	13.8			
Primary income	-708,973	-685,365	-689,834			
Secondary income	229,089	240,576	255,338			
Current account balance	1,103,130	1,703,101	1,702,474			
Percentage to GDP (%)	8.0	11.7	11.0			

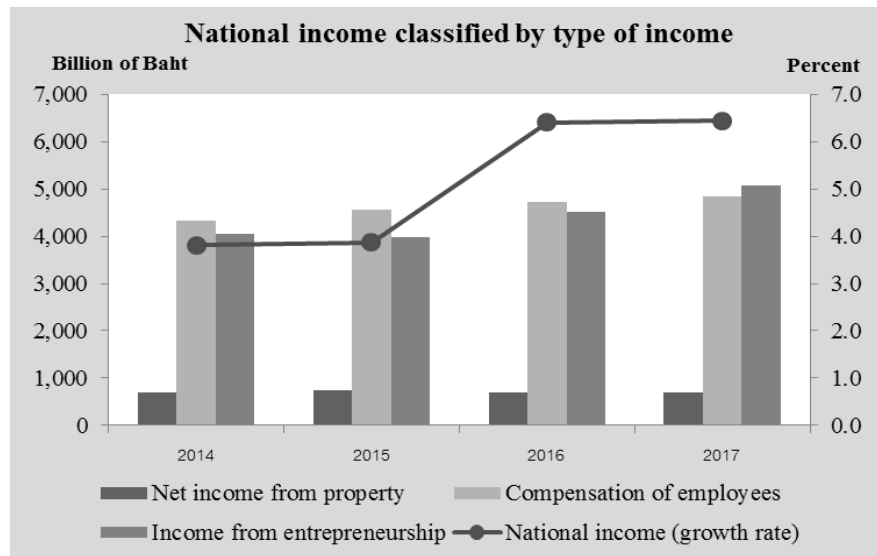
Exchange rate

Exchange rate in 2017 averaged at 33.9 Thai Baht per U.S. dollar, appreciating from 35.3 Thai Baht per U.S. dollar in 2016.

National income and savings

National income

National income in 2017 at current market prices valued at Baht 14,762,125 million, growing by 6.4%. Compensation of employees, 32.8% of national income, rose by 2.7%. Return on capital, land and entrepreneurs, 39.1% of national income, built up by 10.7%, principally due to entrepreneurship's return expanded as a high rate as previous year. However, net property income contracted from 2016. Furthermore, taxes on production and imports less subsidies and consumption of fixed capital increased by 5.1% and 5.4%, respectively.



Type of income	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Compensation of employees	4,554,169	4,717,282	4,843,384	5.3	3.6	2.7
Income from property and entrepreneurship	4,731,847	5,212,526	5,770,810	-0.2	10.2	10.7
Income from property (Net)	742,843	701,193	685,181	8.1	-5.6	-2.3
• Households & Non-profit institutions	717,236	682,463	659,760	7.0	-4.8	-3.3
• Government	25,607	18,730	25,421	49.9	-26.9	35.7
Income from entrepreneurship	3,989,004	4,511,333	5,085,629	-1.6	13.1	12.7
• Households & Non-profit institutions	2,537,406	2,782,756	3,011,056	-3.5	9.7	8.2
• Corporations	1,451,598	1,728,578	2,074,573	1.8	19.1	20.0
Taxes on production and imports less subsidies	1,403,640	1,451,010	1,525,180	10.5	3.4	5.1
Consumption of fixed capital	2,344,834	2,488,386	2,622,751	5.9	6.1	5.4
National income	13,034,490	13,869,204	14,762,125	3.9	6.4	6.4
Population (1,000 persons)	67,236	67,455	67,654	0.3	0.3	0.3
National income per capita (Baht)	193,862	205,607	218,200	3.5	6.1	6.1

Compensation of employees

Compensation of employees expanded by 2.7%, slower than 3.6% in preceding year.

Compensation of employees or return on labor in 2017 amounted at Baht 4,843,384 million, equivalent to 32.8% of Gross National Income (GNI), increased by 2.7%, slower than a 3.6% rise in 2016. Compensation of employees decelerated in both public and private sectors. In addition, wages and salaries and employers' social contributions and other welfare increased by 2.3% and 5.2%, respectively. In 2017, new minimum wage enforcement was implemented with 5-10 Baht per day increasing in various provinces instead of maintaining 300 Baht per day in the whole country. However, there was a minimum wage 300 Baht per day in some provinces, so an average minimum wage slightly increased. Meanwhile, salaries in government sector were increased only on an annual regular rising, without extra salary account adjustment. Labor force survey by the National Statistical Office (NSO) in 2017 indicated that employed persons fell by 0.6%. Private employees, 80.6% proportion of total employees, diminished by 0.1%, while number of public employees slightly increased.

Compensation of employees by economic activities

Sector	Value at current prices (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Agricultural sector	187,482	189,084	195,598	-7.7	0.9	3.4
Agriculture, forestry and fishing	187,482	189,084	195,598	-7.7	0.9	3.4
Non-agricultural sector	4,346,252	4,506,171	4,638,523	6.1	3.7	2.9
Industrial	1,358,017	1,387,339	1,404,539	6.6	2.2	1.2
Manufacturing	1,221,541	1,249,864	1,264,270	6.4	2.3	1.2
Others	136,476	137,475	140,269	8.7	0.7	2.0
Services	2,988,235	3,118,832	3,233,984	5.8	4.4	3.7
Construction	197,968	204,283	200,630	3.1	3.2	-1.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	426,209	449,586	473,451	4.5	5.5	5.3
Transportation and storage	164,155	170,985	176,023	8.2	4.2	2.9
Accommodation and food service activities	133,351	146,853	165,564	13.6	10.1	12.7
Financial and insurance activities	308,564	320,598	326,587	6.2	3.9	1.9
Public administration and defence; compulsory social security	626,484	654,304	679,223	5.1	4.4	3.8
Education	561,077	578,387	595,158	5.1	3.1	2.9
Human health and social work activities	242,562	259,578	274,586	8.3	7.0	5.8
Others	327,864	334,258	342,762	5.6	2.0	2.5
The rest of the world	20,435	22,027	9,263	-9.6	7.8	-57.9
Total	4,554,169	4,717,282	4,843,384	5.3	3.6	2.7

Private and Public compensation of employees

Public compensation of employees, 34.9% share of total compensation of employees, raised by 3.2%, lower than 4.1% in 2016. Government compensation of employees increased by 4.0% whereas compensation of employees of state enterprises dropped by 0.3%. Private compensation of employees (net compensation of employees from abroad included), 65.1% of total compensation of employees, increased by 2.4%, slower than 3.3% in 2016. Compensation of employees in agricultural sector accelerated in contrast to deceleration in non-agricultural sector.

Compensating of employees in agricultural sector increased, while that of non-agricultural sector slowed down.

Compensation of employees by sector

Compensation of employees in agricultural sector recorded the value at Baht 195,598 million, 4.0% proportion of total compensation of employees, expanded by 3.4%, improving from 0.9% in 2016. These were originated from an increase in employment and planting area as well as an increase in cultivated farms. Furthermore, major crop yield also increased in line with higher precipitation level.

Compensation of employees in non-agricultural sector valued at Baht 4,638,523 million, 95.8% of total compensation of employees, boosted up by 2.9%, lower than 3.7% in the previous year.

Compensation of employees in industrial sector, 29.0% of total compensation of employees, expanded by 1.2%, lower than 2.2% in 2016. Compensation on employees in manufacturing, the largest proportion, increased by 1.2%, less than 2.3% in 2016. Compensation of employees in mining and quarrying expanded by 2.7%, better than 3.6% reduction in the preceding year. Compensation of employees in electricity, gas, steam and air condition supply together with water supply; sewerage, waste management and remediation activities grew up by 1.2% and 8.2%, respectively.

Compensation of employees in services sector, 66.8% of total compensation of employees, increased by 3.7%, lower than a growth of 4.4% in 2016. Compensation of employees in wholesale and retail trade; repair of motor vehicles and motorcycles and accommodation and food service activities built up by 5.3% and 12.7%, respectively, driven by production expansion in line with the improvement of Thais and foreign tourist consumption expenditure in the domestic market, led to better employment situation and average compensation of employees in these two activities. Compensation of employees in transportation and storage grew up by 2.9%, less than 4.2% in the previous year. In addition, compensation of employees of transportation showed a positive sign from private operators, in contrast to the lower of compensation of employees of state enterprises. Compensation of employees in financial and insurance activities expanded by 1.9%, decelerating from 3.9% in 2016, mainly originated from lower compensation of employees in commercial bank in contrast to higher for insurance business. Compensation of employees in public administration and defence; compulsory social security, education and human health and social work activities expanded by 3.8%, 2.9% and 5.8%, compared to a growth of 4.4%, 3.1% and 7.0% in 2016, respectively. These were affected from deceleration in public compensation of employees in all 3 activities. Economic activities with lessening in compensation of employees consisted of construction and activities of households as employers. In addition, compensation of employees in other activities of services sector grew up 2.5%, better than 2.0% in the preceding year.

Net compensation of employees from the rest of the world registered at Baht 9,263 million, declined by 57.9% from the previous year. In particular, compensation of employees from the rest of the world fell by 11.2% whereas compensation to the rest of the world expanded by 7.0%.

Returns on land, capital, and entrepreneurs

Net return on land, capital, and entrepreneurship posted the value at Baht 5,770,810 million, 39.1% of national income, grew up at the rate of 10.7%, slightly accelerating from 10.2% in 2016.

Income from farms and households and non-profit institutions serving households (NPISHs) mixed income registered at Baht 3,011,056 million, equivalence to 20.4% of Gross National Income, grew up by 8.2%, slowed down from a 9.7% increase in 2016. Income from farm expanded by 3.9%, accelerating from 1.5% in the preceding year, due greatly to a rebound in agricultural production after 3 consecutive years contraction for example paddy, rubber, oilseed plant and sugarcane. Moreover, other self-employed and unincorporated enterprise income revealed in favorable expansion even it a bit deceleration.

Income from entrepreneurship or profit of corporations showed the value of Baht 2,074,573 million, expanded by 20.0%, attributed to favorable rate of growth of private corporations and government enterprises.

Households and non-profit institutions serving households (NPISHs) net income from property presented Baht 659,760 million, decreased by 3.3%, from a 4.8% fall in 2016, resulting from a decline of income receipt whereas income payment rose.

Households and private non-profit institutions income from property

Item	Growth rate (%)			Structure (%)		
	2015	2016	2017	2015	2016	2017
Income						
Interest received	-6.6	-7.9	-6.0	25.3	24.0	21.9
from banks	-4.8	-10.6	-4.9	23.1	21.3	20.6
from others	-22.1	21.4	-14.8	2.1	2.7	2.3
Dividends	14.3	-3.7	-2.0	52.1	51.6	51.3
Rent	-2.4	1.2	-0.2	7.5	7.8	7.9
Others	5.2	6.5	6.4	15.1	16.6	17.9
Total	5.6	-2.8	-1.4	100.0	100.0	100.0
Expense						
Interest paid	4.3	0.0	2.5	66.5	65.7	66.0
Rent	-2.4	1.2	-0.2	22.4	22.4	21.9
Others	5.9	8.6	4.2	11.1	11.9	12.1
Total	2.9	1.2	2.1	100.0	100.0	100.0

Households and NPISHs property receipt posted value at Baht 1,032,959 million or decreased 1.4% from a fall of 2.8% in 2016 as a result of interest and dividend income, the two main items decreased by 6.0% and 2.0%, respectively. Especially, interest income from commercial banks continued to decline. Although, average deposit of households and non-profit institutions increased slightly, average deposit interest rate in 2017 declined lower than the previous year. As a result, interest on deposits for households and non-profit institutions dropped by 4.9%, recovering from a 10.6% decline in the previous year. Household dividends from business sector fell by 2.0%, kept declining from a 3.7% in 2016. Particularly, households dividends receipt from private corporations was important factor, the main post declined from last year. However, household dividends receipt from cooperatives and state enterprises increased by 9.2% and 23.4%, respectively. Income from rent of agricultural land decreased by 0.2% whereas other benefits income continued to expand continuously.

Households and NPISHs property payment posted the value of Baht 373,199 million, or increased by 2.1% from a 1.2% growth in 2016. Interest payment, the major part of expenditures, expanded by 2.5%, rising from higher interest of both households and NPISHs paid to banks, pawnshops and cooperatives as a result of increasing in personal loans. Meanwhile, an average loan interest rate was slightly lower than the previous year for other mortgage and interest expenses including rent for agricultural land, which value this year decreased from 2016.

General government income from property consisted of income from rent, interest, and dividends which increased by 3.3%, compared to 2.9% in 2016. The decrease was mainly from rent income which decreased by 13.4%, attributed to a fall of extra-received benefits from petroleum royalty. Income from interests fell by 1.1%, owing partially to a decrease in interest on loans from student loan funds and deposit return from financial institutions. Meanwhile, dividend income increased by 7.4%, attributed to a rise in dividend from income of state enterprises and extra revenue from the net profit from the operation of the Government Lottery Office.

General government income from property

Item	Growth rate (%)			Structure (%)		
	2015	2016	2017	2015	2016	2017
Rent	-22.2	177.1	-13.3	3.3	8.7	7.3
Interest received	6.4	-2.5	-1.1	20.6	19.5	18.7
From Banks	6.1	-5.9	4.3	17.6	16.1	16.3
From others	8.5	17.9	-26.7	2.9	3.4	2.4
Dividend	9.0	-6.7	7.4	58.3	52.8	54.9
Investment income on pension entitlement	5.9	8.6	4.2	17.9	18.9	19.1
Total	6.5	2.9	3.3	100.0	100.0	100.0

Saving and saving - investment gap

Gross saving posted the value at Baht 5,231,089 million, equivalent to the 10.1% rate of growth, lower than a 13.8% expansion in 2016. Net saving posted the value at Baht 2,335,400 million, maintained a growth of 22.6% the same as the preceding year. An expansion of net saving mainly influenced from high level rising rate in government's net saving because of Baht 75,538 million deficit in 2017 less than larger amount deficit of Baht 148,684 million in 2016. Net saving of public corporations and government enterprises slowed down. Net saving of private sector grew by 18.9%, lower than a 24.3% increase 2016, on account of a slowdown in both households and NPISHs and corporations and cooperatives. Consumption of fixed capital registered at Baht 2,622,751 million, grew by 5.4%, gradually slowing down from the preceding year.

Saving and gross capital formation

Item	Value at current price (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Gross capital formation	3,072,445	3,047,754	3,528,615	-2.9	-0.8	15.8
• Private sector	2,506,163	2,528,681	2,655,115	-2.6	0.9	5.0
• Public sector	864,906	928,931	925,770	25.2	7.4	-0.3
• Change in inventories	-298,624	-409,858	-52,270	-204.0	-37.2	87.2
Gross saving	4,175,575	4,750,855	5,231,089	14.0	13.8	10.1
• Net saving	1,553,834	1,905,471	2,335,400	7.4	22.6	22.6
• Depreciation	2,344,834	2,488,386	2,622,751	5.9	6.1	5.4
• Discrepancy	276,907	356,998	272,938			
Saving-investment gap	1,103,130	1,703,101	1,702,474	121.7	54.4	0.0
Saving-investment gap to GDP (%)	8.0	11.7	11.0			

Private net saving

Private net saving comprised households and NPISHs, private corporations and cooperatives presented the value of Baht 2,195,376 million, rose by 18.9%, less than 24.3% in 2016.

1) Net saving of households and non-profit institutes

Households and NPISHs net saving showed the value at Baht 927,913 million, grew by 14.7%, due to consecutive expansion of disposable income which affected by higher growth rate of income than of payment. Moreover, private final consumption expenditure grew at a lower rate than disposable income, so households and NPISHs net saving expanded.

Households and NPISHs income valued at Baht 9,620,009 million, increased by 4.5%, compared to the preceding year, supported by growing of both primary and secondary income receivable. Primary income receivable, the principal source of income, increased by 4.0%, consisted of (1) compensation of employees, 50.3% of households and NPISHs income, increased by 2.7% (2) households and NPISHs mixed income, 31.3% of total income, expanded by 8.2% and (3) property income fell by 1.4% owing to a decrease in interest income and dividend from private corporations in accordance with a lower interest rate and dividend payout ratio. Secondary income receivable comprising social benefit other than social transfers in kind and other current transfers grew by 11.1%.

Primary and secondary income payment, inevitable expenses, valued at Baht 1,307,119 million, increased by 1.9%, lower than a growth of 5.2% in 2016. Property income payable rose by 2.1%, enhancing from 1.2% in 2016. Income taxes diminished by 3.0%, falling from a 3.6% growth in 2016. In contrast, net social security contribution lifted up by 5.6% and current transfer to government and abroad inclined.

Personal income, expenditure and saving

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Personal income	8,779,428	9,207,503	9,620,009	2.1	4.9	4.5
Personal outlay	1,219,513	1,282,361	1,307,119	8.8	5.2	1.9
Disposable personal income	7,559,915	7,925,142	8,312,890	1.1	4.8	4.9
Less Private consumption expenditure	7,011,869	7,251,013	7,529,368	1.1	3.4	3.8
Plus adjusting with benefit from funds ¹	134,843	135,150	144,391	2.8	0.2	6.8
Personal savings	682,889	809,279	927,913	1.2	18.5	14.7
Disposable personal income per capita (Baht)	112,439	117,488	122,874	0.8	4.5	4.6
Personal outlay per capita (Baht)	104,287	107,494	111,292	0.8	3.1	3.5
Personal savings per capita (Baht)	10,157	11,997	13,716	0.8	18.1	14.3

Remark 1/ only government funds such as social security fund (subsidies and elderly plan), private teacher aid fund, Bangkok government pension fund, and local government pension fund

Income of households and NPISHs was greater than payment, led to a 4.9% growth of households and NPISHs disposable income, slightly higher than a 4.8% rise in the preceding year. After deducting private final consumption expenditure with a 3.8% growth and adjusting change in pension entitlement, households and NPISHs net saving revealed the rate of growth at 14.7%. In other words, average households and NPISHs net saving was at Baht 13,716 per person, rising by 14.3%.

2) Net saving of private corporations and cooperatives

Private corporations and cooperatives net saving which adjusted by national accounts definition, recorded the value at Baht 1,267,463 million, increased by 22.3%, lower than a growth of 29.3% in 2016. Private corporations net saving registered at Baht 1,255,795 million, boosting up by 22.4%, mainly originated from expansion of listed companies in the Stock Exchange of Thailand (private commercial banks and public corporations excluded) and other private corporations. On the other hand, commercial banks, international net saving and international transfer declined. Furthermore, cooperatives saving posted at Baht 11,668 million, kept the rate of growth similar to the preceding year at 7.6%.

Net saving

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
Net savings	1,553,834	1,905,471	2,335,400	7.4	22.6	22.6
Private sector	1,484,869	1,845,944	2,195,376	-2.1	24.3	18.9
• Households	682,889	809,279	927,913	1.2	18.5	14.7
• Corporations & cooperatives	801,980	1,036,665	1,267,463	-4.7	29.3	22.3
Public sector	68,965	59,527	140,024	200.4	-13.7	135.2
• Government	-56,367	-148,684	-75,538	64.3	-163.8	49.2
• Enterprises	125,332	208,211	215,562	40.5	66.1	3.5
Gross saving	4,175,575	4,750,855	5,231,089	14.0	13.8	10.1
Gross savings to GDP (%)	30.4	32.6	33.9			

Public net saving

Public net saving consisting of general government, public corporations and government enterprises presented the value at Baht 140,024 million, extremely boosting up by 135.2%. Government net saving recorded deficit at Baht 75,538 million, better than Baht 148,684 million deficit in 2016. Public corporations and government enterprises net saving posted at Baht 215,562 million, rose by 3.5%, decelerating from a rise of 66.1% in the preceding year.

1) General government net savings

General government net savings recorded the deficit value of Baht 75,538 million, considered to be the fourth consecutive year deficit. However, it improved from the deficit of Baht 148,684 million in 2016. In 2017, revenues of general government registered the value of Baht 4,545,562 million, an increase of 5.4% whereas the major item income from taxes decelerated by 5.8%. Meanwhile, total use of gross income posted at Baht 4,190,603 million, which increased by 3.4% less than 6.1% in 2016. In the meantime, the value of adjustment for the change in pension entitlement valued Baht 144,391 million, or increased by 6.8%. Consumption of fixed capital valued at Baht 286,107 million, or rose by 4.6%. Consequently, general government net saving increased by 49.2%, compared to a 163.8% decrease in 2016.

An increase in general government income in 2017 came mainly from taxes on production and imports, property holdings, general government income from property, and current taxes on income, which showed an increase, enabled to categorize as follows.

General government income, expenditure and savings

Item	Value at current prices			Growth rate (%)		
	2015	2016	2017	2015	2016	2017
General government income	4,158,847	4,313,169	4,545,562	6.8	3.7	5.4
General government expenditure	1,466,312	1,588,380	1,660,658	2.4	8.3	4.6
Disposable general government income	2,692,535	2,724,789	2,884,904	9.4	1.2	5.9
<u>Less</u> Final consumption expenditure	2,353,042	2,464,910	2,529,944	5.1	4.8	2.6
<u>Less</u> Adjustment for the change in pension entitlement ^{1/}	134,843	135,150	144,391	2.8	0.2	6.8
<u>Less</u> Consumption of fixed capital	261,017	273,413	286,107	4.7	4.8	4.6
General government net savings	-56,367	-148,684	-75,538	64.3	-163.8	49.2

Remark1/ only government funds such as social security fund (subsidies and elderly plan), private teacher aid fund, Bangkok government pension fund, and local government pension fund

Taxes on production and imports regarded as the main source of revenues with the proportion of 34.9%, increased by 4.4%, owing to an increase in the value of government taxes collection.

Expansion of taxes revenue were from: (1) Value added taxes (VAT) as a result of an increase in vat collection originating from importing raw materials, intermediate products as well as oil products. The main reason was from maintaining the same level of crude oil price in global market between this year and last year. Moreover, value added tax on consumption still expanded including accommodation sector (as a result of the expansion from number of tourists), the association of financial service and insurance and beverage production; (2) Liquor tax and stamp; (3) Specific business tax due to an increase in tax collection from the commercial banks which was from an expansion of commercial banks loan. However, the Department of Lands experienced in a transfer fee collection decrease due to base effect irregular high last year as a result of boosting real estate measure, effective from 29 October 2015 to 28 April 2016 and (4) Non-alcoholic beverage tax, on the other hand, decelerated distributable to: (1) Oil and oil products tax as a result of the lower price in the global market, even though some kinds of oil tax rates were risen which caused higher amount for oil and oil product collection in 2017 higher than the previous year; (2) Import excise tax; (3) Income from the Government Lottery Office and (4) Motor-vehicle tax.

Taxes Declining of tax revenue was from: (1) Tax on brewery; (2) Petroleum royalty due to lower turnover as a result of a continuous reduction of crude oil price and natural gas (liquid) since the end of 2014, affecting turnover and profits of petroleum producers which was seen from lower tax collection on net profit, expected net profit and profit distribution to abroad; (3) Income from Thailand Tobacco Monopoly and (4) Tobacco tax and stamp.

Property Income from government and Investment income payable on pension entitlements with the share of 5.2% of total government revenue increased by 3.3%, as a result of an income from dividend with the share of 54.9% of total government property income, increased by 7.4%, partly contribute to income from Government Saving Bank, Expressway Authority of Thailand and Government Housing Bank. Meanwhile, other property incomes including investment income from pension entitlements increased by 4.2%, which was lower than the previous year, due to a recession of dividend and interest receipt (child and senility allowance program) from social security fund. However, interest income decreased by 1.1% due to a decrease in return of deposit from financial institutions and return of student loan and rents decreased by 13.3%, attributed to a decrease from extra-received benefit from petroleum royalty.

Current taxes on income, wealth, etc. with the share of 22.5% of total government revenue rose by 8.2%. Tax expansion was found from corporate income tax, which increased 15.2%. There were 3 main reasons contributed to the growth:

(1) Tax on net profit and expected net profit was higher than the previous year by 0.5% as result of higher corporate income tax for the year 2016 collected in 2017. Similarly, tax collection on expected net profit increased, according to an economic expansion during the first half of 2017, especially for production of coke and refined petroleum sector, electricity, gas, steam and air conditioning sector as well as food production sector. Tax collection on net profit was lower compared to base effect in the previous year since there was a new high standard from the correction of tax calculation; (2) Tax collection on service fees and profit distribution abroad decreased by 1.6%, as a result a decrease in corporate turnover in 2016 which led to reduction of service fees and profit distribution abroad in business sector; (3) Withholding tax collection by private sector increased by 5.0% in response to an economic expansion especially for transportation and communications sector, financial intermediation sector, and real estate, renting and business activities sector. Petroleum income tax collection decreased by 15.7% as a result of a lower turnover due to a reduction of crude oil price and national gas (liquid). Besides, personal income tax collection decreased by 3.7% as a result of reducing tax on salary base collection by 3.5% as a consequence of restructuring personal income tax in compliance to Section 40 (1).

For additional deductible allowances, the restructuring was effective only for an income earned from January 1, 2017 onwards. Therefore, withholding tax on salary was lower than the previous year. In government sector, withholding tax on salary also decreased by 17.7% as well as private sector which dropped by 2.2%. Finally, withholding tax on interest payment collection fell by 1.9% and withholding tax collection on real estate transaction decreased by 9.0%.

Social contributions with the proportion of 11.9% to total government revenue decelerating by 5.6%, compared to an increase of 11.1% in 2016 as a consequence of a deceleration in both employer and employee contributions to social security fund. Meanwhile, contribution rate of both employers and employees stayed at the same rate as last year.

Miscellaneous current transfers, receivable with the 1.0% share of total government revenue increased by 0.5% because of an increase in income from pay fine and other income transfers.

Interest paid with the 4.0% share of total use of gross income, decreased by 0.5% as a result of: (1) Short-term yield from commercial banks loan decreased by 51.5% according to falling of loans along with low short-term interest rate; (2) Government bond yield as bond redemption increased by 52.0% whereas short-term yield was lower than movement of policy interest rate as a result of the short-term supply of bond of Bank of Thailand. However, short-term government bond yield is started increasing in November 2017 after the investors tended to shift the investment to long-term security with a higher profit. Meanwhile, medium-term and long-term yield volatilized in October, in response to external factors, especially an uncertainty from the United State tax system reform. However, supply of Thai government bond was increased and led to rising in bond yield. Similarly, there was a clear direction for the United State tax system reform resulting higher U.S. bond yield along with Thai government bond yield; (3) Interest paid of international debt decreased by 0.2%. However, interest payment of treasury bill discount increased by 63.5% as a results of bills redemption with an increase of 22.7%. Promissory notes for debt restructuring increased by 26.9% in response to a 10.5% rise in redemption of promissory note for debt returning.

Subsidies with the share of 1.5% to total use of gross income decreased by 11.3% as a result of a decrease in subsidy on sugarcane producers and sugar funds together with export subsidies.

Social benefits other than social transfers in kind with the share of 10.9% to total use of gross income expanded by 7.8%, decelerating from an increase of 12.3% in 2016 due to a normal pension, descended pension, monthly pension, investment benefits, senility pension. On the other hand, senility allowance, disabled allowance and out-patient medical fees increased. Similarly, government scheme to strengthen grassroots economy “state welfare scheme”, which intended to raise income for poor people, valued Baht 8,924 million (beneficially participants first received since October 2017).

Miscellaneous current transfers, payable with the share of 2.5% to total use of gross income increased by 7.0% compared to an increase of 14.1% in 2016. Operating expenses-household sector and compensation increased. In addition, subsidy for victim from natural disaster decreased.

2) Net saving of public corporations and government enterprises

Public corporations and government enterprises net saving recorded the value at Baht 215,562 million, increased by 3.5%, slowing down from a 66.1% growth in 2016. Public corporations and government enterprises net profit in business accounting format for this calendar year showed the value at Baht 194,254 million or shortened by 6.5%, maintained contracting but recovering from an 18.8% drop in 2016. After consolidated with Baht 197,688 million of national accounts definition adjustment, public corporations and government enterprises net profit in national accounts aspect before profit allocation registered at Baht 391,943 million, rising by 3.5% but slowing down from 33.7% in 2016. After deducting by profit allocation, comprising of (1) dividend (2) profit delivered to government and (3) bonus payment from net profit, with a growth of 3.6%, public corporations and government enterprises net saving slowed down.

Public corporations net saving or performance in national accounts aspects posted the value of Baht 80,119 million, dropped by 3.6%, slowing down from a 64.5% increase in 2016. Government enterprises showed net saving at Baht 135,443 million, rose by 8.3%, slowing down from a 67.2% rise in the previous year.

Saving-investment gap

Gross saving registered value at Baht 5,231,089 million, continued expanding by 10.1% from the preceding year. Gross capital formation or investment registered at Baht 3,528,615 million, boosting up by 15.8%, compared to a 0.8% rise in the previous year. Such gross saving and investment brought about a surplus of saving-investment gap at Baht 1,702,474 million, equivalent to 11.0% of GDP, slightly diminishing from Baht 1,703,101 million in 2016.

GDP Implicit Price Deflator

Overall price level increased by 2.1% decelerating from a 2.5% rise in the previous year.

GDP Implicit Price Deflator

GDP Implicit Price Deflator grew by 2.1%, slowing down from a rise of 2.5% in the previous year. Agricultural price deflator expanded by 0.9%, slightly decelerating from an expansion of 2.1% in the previous year. Meanwhile, non-agricultural price deflator rose by 2.2%, compared to a rise of 2.5% in the previous year as a result of a slowdown in deflators contributed chiefly to main activities namely manufacturing; electricity, gas, steam and air conditioning supply; wholesale and retail trade; accommodation and food service; public administration and defence; education; and human health and social work. For activities with a higher price index level comprised mining and quarrying; water supply, sewerage, waste management and remediation; construction; information and communication; professional, scientific and technical activities; and other service activities. Meanwhile, price index level of transportation and storage; financial and insurance; and real estates declined.

On the expenditure side, overall price deflator rose by 1.3%, decelerating from a rise of 2.8% in the previous year. Private consumption expenditure price deflator expanded by 0.8%, compared to a rise of 0.5% in the previous year. In addition, price deflator of investment rose by 1.7% and price of government final consumption expenditure grew by 2.5%. For external sector, price deflator of exports of goods and services rose by 0.4%, decelerating from a rise of 2.5% in 2016. Meanwhile, price deflator of imported goods and services increased by 1.3%, higher than a previous growth of 0.3%.

Consumer price index (CPI) expanded by 0.7%, compared to a rise of 0.2% in the previous year while producer price index (PPI) increased 0.7%, recovering from a drop of 1.2% in the previous year.

Growth rate of implicit price deflator

(%)

Implicit price deflator	2013	2014	2015	2016	2017
Gross domestic product, (GDP)	1.8	1.4	0.7	2.5	2.1
Agriculture	2.1	-8.5	-2.3	2.1	0.9
Non-agriculture	1.7	2.7	1.0	2.5	2.2
Expenditure on gross domestic product	2.6	2.5	2.6	2.8	1.3
Private final consumption expenditure	2.1	2.0	-1.2	0.5	0.8
General government final consumption expenditure	3.0	2.6	2.6	2.5	2.5
Gross fixed capital formation	-0.7	-1.8	-1.0	-0.3	1.7
Exports of goods and services	-0.6	3.9	1.5	2.5	0.4
Imports of goods and services	-2.3	3.6	-4.9	0.3	1.3
Consumer price index (CPI)	2.2	1.9	-0.9	0.2	0.7
Producer price index (PPI)	0.3	0.1	-4.1	-1.2	0.7

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Main Accounts

Account 1 Production account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Intermediate consumption	16,864,439	17,244,688	18,935,584	19,469,478	19,533,100	19,175,953	19,146,261	20,069,296
Value added, gross / Gross domestic product	10,808,142	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,554,569	15,451,959
Consumption of fixed capital	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,622,751
Value added, net / Net domestic product	9,217,366	9,568,381	10,399,186	10,830,634	11,016,107	11,398,629	12,066,183	12,829,208
Resources								
Output	26,611,337	27,499,711	30,068,101	31,112,133	31,554,616	31,574,287	32,324,277	34,069,978
Market output	25,050,350	25,814,064	28,210,923	29,147,172	29,474,523	29,379,318	30,028,230	31,706,354
Non-market output	1,560,987	1,685,647	1,857,178	1,964,961	2,080,093	2,194,969	2,296,047	2,363,624
Taxes on products	1,111,386	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,438	1,489,246
Subsidies on products (-)	50,142	93,772	78,879	79,001	94,370	43,304	45,885	37,969

Account 2 Generation of income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Compensation of employees, payable	3,227,942	3,411,393	3,783,696	4,016,251	4,300,943	4,533,734	4,695,255	4,834,121
Wages and salaries	2,857,125	3,013,748	3,365,027	3,574,463	3,816,852	4,005,633	4,123,903	4,233,286
Employers' social contributions	370,817	397,645	418,669	441,788	484,091	528,101	571,352	600,835
Taxes on production and imports, payable	1,181,367	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,042	1,587,309
Taxes on products	1,111,386	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,438	1,489,246
Other taxes on production	69,981	75,056	80,955	92,037	88,818	85,146	98,604	98,063
(less) Subsidies, receivable	69,892	113,574	100,106	103,665	121,854	69,939	70,032	62,129
Subsidies on products	50,142	93,772	78,879	79,001	94,370	43,304	45,885	37,969
Other subsidies on production	19,750	19,802	21,227	24,664	27,484	26,635	24,147	24,160
Mixed income and operating surplus, gross	6,468,725	6,788,376	7,289,093	7,559,031	7,659,239	7,806,089	8,408,304	9,092,658
Consumption of fixed capital	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,622,751
Mixed income and operating surplus, net	4,877,949	5,049,850	5,330,935	5,474,506	5,445,043	5,461,255	5,919,918	6,469,907
Resources								
Value added, gross / Gross domestic product	10,808,142	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,554,569	15,451,959
Value added, net / Net domestic product	9,217,366	9,568,381	10,399,186	10,830,634	11,016,107	11,398,629	12,066,183	12,829,208

Account 3 Allocation of primary income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Balance of primary incomes, gross								
/ National income, gross	10,355,372	11,034,197	11,791,146	12,089,671	12,549,606	13,034,490	13,869,204	14,762,125
Balance of primary incomes, net								
/ National income, net	8,764,596	9,295,671	9,832,988	10,005,146	10,335,410	10,689,656	11,380,818	12,139,374
Resources								
Mixed income and operating surplus, gross	6,468,725	6,788,376	7,289,093	7,559,031	7,659,239	7,806,089	8,408,304	9,092,658
Mixed income and operating surplus, net	4,877,949	5,049,850	5,330,935	5,474,506	5,445,043	5,461,255	5,919,918	6,469,907
Compensation of employees	3,231,751	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,717,282	4,843,384
Wages and salaries	2,860,934	3,033,299	3,393,830	3,600,119	3,839,449	4,026,068	4,145,930	4,242,549
Employers' social contributions	370,817	397,645	418,669	441,788	484,091	528,101	571,352	600,835
Taxes on production and imports	1,181,367	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,042	1,587,309
Taxes on products	1,111,386	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,438	1,489,246
Other taxes on production	69,981	75,056	80,955	92,037	88,818	85,146	98,604	98,063
(less) Subsidies	69,892	113,574	100,106	103,665	121,854	69,939	70,032	62,129
Subsidies on products	50,142	93,772	78,879	79,001	94,370	43,304	45,885	37,969
Other subsidies on production	19,750	19,802	21,227	24,664	27,484	26,635	24,147	24,160
Property income ^{1/}	-456,579	-292,261	-595,001	-851,144	-703,294	-729,408	-707,392	-699,097

Note : ^{1/} Property income receivable less property income payable

Account 4 Secondary distribution of income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Current transfers	2,292,107	2,415,240	2,810,223	2,875,549	2,821,763	3,014,010	3,160,431	3,342,755
Current taxes on income, wealth, etc.	727,713	886,235	925,098	988,890	915,579	944,041	945,045	1,022,633
Taxes on income	701,328	857,903	892,434	959,843	881,447	906,322	908,726	979,422
Other current taxes	26,385	28,332	32,664	29,047	34,132	37,719	36,319	43,211
Social contributions	452,084	486,896	514,329	555,529	610,254	658,254	707,371	742,004
Employers' actual social contributions	112,828	120,355	118,036	136,318	158,414	169,913	178,024	182,053
Employers' imputed social contributions	257,989	277,290	300,633	305,470	325,677	358,188	393,328	418,782
Households' actual social contributions ^{1/}	57,310	60,991	63,528	79,004	88,430	90,186	92,613	95,960
Households' social contributions supplements ^{1/}	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Social benefits other than social transfers in kind	293,530	275,045	326,151	330,096	346,702	376,524	422,833	455,830
Social security benefits in cash	20,860	22,352	26,986	29,400	30,159	31,332	36,393	37,867
Other social insurance benefits	186,434	197,138	215,128	207,476	227,205	252,364	294,983	313,810
Social assistance benefits in cash	86,236	55,555	84,037	93,220	89,338	92,828	91,457	104,153
Other current transfers	818,780	767,064	1,044,645	1,001,034	949,228.5	1,035,191	1,085,182	1,122,288
Net non-life insurance premiums ^{2/}	576	540	480	380	444	194	207	277
Current transfer within general government	589,381	580,745	814,877	712,042	656,299	734,081	783,343	823,192
Current international cooperation	1,631	1,553	1,334	1,375	1,819	1,602	2,595	2,059
Miscellaneous current transfers	227,192	184,226	227,954	287,237	290,666	299,314	299,037	296,760
Disposable income, gross	10,548,386	11,369,668	12,178,196	12,415,679	12,833,160	13,263,579	14,109,780	15,017,463
Disposable income, net	8,957,610	9,631,142	10,220,038	10,331,154	10,618,964	10,918,745	11,621,394	12,394,712
Resources								
Balance of primary incomes, gross								
/ National income, gross	10,355,372	11,034,197	11,791,146	12,089,671	12,549,606	13,034,490	13,869,204	14,762,125
Balance of primary incomes, net								
/ National income, net	8,764,596	9,295,671	9,832,988	10,005,146	10,335,410	10,689,656	11,380,818	12,139,374
Current transfers	2,485,121	2,750,711	3,197,274	3,201,556	3,105,317	3,243,098	3,401,007	3,598,093
Current taxes on income, wealth, etc.	727,713	886,235	925,098	988,890	915,579	944,041	945,045	1,022,633
Taxes on income	701,328	857,903	892,434	959,843	881,447	906,322	908,726	979,422
Other current taxes	26,385	28,332	32,664	29,047	34,132	37,719	36,319	43,211
Social contributions	452,084	486,896	514,329	555,529	610,254	658,254	707,371	742,004
Employers' actual social contributions	112,828	120,355	118,036	136,318	158,414	169,913	178,024	182,053
Employers' imputed social contributions	257,989	277,290	300,633	305,470	325,677	358,188	393,328	418,782
Households' actual social contributions ^{1/}	57,310	60,991	63,528	79,004	88,430	90,186	92,613	95,960
Households' social contributions supplements ^{1/}	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Social benefits other than social transfers in kind	293,530	275,045	326,151	330,096	346,702	376,524	422,834	455,829
Social security benefits in cash	20,860	22,352	26,986	29,400	30,159	31,332	36,393	37,867
Other social insurance benefits	186,434	197,138	215,128	207,476	227,205	252,364	294,983	313,810
Social assistance benefits in cash	86,236	55,555	84,037	93,220	89,338	92,828	91,457	104,153
Other current transfers	1,011,794	1,102,535	1,431,696	1,327,041	1,232,782	1,264,279	1,325,757	1,377,627
Non-life insurance claims ^{2/}	2	8	21	1	2	1	1	1
Current transfer within general government	589,381	580,745	814,877	712,042	656,299	734,081	783,343	823,192
Current international cooperation	2,818	3,592	5,214	3,120	3,497	2,190	3,009	2,455
Miscellaneous current transfers	419,593	518,190	611,584	611,878	572,984	528,007	539,404	551,979

Note : ^{1/} Governmental funds consist of social security fund (welfare and senility plan)^{2/} Government only

Account 5 Use of disposable income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Final consumption expenditure	7,346,989	7,813,380	8,564,855	8,860,245	9,171,525	9,364,911	9,715,923	10,059,312
Individual consumption expenditure	6,456,541	6,858,551	7,526,883	7,759,682	8,030,352	8,160,753	8,464,593	8,787,527
Collective consumption expenditure	890,448	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,251,330	1,271,785
Adjustment for the change in pension entitlements	85,883	94,873	107,370	129,060	131,124	134,830	134,513	134,513
Saving, gross	3,201,397	3,556,288	3,613,341	3,555,434	3,661,635	3,898,668	4,393,857	4,958,151
Saving, net	1,610,621	1,817,762	1,655,183	1,470,909	1,447,439	1,553,834	1,905,471	2,335,400
Resources								
Disposable income, gross	10,548,386	11,369,668	12,178,196	12,415,679	12,833,160	13,263,579	14,109,780	15,017,463
Disposable income, net	8,957,610	9,631,142	10,220,038	10,331,154	10,618,964	10,918,745	11,621,394	12,394,712
Adjustment for the change in pension entitlements	85,883	94,873	107,370	129,060	131,124	134,830	134,513	134,513

Account 6 Redistribution of income in kind account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Social transfers in kind	817,330	870,307	982,822	1,012,806	1,096,910	1,148,884	1,213,580	1,258,159
Social transfers in kind - non-market production	603,236	656,899	737,151	774,914	852,780	905,607	953,266	996,655
Social transfers in kind - purchased market production	214,094	213,408	245,671	237,892	244,130	243,277	260,314	261,504
Adjusted disposable income, gross	10,548,386	11,369,668	12,178,196	12,415,679	12,833,160	13,263,579	14,109,780	15,017,463
Adjusted disposable income, net	8,957,610	9,631,142	10,220,038	10,331,154	10,618,964	10,918,745	11,621,394	12,394,712
Resources								
Disposable income, gross	10,548,386	11,369,668	12,178,196	12,415,679	12,833,160	13,263,579	14,109,780	15,017,463
Disposable income, net	8,957,610	9,631,142	10,220,038	10,331,154	10,618,964	10,918,745	11,621,394	12,394,712
Social transfers in kind	817,330	870,307	982,822	1,012,806	1,096,910	1,148,884	1,213,580	1,258,159
Social transfers in kind - non-market production	603,236	656,899	737,151	774,914	852,780	905,607	953,266	996,655
Social transfers in kind - purchased market production	214,094	213,408	245,671	237,892	244,130	243,277	260,314	261,504

Account 7 Use of adjusted disposable income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Uses								
Actual final consumption	7,346,989	7,813,380	8,564,855	8,860,245	9,171,525	9,364,911	9,715,923	10,059,312
Actual individual consumption	6,456,541	6,858,551	7,526,883	7,759,682	8,030,352	8,160,753	8,464,593	8,787,527
Actual collective consumption	890,448	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,251,330	1,271,785
Adjustment for the change in pension entitlements	85,883	94,873	107,370	129,060	131,124	134,830	134,513	134,513
Saving, gross	3,201,397	3,556,288	3,613,341	3,555,434	3,661,635	3,898,668	4,393,857	4,958,151
Saving, net	1,610,621	1,817,762	1,655,183	1,470,909	1,447,439	1,553,834	1,905,471	2,335,400
Resources								
Adjusted disposable income, gross	10,548,386	11,369,668	12,178,196	12,415,679	12,833,160	13,263,579	14,109,780	15,017,463
Adjusted disposable income, net	8,957,610	9,631,142	10,220,038	10,331,154	10,618,964	10,918,745	11,621,394	12,394,712
Adjustment for the change in pension entitlements	85,883	94,873	107,370	129,060	131,124	134,830	134,513	134,513

Account 8 External income account

(Millions of Baht)

Transactions and balancing items	2010	2011	2012	2013	2014	2015r	2016r	2017p
Income of non-residents								
Import of goods and services	6,567,498	7,781,469	8,492,424	8,432,453	8,270,441	7,861,679	7,806,464	8,397,737
<i>Import of goods</i>	5,259,458	6,376,152	7,073,389	6,977,230	6,801,008	6,407,028	6,270,835	6,815,779
<i>Import of services</i>	1,308,040	1,405,317	1,419,035	1,455,223	1,469,433	1,454,651	1,535,629	1,581,958
Primary income receivable by non-residents	631,932	475,389	816,716	1,025,561	919,664	875,532	913,155	979,084
<i>Compensation of employees</i>	36,498	33,087	30,317	30,835	39,391	49,203	56,705	60,680
<i>Property income</i>	595,434	442,302	786,399	994,726	880,273	826,329	856,450	918,404
Secondary income receivable by non-residents	85,478	84,065	96,368	109,072	118,386	129,363	133,111	123,024
Other current transfer	85,478	84,065	96,368	109,072	118,386	129,363	133,111	123,024
<i>Public</i>	1,631	1,553	1,334	1,375	1,819	1,602	2,595	2,059
<i>Private</i>	83,847	82,512	95,034	107,697	116,567	127,761	130,516	120,965
Use of income by non-residents								
Export of goods and services	7,185,923	8,011,498	8,619,919	8,797,311	9,165,180	9,444,693	9,954,354	10,534,707
<i>Export of goods</i>	6,099,860	6,744,693	7,075,805	6,990,698	7,359,947	7,331,655	7,560,314	7,974,045
<i>Export of services</i>	1,086,063	1,266,805	1,544,114	1,806,613	1,805,233	2,113,038	2,394,040	2,560,662
Primary income payable by non-residents	179,162	202,679	250,518	200,073	238,967	166,559	227,790	289,250
<i>Compensation of employees</i>	40,307	52,638	59,120	56,491	61,988	69,638	78,732	69,943
<i>Property income</i>	138,855	150,041	191,398	143,582	176,979	96,921	149,058	219,307
Secondary income payable by non-residents	278,492	419,537	483,419	435,079	401,941	358,452	373,687	378,362
Other current transfer	278,492	419,537	483,419	435,079	401,941	358,452	373,687	378,362
<i>Public</i>	2,818	3,592	5,214	3,120	3,497	2,190	3,009	2,455
<i>Private</i>	275,674	415,945	478,205	431,959	398,444	356,262	370,678	375,907
Balance on external income account	-358,669	-292,790	51,652	134,623	-497,597	-1,103,130	-1,703,101	-1,702,474

*Gross Domestic Product
Chain Volume Measures*

**Table 1 Expenditure on gross domestic product
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private final consumption expenditure	5,639,212	5,988,244	6,544,061	6,746,876	6,933,442	7,011,869	7,251,013	7,529,368
General government final consumption expenditure	1,707,777	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,464,910	2,529,944
Gross fixed capital formation	2,593,167	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,457,612	3,580,885
Change in inventories	147,418	107,991	127,344	267,804	-98,217	-298,624	-409,858	-52,270
Plus : Exports of goods and services	7,185,923	8,011,498	8,619,919	8,797,311	9,165,180	9,444,693	9,954,354	10,534,707
<i>Exports of goods (f.o.b)</i>	6,099,860	6,744,693	7,075,805	6,990,698	7,359,947	7,331,655	7,560,314	7,974,045
<i>Exports of services</i>	1,086,063	1,266,805	1,544,114	1,806,613	1,805,233	2,113,038	2,394,040	2,560,662
Less : Imports of goods and services	6,567,498	7,781,469	8,492,424	8,432,453	8,270,441	7,861,679	7,806,464	8,397,737
<i>Imports of goods (f.o.b)</i>	5,259,458	6,376,152	7,073,389	6,977,230	6,801,008	6,407,028	6,270,835	6,815,779
<i>Imports of services</i>	1,308,040	1,405,317	1,419,035	1,455,223	1,469,433	1,454,651	1,535,629	1,581,958
Expenditure on gross domestic product	10,705,999	11,072,693	12,155,391	12,771,233	13,230,826	14,020,370	14,911,567	15,724,897
Plus : Statistical discrepancy	102,143	234,214	201,953	143,926	-523	-276,907	-356,998	-272,938
Gross domestic product, (GDP)	10,808,142	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,554,569	15,451,959

**Table 2 Expenditure on gross domestic product
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private final consumption expenditure	4,313,694	4,392,805	4,687,903	4,731,751	4,768,309	4,879,051	5,020,058	5,169,727
General government final consumption expenditure	1,255,683	1,302,439	1,395,850	1,417,379	1,457,177	1,493,836	1,527,369	1,529,089
Gross fixed capital formation	2,003,971	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,035	2,461,691
Change in inventories	107,396	68,204	81,946	174,693	-63,572	-111,915	-339,432	-89,300
Plus : Exports of goods and services	6,068,408	6,645,480	6,969,641	7,159,122	7,177,453	7,290,187	7,496,035	7,904,467
<i>Exports of goods (f.o.b)</i>	5,128,738	5,578,730	5,699,839	5,706,461	5,749,656	5,632,981	5,648,241	5,971,383
<i>Exports of services</i>	937,177	1,065,011	1,270,457	1,456,507	1,432,006	1,664,673	1,859,121	1,944,421
Less : Imports of goods and services	5,665,775	6,368,345	6,726,851	6,839,905	6,477,504	6,477,757	6,413,518	6,812,904
<i>Imports of goods (f.o.b)</i>	4,554,826	5,209,398	5,579,979	5,680,561	5,322,667	5,334,768	5,212,824	5,600,454
<i>Imports of services</i>	1,113,814	1,163,672	1,150,819	1,163,166	1,157,418	1,145,494	1,199,429	1,214,913
Expenditure on gross domestic product (sum up)	8,078,019	8,135,671	8,732,174	8,946,505	9,116,006	9,429,229	9,721,139	10,171,644
Residual (GDE (sum up) - GDE CVM)	-74,498	-99,421	-113,538	-113,439	-45,407	-29,051	-64,906	-14,678
% Residual (GDE sum up) to GDE CVM	-0.9	-1.2	-1.3	-1.3	-0.5	-0.3	-0.7	-0.1
Expenditure on gross domestic product	8,152,517	8,235,092	8,845,712	9,059,944	9,161,413	9,458,280	9,786,045	10,186,322
Gross domestic product, (GDP)	8,232,395	8,301,560	8,902,824	9,142,087	9,232,084	9,521,408	9,840,994	10,237,003

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 2.1 Expenditure on gross domestic product chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private final consumption expenditure	134.3	136.8	146.0	147.4	148.5	151.9	156.3	161.0
General government final consumption expenditure	165.2	171.4	183.7	186.5	191.7	196.6	201.0	201.2
Gross fixed capital formation	158.5	166.2	184.1	182.2	178.2	186.0	191.3	194.7
Change in inventories								
Plus : Exports of goods and services	173.4	189.9	199.2	204.6	205.1	208.4	214.2	225.9
<i>Exports of goods (f.o.b)</i>	180.7	196.6	200.9	201.1	202.6	198.5	199.0	210.4
<i>Exports of services</i>	141.7	161.0	192.1	220.2	216.5	251.7	281.1	294.0
Less : Imports of goods and services	180.8	203.2	214.6	218.2	206.7	206.7	204.6	217.4
<i>Imports of goods (f.o.b)</i>	186.3	213.1	228.3	232.4	217.7	218.2	213.2	229.1
<i>Imports of services</i>	161.5	168.7	166.9	168.7	167.8	166.1	173.9	176.2
Expenditure on gross domestic product	144.3	145.8	156.6	160.4	162.2	167.5	173.3	180.3
Gross domestic product, (GDP)	142.7	143.9	154.3	158.5	160.0	165.0	170.6	177.4

Table 2.2 Growth rate of expenditure on gross domestic product chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p	Percent
Private final consumption expenditure	5.5	1.8	6.7	0.9	0.8	2.3	2.9	3.0	
General government final consumption expenditure	8.9	3.7	7.2	1.5	2.8	2.5	2.2	0.1	
Gross fixed capital formation	11.6	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8	
Change in inventories									
Plus : Exports of goods and services	14.2	9.5	4.9	2.7	0.3	1.6	2.8	5.4	
<i>Exports of goods (f.o.b)</i>	16.5	8.8	2.2	0.1	0.8	-2.0	0.3	5.7	
<i>Exports of services</i>	2.9	13.6	19.3	14.6	-1.7	16.2	11.7	4.6	
Less : Imports of goods and services	23.0	12.4	5.6	1.7	-5.3	0.0	-1.0	6.2	
<i>Imports of goods (f.o.b)</i>	26.9	14.4	7.1	1.8	-6.3	0.2	-2.3	7.4	
<i>Imports of services</i>	9.0	4.5	-1.1	1.1	-0.5	-1.0	4.7	1.3	
Expenditure on gross domestic product	7.6	1.0	7.4	2.4	1.1	3.2	3.5	4.1	
Gross domestic product, (GDP)	7.5	0.8	7.2	2.7	1.0	3.1	3.4	4.0	

Table 2.3 Contributions to growth rate of expenditure on gross domestic product chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p	Percent
Private final consumption expenditure	2.9	1.0	3.6	0.5	0.4	1.2	1.5	1.5	
General government final consumption expenditure	1.4	0.6	1.2	0.3	0.5	0.4	0.4	0.0	
Gross fixed capital formation	2.7	1.2	2.8	-0.3	-0.6	1.1	0.7	0.4	
Change in inventories	3.9	-0.5	0.2	1.2	-2.8	-0.6	-1.5	1.9	
Plus : Exports of goods and services	9.2	6.3	3.5	1.9	0.2	1.1	1.9	3.7	
<i>Exports of goods (f.o.b)</i>	8.8	5.0	1.3	0.1	0.4	-1.1	0.1	3.0	
<i>Exports of services</i>	0.3	1.4	2.2	1.8	-0.2	2.2	1.8	0.8	
Less : Imports of goods and services	12.6	7.5	3.9	1.2	-3.5	0.0	-0.6	3.3	
<i>Imports of goods (f.o.b)</i>	11.5	7.0	4.0	1.0	-3.4	0.1	-1.1	3.2	
<i>Imports of services</i>	1.1	0.5	-0.1	0.1	-0.1	-0.1	0.5	0.1	
Expenditure on gross domestic product	7.5	1.0	7.3	2.4	1.1	3.2	3.5	4.2	
Gross domestic product, (GDP)	7.5	0.8	7.2	2.7	1.0	3.1	3.4	4.0	

Gross Domestic Product
(Production)

Table 3 Gross domestic product
at current market prices by economic activities

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Agriculture	1,137,252	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,229,565	1,286,170
Agriculture, forestry and fishing	1,137,252	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,229,565	1,286,170
Non-agriculture	9,670,890	9,996,234	10,935,742	11,452,876	11,895,508	12,524,043	13,325,004	14,165,789
Industrial	4,012,004	3,987,898	4,273,733	4,420,724	4,526,819	4,592,338	4,790,312	5,045,968
Mining and quarrying	366,998	400,576	483,427	496,562	495,627	431,425	399,210	387,823
Manufacturing	3,343,011	3,278,536	3,456,693	3,563,122	3,648,058	3,762,150	3,960,008	4,196,801
Electricity, gas, steam and air conditioning supply	264,283	270,494	291,725	313,431	331,412	343,430	372,465	396,991
Water supply; sewerage, waste management and remediation activities	37,712	38,292	41,888	47,609	51,722	55,333	58,629	64,353
Services	5,658,886	6,008,336	6,662,009	7,032,152	7,368,689	7,931,705	8,534,692	9,119,821
Construction	302,792	306,622	340,956	344,786	337,043	379,940	400,285	395,275
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,516,327	1,570,715	1,709,703	1,729,206	1,816,182	1,966,439	2,187,713	2,397,865
Transportation and storage	607,153	616,470	666,331	693,603	720,581	779,135	828,747	879,460
Accommodation and food service activities	311,910	349,523	413,291	472,928	497,777	600,218	696,727	818,037
Information and communication	222,201	242,816	265,239	290,854	301,427	327,394	339,122	357,734
Financial and insurance activities	580,532	644,682	744,615	871,377	961,260	1,037,951	1,121,755	1,165,526
Real estate activities	294,125	306,174	317,770	319,055	324,590	332,488	354,460	377,229
Professional, scientific and technical activities	195,594	214,438	258,785	266,926	267,745	261,390	255,183	275,041
Administrative and support service activities	171,745	189,205	227,941	234,426	231,496	237,026	240,590	250,164
Public administration and defence; compulsory social security	640,207	681,051	732,534	765,985	802,790	843,417	882,584	917,530
Education	417,863	454,248	503,346	528,167	565,146	594,280	617,038	636,280
Human health and social work activities	206,441	219,165	235,802	250,812	270,681	288,404	307,531	326,814
Arts, entertainment and recreation	44,516	50,656	60,357	65,422	65,640	70,145	81,156	91,069
Other service activities	129,574	142,068	162,716	175,308	181,557	185,669	193,698	203,755
Activities of households as employers	17,906	20,503	22,623	23,297	24,774	27,809	28,103	28,042
Gross domestic product, (GDP)	10,808,142	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,554,569	15,451,959
plus : Net primary income from the rest of the world	-452,770	-272,710	-566,198	-825,488	-680,697	-708,973	-685,365	-689,834
Gross national income, (GNI) ^{1/}	10,355,372	11,034,197	11,791,146	12,089,671	12,549,606	13,034,490	13,869,204	14,762,125
less : Consumption of fixed capital	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,622,751
Net national income, (NNI)	8,764,596	9,295,671	9,832,988	10,005,146	10,335,410	10,689,656	11,380,818	12,139,374
Per capita GDP (Baht)	163,956	170,763	185,847	193,471	197,458	204,406	215,767	228,397
Per capita GNI (Baht)	157,088	166,644	177,332	181,105	187,299	193,862	205,607	218,200
Population (1,000 Heads)	65,921	66,214	66,492	66,755	67,003	67,236	67,455	67,654

Note : ^{1/} GNI = GNP (Gross National Products)

**Table 4 Gross domestic product
at current factor cost by economic activities**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Agriculture	1,138,880	1,320,175	1,432,087	1,473,403	1,350,216	1,231,908	1,242,856	1,293,726
Agriculture, forestry and fishing	1,138,880	1,320,175	1,432,087	1,473,403	1,350,216	1,231,908	1,242,856	1,293,726
Non-agriculture	8,557,787	8,879,594	9,640,702	10,101,879	10,609,966	11,107,915	11,860,703	12,633,053
Industrial	3,389,275	3,439,054	3,649,058	3,758,625	3,929,076	3,886,163	4,068,970	4,309,126
Mining and quarrying	309,233	333,316	404,734	409,178	413,451	364,614	339,218	329,153
Manufacturing	2,807,841	2,828,043	2,948,468	3,028,467	3,171,404	3,156,421	3,330,228	3,550,929
Electricity, gas, steam and air conditioning supply	236,428	240,413	255,634	275,402	294,216	311,475	342,712	366,868
Water supply; sewerage, waste management and remediation activities	35,773	37,282	40,222	45,578	50,005	53,653	56,812	62,176
Services	5,168,512	5,440,540	5,991,644	6,343,254	6,680,890	7,221,752	7,791,733	8,323,927
Construction	284,324	284,213	311,791	316,566	304,563	346,034	364,058	357,860
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,224,166	1,233,603	1,287,403	1,339,604	1,429,304	1,572,302	1,767,208	1,954,705
Transportation and storage	599,260	607,285	655,375	680,226	710,558	769,473	815,849	862,888
Accommodation and food service activities	302,372	337,783	402,049	458,667	484,520	585,837	680,907	799,200
Information and communication	203,028	227,787	251,529	265,039	285,132	307,382	325,064	341,636
Financial and insurance activities	550,611	608,095	702,801	821,296	916,509	984,858	1,068,670	1,112,710
Real estate activities	251,662	250,267	254,284	245,462	239,352	254,946	277,906	287,575
Professional, scientific and technical activities	172,204	186,879	229,623	236,284	233,252	224,870	220,231	238,718
Administrative and support service activities	137,021	151,453	183,924	184,700	177,327	178,761	186,363	196,252
Public administration and defence; compulsory social security	640,207	681,051	732,534	765,985	802,790	843,417	882,584	917,530
Education	437,451	473,843	524,395	552,668	592,437	620,754	641,013	660,273
Human health and social work activities	205,274	217,864	234,416	249,362	269,170	286,849	305,818	324,953
Arts, entertainment and recreation	26,978	32,083	41,262	48,681	48,812	52,891	55,263	59,812
Other service activities	116,048	127,831	157,635	155,417	162,390	165,569	172,696	181,773
Activities of households as employers	17,906	20,503	22,623	23,297	24,774	27,809	28,103	28,042
Gross domestic product, (GDP)	9,696,667	10,199,769	11,072,789	11,575,282	11,960,182	12,339,823	13,103,559	13,926,779

Table 5 Gross domestic product
chain volume measures (reference year = 2002)

(Millions of Baht)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Agriculture	600,651	638,483	655,755	660,365	658,463	615,883	608,097	630,730
Agriculture, forestry and fishing	600,651	638,483	655,755	660,365	658,463	615,883	608,097	630,730
Non-agriculture	7,652,694	7,667,868	8,268,856	8,512,404	8,610,041	8,972,625	9,314,158	9,691,564
Industrial	3,032,781	2,907,682	3,118,310	3,171,496	3,174,364	3,235,843	3,308,123	3,381,342
Mining and quarrying	224,224	220,682	237,723	242,847	238,880	244,584	247,304	233,608
Manufacturing	2,537,476	2,414,078	2,581,224	2,629,739	2,630,599	2,670,305	2,729,924	2,810,533
Electricity, gas, steam and air conditioning supply	234,715	237,735	262,120	257,165	265,070	277,959	285,749	291,585
Water supply; sewerage, waste management and remediation activities	33,832	33,373	36,151	38,762	39,827	43,416	46,679	49,541
Services	4,615,856	4,766,472	5,158,861	5,351,838	5,448,761	5,754,352	6,025,782	6,332,129
Construction	228,359	218,454	235,808	235,096	229,388	268,505	289,824	281,602
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,207,295	1,207,515	1,270,509	1,280,405	1,270,240	1,340,762	1,422,661	1,522,047
Transportation and storage	489,186	497,067	538,898	566,731	584,019	607,660	627,263	678,870
Accommodation and food service activities	299,482	336,294	383,693	420,921	431,373	496,115	541,925	599,188
Information and communication	312,398	338,732	368,592	403,820	425,191	468,106	481,710	494,487
Financial and insurance activities	407,451	432,403	498,628	560,170	602,110	652,507	698,406	735,937
Real estate activities	308,305	319,237	328,441	331,764	339,123	344,219	368,373	392,351
Professional, scientific and technical activities	161,274	171,610	201,072	204,636	202,427	199,455	194,934	207,159
Administrative and support service activities	134,696	142,970	166,525	168,453	163,717	169,532	171,942	176,030
Public administration and defence; compulsory social security	456,059	473,339	492,985	495,464	502,006	507,469	510,450	512,452
Education	288,622	296,475	311,032	316,789	323,733	324,306	326,608	328,661
Human health and social work activities	166,532	174,525	184,775	191,676	202,001	208,549	214,851	222,733
Arts, entertainment and recreation	41,999	47,530	56,228	60,834	61,034	66,656	80,845	90,629
Other service activities	104,315	111,664	125,052	132,437	135,406	139,545	144,953	151,433
Activities of households as employers	17,636	18,689	19,117	17,731	16,946	17,580	17,563	17,215
Gross domestic product (sum up)	8,254,507	8,330,855	8,954,328	9,215,805	9,321,553	9,663,113	10,010,061	10,426,791
Residual (GDP (sum up) - GDP CVM)	22,112	29,295	51,504	73,718	89,469	141,705	169,067	189,788
% Residual (GDP sum up) to GDP CVM	0.3	0.4	0.6	0.8	1.0	1.5	1.7	1.9
Gross domestic product, (CVM)^{1/}	8,232,395	8,301,560	8,902,824	9,142,087	9,232,084	9,521,408	9,840,994	10,237,003
Gross National Income (GNI), CVM^{2/}	7,891,410	8,107,064	8,507,160	8,573,605	8,776,272	9,040,499	9,377,099	9,771,377

Note : ^{1/} Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

^{2/} GNI = GNP (Gross National Products)

Table 5.1 Gross domestic product
chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Agriculture	119.8	127.3	130.8	131.7	131.3	123.1	121.5	126.0
Agriculture, forestry and fishing	119.8	127.3	130.8	131.7	131.3	123.1	121.5	126.0
Non-agriculture	145.3	145.6	157.0	161.6	163.4	170.1	176.6	183.7
Industrial	154.6	148.2	158.9	161.7	161.8	164.9	168.6	172.3
Mining and quarrying	163.6	161.0	173.5	177.2	174.3	178.5	180.5	170.5
Manufacturing	154.2	146.7	156.9	159.8	159.9	162.4	166.0	171.0
Electricity, gas, steam and air conditioning supply	153.6	155.6	171.6	168.3	173.5	181.8	186.9	190.7
Water supply; sewerage, waste management and remediation activities	125.6	123.9	134.2	143.9	147.9	161.2	173.3	183.9
Services	139.6	144.2	156.0	161.9	164.8	174.1	182.3	191.5
Construction	137.0	131.0	141.4	141.0	137.6	161.1	173.8	168.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	133.3	133.3	140.3	141.4	140.3	147.0	156.0	166.9
Transportation and storage	131.1	133.2	144.5	151.9	156.6	163.0	168.3	182.1
Accommodation and food service activities	138.1	155.1	176.9	194.1	198.9	228.8	249.9	276.3
Information and communication	220.5	239.0	260.1	285.0	300.1	329.2	338.8	347.7
Financial and insurance activities	147.3	156.3	180.3	202.5	217.7	235.9	252.5	266.1
Real estate activities	134.0	138.8	142.8	144.2	147.4	149.6	160.1	170.6
Professional, scientific and technical activities	164.6	175.2	205.2	208.9	206.6	203.6	199.0	211.5
Administrative and support service activities	139.7	148.3	172.7	174.7	169.8	175.9	178.4	182.6
Public administration and defence; compulsory social security	133.9	139.0	144.7	145.5	147.4	148.3	149.2	149.8
Education	134.4	138.1	144.9	147.5	150.8	150.5	151.6	152.5
Human health and social work activities	139.8	146.5	155.1	160.9	169.6	174.8	180.0	186.6
Arts, entertainment and recreation	176.2	199.4	235.8	255.2	256.0	279.6	339.2	380.2
Other service activities	122.2	130.8	146.5	155.2	158.7	163.5	169.9	177.4
Activities of households as employers	100.2	106.1	108.6	100.7	96.2	99.8	99.7	97.8
Gross domestic product, (GDP)	142.7	143.9	154.3	158.5	160.0	165.0	170.6	177.4
Gross National Income (GNI), CVM	141.8	145.6	152.8	154.0	157.7	162.4	168.4	175.5

**Table 5.2 Growth rate of gross domestic product
chain volume measures (reference year = 2002)**

	2010	2011	2012r	2013	2014	2015r	2016r	Percent 2017p
Agriculture	-0.5	6.3	2.7	0.7	-0.3	-6.5	-1.3	3.7
Agriculture, forestry and fishing	-0.5	6.3	2.7	0.7	-0.3	-6.5	-1.3	3.7
Non-agriculture	8.4	0.2	7.8	2.9	1.1	4.2	3.8	4.1
Industrial	10.6	-4.1	7.2	1.7	0.1	1.9	2.2	2.2
Mining and quarrying	7.0	-1.6	7.7	2.2	-1.6	2.4	1.1	-5.5
Manufacturing	11.4	-4.9	6.9	1.9	0.0	1.5	2.2	3.0
Electricity, gas, steam and air conditioning supply	6.8	1.3	10.3	-1.9	3.1	4.9	2.8	2.0
Water supply; sewerage, waste management and remediation activities	6.3	-1.4	8.3	7.2	2.7	9.0	7.5	6.1
Services	6.9	3.3	8.2	3.7	1.8	5.6	4.7	5.1
Construction	8.5	-4.3	7.9	-0.3	-2.4	17.1	7.9	-2.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	9.1	0.0	5.2	0.8	-0.8	5.6	6.1	7.0
Transportation and storage	7.7	1.6	8.4	5.2	3.1	4.0	3.2	8.2
Accommodation and food service activities	9.3	12.3	14.1	9.7	2.5	15.0	9.2	10.6
Information and communication	6.1	8.4	8.8	9.6	5.3	10.1	2.9	2.7
Financial and insurance activities	3.9	6.1	15.3	12.3	7.5	8.4	7.0	5.4
Real estate activities	4.4	3.5	2.9	1.0	2.2	1.5	7.0	6.5
Professional, scientific and technical activities	11.5	6.4	17.2	1.8	-1.1	-1.5	-2.3	6.3
Administrative and support service activities	6.3	6.1	16.5	1.2	-2.8	3.6	1.4	2.4
Public administration and defence; compulsory social security	4.0	3.8	4.2	0.5	1.3	1.1	0.6	0.4
Education	5.4	2.7	4.9	1.9	2.2	0.2	0.7	0.6
Human health and social work activities	5.4	4.8	5.9	3.7	5.4	3.2	3.0	3.7
Arts, entertainment and recreation	21.7	13.2	18.3	8.2	0.3	9.2	21.3	12.1
Other service activities	2.5	7.0	12.0	5.9	2.2	3.1	3.9	4.5
Activities of households as employers	-1.8	6.0	2.3	-7.3	-4.4	3.7	-0.1	-2.0
Gross domestic product, (GDP)	7.5	0.8	7.2	2.7	1.0	3.1	3.4	4.0
Gross National Income (GNI), CVM	6.7	2.7	4.9	0.8	2.4	3.0	3.7	4.2

**Table 5.3 Contributions to growth rate of gross domestic product
chain volume measures (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	Percent 2017p
Agriculture	0.0	0.7	0.3	0.1	0.0	-0.7	-0.1	0.3
Agriculture, forestry and fishing	0.0	0.7	0.3	0.1	0.0	-0.7	-0.1	0.3
Non-agriculture	7.6	0.2	6.9	2.6	1.0	3.8	3.5	3.7
Industrial	3.8	-1.5	2.6	0.6	0.0	0.7	0.7	0.7
Mining and quarrying	0.2	-0.1	0.3	0.1	-0.1	0.1	0.0	-0.2
Manufacturing	3.4	-1.5	2.0	0.5	0.0	0.4	0.6	0.8
Electricity, gas, steam and air conditioning supply	0.2	0.0	0.2	0.0	0.1	0.1	0.1	0.1
Water supply; sewerage, waste management and remediation activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Services	3.8	1.7	4.4	2.0	1.0	3.1	2.7	3.0
Construction	0.2	-0.1	0.2	0.0	-0.1	0.4	0.2	-0.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	1.3	0.0	0.7	0.1	-0.1	0.8	0.9	1.1
Transportation and storage	0.5	0.1	0.5	0.3	0.2	0.2	0.2	0.5
Accommodation and food service activities	0.3	0.4	0.4	0.3	0.1	0.6	0.4	0.5
Information and communication	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1
Financial and insurance activities	0.2	0.3	0.9	0.7	0.5	0.6	0.5	0.4
Real estate activities	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.2
Professional, scientific and technical activities	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.1
Administrative and support service activities	0.1	0.1	0.3	0.0	-0.1	0.1	0.0	0.0
Public administration and defence; compulsory social security	0.3	0.2	0.2	0.0	0.1	0.1	0.0	0.0
Education	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0
Human health and social work activities	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Arts, entertainment and recreation	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Other service activities	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.1
Activities of households as employers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross domestic product, (GDP)	7.5	0.8	7.2	2.7	1.0	3.1	3.4	4.0

**Table 6 Gross domestic product originating from agriculture, forestry and fishing
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Crop and animal production, hunting and related service activities	1,027,244	1,191,369	1,298,258	1,349,641	1,213,571	1,104,801	1,107,052	1,159,626
Forestry and logging	8,624	9,322	10,283	9,901	11,269	11,593	12,602	12,430
Fishing and aquaculture	101,384	109,982	113,061	102,741	109,955	103,026	109,911	114,114
Total value added	1,137,252	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,229,565	1,286,170

**Table 7 Gross domestic product originating from agriculture, forestry and fishing
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Crop and animal production, hunting and related service activities	450,431	481,130	498,300	505,212	508,470	477,126	467,056	483,945
Forestry and logging	7,516	8,475	8,096	7,375	7,961	8,101	8,724	8,438
Fishing and aquaculture	148,571	149,331	140,311	131,494	113,953	101,822	108,753	114,834
Total value added	600,651	638,483	655,755	660,365	658,463	615,883	608,097	630,730

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 7.1 Gross domestic product originating from agriculture, forestry and fishing
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Crop and animal production, hunting and related service activities	116.6	124.5	129.0	130.8	131.6	123.5	120.9	125.3
Forestry and logging	111.6	125.8	120.2	109.5	118.2	120.2	129.5	125.2
Fishing and aquaculture	137.0	137.7	129.4	121.3	105.1	93.9	100.3	105.9
Total value added	119.8	127.3	130.8	131.7	131.3	122.8	121.3	125.8

**Table 7.2 Growth rate of gross domestic product originating from agriculture, forestry and fishing
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Crop and animal production, hunting and related service activities	-0.4	6.8	3.6	1.4	0.6	-6.2	-2.1	3.6
Forestry and logging	0.5	12.8	-4.5	-8.9	7.9	1.8	7.7	-3.3
Fishing and aquaculture	-0.8	0.5	-6.0	-6.3	-13.3	-10.6	6.8	5.6
Total value added	-0.5	6.3	2.7	0.7	-0.3	-6.5	-1.3	3.7

**Table 8 Gross domestic product originating from mining and quarrying
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Mining of coal and lignite	13,844	15,359	12,874	12,938	12,744	11,368	13,407	10,333
Extraction of crude petroleum and natural gas	306,888	335,798	416,860	430,493	428,433	357,965	307,926	303,333
Mining of metal ores	5,768	5,052	7,238	6,113	6,545	4,180	5,302	4,272
Other mining and quarrying	40,498	44,367	46,455	47,018	47,905	57,912	72,575	69,885
Total value added	366,998	400,576	483,427	496,562	495,627	431,425	399,210	387,823

**Table 9 Gross domestic product originating from mining and quarrying
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Mining of coal and lignite	6,655	7,681	6,505	6,545	6,509	5,470	6,310	4,969
Extraction of crude petroleum and natural gas	182,988	176,430	191,971	197,156	193,575	198,766	199,320	189,732
Mining of metal ores	1,574	1,170	1,601	1,568	1,668	1,131	1,343	1,096
Other mining and quarrying	29,890	33,244	34,626	34,054	33,613	36,761	37,570	35,772
Total value added	224,224	220,682	237,723	242,847	238,880	244,584	247,304	233,608

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 9.1 Gross domestic product originating from mining and quarrying
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Mining of coal and lignite	89.0	102.7	87.0	87.5	87.1	73.2	84.4	66.5
Extraction of crude petroleum and natural gas	177.3	171.0	186.0	191.1	187.6	192.6	193.2	183.9
Mining of metal ores	70.1	52.1	71.3	69.8	74.3	50.4	59.8	48.8
Other mining and quarrying	123.9	137.8	143.5	141.2	139.3	152.4	155.7	148.3
Total value added	163.6	161.0	173.5	177.2	174.3	178.5	180.5	170.5

**Table 9.2 Growth rate of gross domestic product originating from mining and quarrying
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Mining of coal and lignite	2.7	15.4	-15.3	0.6	-0.6	-16.0	15.4	-21.3
Extraction of crude petroleum and natural gas	8.0	-3.6	8.8	2.7	-1.8	2.7	0.3	-4.8
Mining of metal ores	-7.8	-25.7	36.8	-2.1	6.4	-32.2	18.7	-18.4
Other mining and quarrying	4.1	11.2	4.2	-1.7	-1.3	9.4	2.2	-4.8
Total value added	7.0	-1.6	7.7	2.2	-1.6	2.4	1.1	-5.5

**Table 10 Gross domestic product originating from manufacturing
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Food products	494,965	556,940	511,169	520,315	526,674	532,958	601,853	610,531
Beverages	198,108	194,939	242,332	261,252	274,971	286,228	285,209	273,178
Tobacco products	58,201	60,642	59,704	60,050	58,198	56,424	51,322	42,818
Textiles	137,847	123,770	119,156	119,755	118,529	114,327	110,121	106,881
Wearing apparel	99,587	86,238	79,339	76,391	79,607	78,951	85,578	94,631
Leather and related products	39,608	39,697	34,762	39,854	43,441	41,036	42,596	45,378
Wood and products of wood and cork	31,894	35,582	37,100	38,593	42,553	43,295	46,809	47,272
Paper and paper products	52,620	51,271	52,461	50,821	52,178	52,402	53,429	55,437
Printing and reproduction of recorded media	11,280	11,564	12,057	11,841	11,552	11,478	11,552	11,762
Coke and refined petroleum products	223,908	187,741	203,996	237,021	269,519	310,945	395,899	440,519
Chemicals and chemical products	245,297	250,135	263,205	277,598	296,089	326,200	318,787	356,961
Basic pharmaceutical products and pharmaceutical preparations	23,731	25,452	27,946	31,973	33,838	35,568	38,519	41,231
Rubber and plastics products	223,826	238,103	249,528	250,830	245,173	264,573	281,025	327,913
Non-metallic mineral products	130,185	132,649	142,571	151,940	151,052	148,621	148,848	147,721
Basic metals	66,893	63,442	63,621	65,453	68,132	60,793	63,536	68,130
Fabricated metal products, except machinery and equipment	93,573	96,596	101,923	101,122	105,823	110,410	118,850	127,915
Computer, electronic and optical products	469,035	369,417	346,078	345,172	387,943	367,282	332,862	382,257
Electrical equipment	134,691	139,210	152,603	165,465	186,095	185,753	199,350	193,575
Machinery and equipment not elsewhere classified	135,032	140,816	146,023	151,677	149,263	160,332	162,274	176,851
Motor vehicles, trailers and semi-trailers	237,025	213,181	333,777	337,886	287,410	300,730	326,886	341,780
Other transport equipment	73,674	87,298	94,117	86,863	80,411	90,633	95,908	108,644
Furniture	33,038	30,230	30,471	32,119	31,788	33,203	32,776	35,266
Other manufacturing	127,774	142,227	151,243	147,576	146,173	148,192	153,738	158,303
Repair and installation of machinery and equipment	1,219	1,396	1,511	1,555	1,646	1,816	2,281	1,847
Total value added	3,343,011	3,278,536	3,456,693	3,563,122	3,648,058	3,762,150	3,960,008	4,196,801

**Table 11 Gross domestic product originating from manufacturing
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Food products	295,200	319,071	330,926	326,661	335,690	333,035	337,946	340,032
Beverages	160,841	159,989	189,675	198,046	201,606	209,670	208,342	208,117
Tobacco products	34,739	36,151	35,615	35,862	34,690	33,707	30,621	25,491
Textiles	122,462	102,025	97,842	99,546	98,732	94,684	91,107	87,999
Wearing apparel	113,435	96,034	87,969	83,936	86,966	85,617	80,308	78,286
Leather and related products	37,107	36,349	33,277	37,059	40,113	37,821	39,355	41,154
Wood and products of wood and cork	25,433	27,789	28,343	29,563	32,403	32,634	35,236	37,822
Paper and paper products	46,720	45,091	45,756	43,998	45,463	45,579	46,299	46,881
Printing and reproduction of recorded media	9,289	8,858	8,721	8,499	8,306	7,894	7,586	7,719
Coke and refined petroleum products	122,178	105,820	110,645	113,893	117,393	126,783	127,892	134,055
Chemicals and chemical products	143,320	136,022	145,797	155,143	157,551	164,931	170,168	178,693
Basic pharmaceutical products and pharmaceutical preparations	22,707	24,252	26,652	30,338	32,124	33,746	36,524	39,039
Rubber and plastics products	126,932	121,360	137,671	143,344	145,817	154,656	158,577	172,494
Non-metallic mineral products	104,815	104,788	114,249	120,161	118,587	114,749	114,476	113,935
Basic metals	48,233	43,905	45,146	47,135	49,268	48,606	51,759	54,132
Fabricated metal products, except machinery and equipment	69,176	70,527	73,317	72,662	76,435	79,822	86,193	92,441
Computer, electronic and optical products	425,405	335,642	305,133	298,035	313,509	304,333	309,543	341,523
Electrical equipment	121,801	121,236	134,019	135,705	138,176	134,996	143,129	137,755
Machinery and equipment not elsewhere classified	123,009	125,100	132,769	137,651	134,931	140,451	141,786	154,465
Motor vehicles, trailers and semi-trailers	218,118	197,554	298,801	310,248	254,144	266,288	285,682	292,149
Other transport equipment	72,228	85,301	89,809	84,412	77,055	75,886	84,628	83,257
Furniture	25,516	23,564	23,590	24,648	24,174	25,045	24,677	26,472
Other manufacturing	75,956	74,854	76,451	78,849	79,448	81,309	81,658	81,124
Repair and installation of machinery and equipment	1,119	1,269	1,362	1,384	1,450	1,584	1,777	1,735
Total value added	2,537,476	2,414,078	2,581,224	2,629,739	2,630,599	2,670,305	2,729,924	2,810,533

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 11.1 Gross domestic product originating from manufacturing chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Food products	134.8	145.6	151.1	149.1	153.2	152.0	154.3	155.2
Beverages	142.0	141.3	167.5	174.9	178.0	185.2	184.0	183.8
Tobacco products	100.4	104.5	102.9	103.7	100.3	97.4	88.5	73.7
Textiles	104.0	86.6	83.1	84.5	83.8	80.4	77.3	74.7
Wearing apparel	111.1	94.1	86.2	82.2	85.2	83.9	78.7	76.7
Leather and related products	100.1	98.1	89.8	100.0	108.3	102.1	106.2	111.1
Wood and products of wood and cork	130.3	142.4	145.2	151.5	166.0	167.2	180.5	193.8
Paper and paper products	121.6	117.4	119.1	114.5	118.3	118.6	120.5	122.0
Printing and reproduction of recorded media	117.3	111.8	110.1	107.3	104.9	99.7	95.8	97.4
Coke and refined petroleum products	102.8	89.0	93.1	95.8	98.7	106.6	107.6	112.7
Chemicals and chemical products	167.4	158.9	170.3	181.2	184.0	192.6	198.8	208.7
Basic pharmaceutical products and pharmaceutical preparations	118.6	126.7	139.2	158.5	167.8	176.3	190.8	203.9
Rubber and plastics products	140.6	134.4	152.5	158.7	161.5	171.3	175.6	191.0
Non-metallic mineral products	130.4	130.4	142.1	149.5	147.5	142.8	142.4	141.7
Basic metals	109.0	99.2	102.0	106.5	111.3	109.8	117.0	122.3
Fabricated metal products, except machinery and equipment	113.9	116.2	120.8	119.7	125.9	131.5	142.0	152.3
Computer, electronic and optical products	348.5	274.9	250.0	244.1	256.8	249.3	253.6	279.8
Electrical equipment	189.1	188.2	208.1	210.7	214.5	209.6	222.2	213.9
Machinery and equipment not elsewhere classified	219.6	223.4	237.1	245.8	240.9	250.8	253.2	275.8
Motor vehicles, trailers and semi-trailers	253.9	230.0	347.8	361.1	295.8	310.0	332.6	340.1
Other transport equipment	178.7	211.1	222.2	208.9	190.7	187.8	209.4	206.0
Furniture	135.5	125.2	125.3	130.9	128.4	133.0	131.1	140.6
Other manufacturing	111.9	110.3	112.7	116.2	117.1	119.8	120.3	119.5
Repair and installation of machinery and equipment	151.4	171.7	184.3	187.3	196.2	214.3	240.5	234.8
Total value added	154.2	146.7	156.9	159.8	159.9	162.3	165.9	170.8

Table 11.2 Growth rate of gross domestic product originating from manufacturing chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	Percent 2017p
Food products	3.8	8.1	3.7	-1.3	2.8	-0.8	1.5	0.6
Beverages	5.9	-0.5	18.6	4.4	1.8	4.0	-0.6	-0.1
Tobacco products	11.5	4.1	-1.5	0.7	-3.3	-2.8	-9.2	-16.8
Textiles	10.0	-16.7	-4.1	1.7	-0.8	-4.1	-3.8	-3.4
Wearing apparel	4.5	-15.3	-8.4	-4.6	3.6	-1.6	-6.2	-2.5
Leather and related products	5.1	-2.0	-8.5	11.4	8.2	-5.7	4.1	4.6
Wood and products of wood and cork	17.9	9.3	2.0	4.3	9.6	0.7	8.0	7.3
Paper and paper products	5.3	-3.5	1.5	-3.8	3.3	0.3	1.6	1.3
Printing and reproduction of recorded media	3.3	-4.6	-1.5	-2.5	-2.3	-5.0	-3.9	1.8
Coke and refined petroleum products	2.5	-13.4	4.6	2.9	3.1	8.0	0.9	4.8
Chemicals and chemical products	11.4	-5.1	7.2	6.4	1.6	4.7	3.2	5.0
Basic pharmaceutical products and pharmaceutical preparations	-2.0	6.8	9.9	13.8	5.9	5.0	8.2	6.9
Rubber and plastics products	11.5	-4.4	13.4	4.1	1.7	6.1	2.5	8.8
Non-metallic mineral products	9.4	0.0	9.0	5.2	-1.3	-3.2	-0.2	-0.5
Basic metals	7.2	-9.0	2.8	4.4	4.5	-1.3	6.5	4.6
Fabricated metal products, except machinery and equipment	12.8	2.0	4.0	-0.9	5.2	4.4	8.0	7.2
Computer, electronic and optical products	15.3	-21.1	-9.1	-2.3	5.2	-2.9	1.7	10.3
Electrical equipment	18.6	-0.5	10.5	1.3	1.8	-2.3	6.0	-3.8
Machinery and equipment not elsewhere classified	16.0	1.7	6.1	3.7	-2.0	4.1	1.0	8.9
Motor vehicles, trailers and semi-trailers	41.2	-9.4	51.3	3.8	-18.1	4.8	7.3	2.3
Other transport equipment	33.9	18.1	5.3	-6.0	-8.7	-1.5	11.5	-1.6
Furniture	6.1	-7.7	0.1	4.5	-1.9	3.6	-1.5	7.3
Other manufacturing	2.4	-1.5	2.1	3.1	0.8	2.3	0.4	-0.7
Repair and installation of machinery and equipment	-4.8	13.4	7.3	1.6	4.8	9.2	12.2	-2.4
Total value added	11.4	-4.9	6.9	1.9	0.0	1.5	2.2	3.0

**Table 12 Gross domestic product originating from electricity, gas, steam and air conditioning supply
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Electric power generation, transmission and distribution	244,427	236,559	267,864	292,649	305,348	320,690	342,018	355,586
Manufacture of gas; distribution of gaseous fuels through mains	19,856	33,935	23,861	20,782	26,064	22,740	30,447	41,405
Total value added	264,283	270,494	291,725	313,431	331,412	343,430	372,465	396,991

**Table 13 Gross domestic product originating from electricity, gas, steam and air conditioning supply
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Electric power generation, transmission and distribution	219,992	219,491	243,655	240,846	247,987	258,484	263,760	267,713
Manufacture of gas; distribution of gaseous fuels through mains	12,126	14,543	15,272	13,719	14,351	16,107	18,290	19,781
Total value added	234,715	237,735	262,120	257,165	265,070	277,959	285,749	291,585

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 13.1 Gross domestic product originating from electricity, gas, steam and air conditioning supply
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Electric power generation, transmission and distribution	150.4	150.0	166.6	164.6	169.5	176.7	180.3	183.0
Manufacture of gas; distribution of gaseous fuels through mains	187.2	224.5	235.7	211.7	221.5	248.6	282.3	305.3
Total value added	153.6	155.6	171.6	168.3	173.5	181.9	187.0	190.9

**Table 13.2 Growth rate of gross domestic product originating from electricity, gas, steam and air conditioning supply
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Electric power generation, transmission and distribution	7.8	-0.2	11.0	-1.2	3.0	4.2	2.0	1.5
Manufacture of gas; distribution of gaseous fuels through mains	-4.8	19.9	5.0	-10.2	4.6	12.2	13.6	8.2
Total value added	6.8	1.3	10.3	-1.9	3.1	4.9	2.8	2.0

**Table 14 Gross domestic product originating from water supply; sewerage, waste management and remediation activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Water collection and supply	32,285	32,792	35,219	39,409	41,824	43,758	45,243	49,091
Waste collection, treatment and disposal activities; materials recovery	5,427	5,500	6,669	8,200	9,898	11,575	13,386	15,262
Total value added	37,712	38,292	41,888	47,609	51,722	55,333	58,629	64,353

**Table 15 Gross domestic product originating from water supply; sewerage, waste management and remediation activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Water collection and supply	28,694	28,309	30,021	31,183	31,024	33,296	35,039	36,531
Waste collection, treatment and disposal activities; materials recovery	5,098	5,024	6,125	7,650	9,058	10,520	12,218	13,743
Total value added	33,832	33,373	36,151	38,762	39,827	43,416	46,679	49,541

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 15.1 Gross domestic product originating from water supply; sewerage, waste management and remediation activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Water collection and supply	119.6	118.0	125.2	130.0	129.3	138.8	146.1	152.3
Waste collection, treatment and disposal activities; materials recovery	172.7	170.2	207.5	259.1	306.8	356.4	413.9	465.5
Total value added	125.6	123.9	134.2	143.9	147.9	161.2	173.3	183.9

**Table 15.2 Growth rate of gross domestic product originating from water supply; sewerage, waste management and remediation activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Water collection and supply	5.7	-1.3	6.0	3.9	-0.5	7.3	5.2	4.3
Waste collection, treatment and disposal activities; materials recovery	10.7	-1.5	21.9	24.9	18.4	16.1	16.1	12.5
Total value added	6.3	-1.4	8.3	7.2	2.7	9.0	7.5	6.1

**Table 16 Gross domestic product originating from construction
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private construction	131,150	147,342	163,217	172,500	165,642	162,381	159,631	160,069
Public construction	171,642	159,280	177,739	172,286	171,401	217,559	240,654	235,206
Total value added	302,792	306,622	340,956	344,786	337,043	379,940	400,285	395,275

**Table 17 Gross domestic product originating from construction
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private construction	100,082	106,988	114,821	119,020	114,525	115,490	116,241	114,740
Public construction	127,316	110,862	120,308	115,572	114,325	151,730	172,032	165,388
Total value added	228,359	218,454	235,808	235,096	229,388	268,505	289,824	281,602

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 17.1 Gross domestic product originating from construction
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private construction	152.06	162.56	174.46	180.84	174.01	175.47	176.62	174.33
Public construction	126.18	109.87	119.23	114.54	113.30	150.37	170.49	163.91
Total value added	136.97	131.03	141.44	141.01	137.59	161.05	173.84	168.91

**Table 17.2 Growth rate of gross domestic product originating from construction
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private construction	10.4	6.9	7.3	3.7	-3.8	0.8	0.7	-1.3
Public construction	7.1	-12.9	8.5	-3.9	-1.1	32.7	13.4	-3.9
Total value added	8.5	-4.3	7.9	-0.3	-2.4	17.1	7.9	-2.8

**Table 18 Gross domestic product originating from wholesale and retail trade; repair of motor vehicles and motorcycles
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Trade and repair of motor vehicles and motorcycles	145,688	143,287	174,191	165,227	154,973	157,198	169,469	180,429
Trade, except of motor vehicles and motorcycles	1,370,639	1,427,428	1,535,512	1,563,979	1,661,209	1,809,241	2,018,244	2,217,436
Total value added	1,516,327	1,570,715	1,709,703	1,729,206	1,816,182	1,966,439	2,187,713	2,397,865

**Table 19 Gross domestic product originating from wholesale and retail trade; repair of motor vehicles and motorcycles
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Trade and repair of motor vehicles and motorcycles	140,147	132,319	168,819	169,863	158,580	161,986	166,948	172,377
Trade, except of motor vehicles and motorcycles	1,067,990	1,074,546	1,106,475	1,115,297	1,113,335	1,178,681	1,253,798	1,345,320
Total value added	1,207,295	1,207,515	1,270,509	1,280,405	1,270,240	1,340,762	1,422,661	1,522,047

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 19.1 Gross domestic product originating from wholesale and retail trade; repair of motor vehicles and motorcycles
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Trade and repair of motor vehicles and motorcycles	162.2	153.2	195.4	196.6	183.6	187.5	193.3	199.6
Trade, except of motor vehicles and motorcycles	130.4	131.2	135.1	136.1	135.9	143.9	153.1	164.2
Total value added	133.3	133.3	140.3	141.4	140.3	148.1	157.1	168.1

**Table 19.2 Growth rate of gross domestic product originating from wholesale and retail trade; repair of motor vehicles and motorcycles
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Trade and repair of motor vehicles and motorcycles	10.9	-5.6	27.6	0.6	-6.6	2.1	3.1	3.3
Trade, except of motor vehicles and motorcycles	8.9	0.6	3.0	0.8	-0.2	5.9	6.4	7.3
Total value added	9.1	0.0	5.2	0.8	-0.8	5.6	6.1	7.0

**Table 20 Gross domestic product originating from transportation and storage
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Land transport and transport via pipelines	252,338	261,560	273,405	273,097	294,872	312,973	330,509	345,034
Water transport	112,663	115,418	119,717	127,987	135,351	147,693	151,319	157,555
Air transport	124,079	115,781	130,506	135,154	129,037	144,481	158,416	167,060
Warehousing and support activities for transportation	96,258	102,701	120,503	134,067	136,277	148,170	159,849	174,757
Postal and courier activities	21,815	21,010	22,200	23,298	25,044	25,818	28,654	35,054
Total value added	607,153	616,470	666,331	693,603	720,581	779,135	828,747	879,460

**Table 21 Gross domestic product originating from transportation and storage
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Land transport and transport via pipelines	180,348	185,604	195,125	196,278	203,521	196,135	196,765	207,406
Water transport	88,433	92,391	95,798	101,382	107,924	114,690	118,997	119,456
Air transport	128,031	124,051	143,843	156,434	156,646	175,322	192,006	231,980
Warehousing and support activities for transportation	74,557	76,285	86,665	96,085	96,787	108,208	110,900	118,843
Postal and courier activities	15,170	14,482	15,694	16,619	17,800	17,742	18,531	21,955
Total value added	489,186	497,067	538,898	566,731	584,019	607,660	627,263	678,870

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 21.1 Gross domestic product originating from transportation and storage
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Land transport and transport via pipelines	104.0	107.1	112.5	113.2	117.4	113.1	113.5	119.6
Water transport	180.9	189.0	196.0	207.4	220.8	234.6	243.4	244.3
Air transport	132.3	128.2	148.6	161.6	161.8	181.1	198.4	239.7
Warehousing and support activities for transportation	165.7	169.6	192.6	213.6	215.1	240.5	246.5	264.2
Postal and courier activities	168.6	161.0	174.5	184.8	197.9	197.2	206.0	244.1
Total value added	131.1	133.2	144.5	151.9	156.6	162.9	168.1	182.0

**Table 21.2 Growth rate of gross domestic product originating from transportation and storage
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Land transport and transport via pipelines	0.3	2.9	5.1	0.6	3.7	-3.6	0.3	5.4
Water transport	5.5	4.5	3.7	5.8	6.5	6.3	3.8	0.4
Air transport	19.9	-3.1	16.0	8.8	0.1	11.9	9.5	20.8
Warehousing and support activities for transportation	14.5	2.3	13.6	10.9	0.7	11.8	2.5	7.2
Postal and courier activities	18.7	-4.5	8.4	5.9	7.1	-0.3	4.4	18.5
Total value added	7.7	1.6	8.4	5.2	3.1	4.0	3.2	8.2

**Table 22 Gross domestic product originating from accommodation and food service activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Accommodation	111,790	141,309	172,636	203,553	207,497	265,728	311,746	368,371
Food and beverage service activities	200,120	208,214	240,655	269,375	290,280	334,490	384,981	449,666
Total value added	311,910	349,523	413,291	472,928	497,777	600,218	696,727	818,037

**Table 23 Gross domestic product originating from accommodation and food service activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Accommodation	108,535	139,677	172,439	194,769	201,348	244,609	265,172	289,883
Food and beverage service activities	191,110	197,092	212,350	228,004	232,125	256,214	281,557	314,152
Total value added	299,482	336,294	383,693	420,921	431,373	496,115	541,925	599,188

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 23.1 Gross domestic product originating from accommodation and food service activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Accommodation	136.3	175.4	216.6	244.6	252.9	307.2	333.0	364.0
Food and beverage service activities	139.3	143.6	154.8	166.2	169.2	186.7	205.2	228.9
Total value added	138.1	155.1	176.9	194.1	198.9	228.8	249.9	276.3

**Table 23.2 Growth rate of gross domestic product originating from accommodation and food service activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Accommodation	14.8	28.7	23.5	12.9	3.4	21.5	8.4	9.3
Food and beverage service activities	6.5	3.1	7.7	7.4	1.8	10.4	9.9	11.6
Total value added	9.3	12.3	14.1	9.7	2.5	15.0	9.2	10.6

**Table 24 Gross domestic product originating from information and communication
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Publishing activities	12,324	12,630	13,537	14,417	14,455	16,397	17,445	15,933
Motion picture, video and television programme production, sound recording and music publishing activities	5,490	6,086	6,633	7,454	7,645	8,630	8,753	8,900
Programming and broadcasting activities	22,570	24,581	24,886	27,614	27,594	27,844	27,228	27,575
Telecommunications	135,466	145,076	157,798	164,889	166,270	179,459	185,464	197,865
Computer programming, consultancy and related activities	44,771	52,612	60,609	74,194	82,788	92,047	96,768	103,580
Information service activities	1,580	1,831	1,776	2,286	2,675	3,017	3,464	3,881
Total value added	222,201	242,816	265,239	290,854	301,427	327,394	339,122	357,734

**Table 25 Gross domestic product originating from information and communication
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Publishing activities	12,216	12,550	12,474	12,875	12,862	14,503	15,402	14,185
Motion picture, video and television programme production, sound recording and music publishing activities	4,226	4,494	4,778	5,351	5,431	6,151	6,163	6,242
Programming and broadcasting activities	17,699	18,578	18,244	19,823	19,449	19,810	19,337	19,434
Telecommunications	257,207	277,532	307,507	325,932	342,511	376,620	385,360	393,071
Computer programming, consultancy and related activities	35,813	40,639	45,260	54,259	59,445	66,716	70,009	74,368
Information service activities	1,263	1,412	1,326	1,670	1,919	2,185	2,503	2,783
Total value added	312,398	338,732	368,592	403,820	425,191	468,106	481,710	494,487

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 25.1 Gross domestic product originating from information and communication
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Publishing activities	113.8	116.9	116.2	119.9	119.8	135.1	143.5	132.1
Motion picture, video and television programme production, sound recording and music publishing activities	90.9	96.6	102.8	115.1	116.8	132.3	132.5	134.2
Programming and broadcasting activities	119.3	125.2	123.0	133.6	131.1	133.5	130.3	131.0
Telecommunications	265.3	286.2	317.1	336.1	353.2	388.4	397.4	405.4
Computer programming, consultancy and related activities	260.0	295.0	328.6	393.9	431.5	484.3	508.2	539.9
Information service activities	168.4	188.3	176.8	222.7	255.9	291.3	333.7	371.1
Total value added	220.5	239.0	260.1	285.0	300.0	330.3	339.9	349.0

**Table 25.2 Growth rate of gross domestic product originating from information and communication
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Publishing activities	4.0	2.7	-0.6	3.2	-0.1	12.8	6.2	-7.9
Motion picture, video and television programme production, sound recording and music publishing activities	10.7	6.3	6.3	12.0	1.5	13.3	0.2	1.3
Programming and broadcasting activities	4.0	5.0	-1.8	8.7	-1.9	1.9	-2.4	0.5
Telecommunications	5.3	7.9	10.8	6.0	5.1	10.0	2.3	2.0
Computer programming, consultancy and related activities	10.8	13.5	11.4	19.9	9.6	12.2	4.9	6.2
Information service activities	-11.4	11.8	-6.1	25.9	14.9	13.9	14.6	11.2
Total value added	6.1	8.4	8.8	9.6	5.3	10.1	2.9	2.7

**Table 26 Gross domestic product originating from financial and insurance activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Financial service activities	467,331	522,075	605,715	694,738	766,535	825,928	872,907	904,832
Insurance, reinsurance and pension funding	86,293	94,181	109,289	133,372	154,535	171,974	204,452	212,744
Activities auxiliary to financial service and insurance activities	26,908	28,426	29,611	43,267	40,190	40,049	44,396	47,950
Total value added	580,532	644,682	744,615	871,377	961,260	1,037,951	1,121,755	1,165,526

**Table 27 Gross domestic product originating from financial and insurance activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Financial service activities	313,112	333,645	389,034	426,102	455,833	492,211	514,013	543,728
Insurance, reinsurance and pension funding	67,887	71,373	80,302	96,031	110,514	124,138	147,346	152,129
Activities auxiliary to financial service and insurance activities	21,169	21,543	21,758	31,145	28,734	28,901	31,987	34,279
Total value added	407,451	432,403	498,628	560,170	602,110	652,507	698,406	735,937

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 27.1 Gross domestic product originating from financial and insurance activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Financial service activities	150.65	160.53	187.18	205.02	219.32	236.83	247.32	261.61
Insurance, reinsurance and pension funding	129.37	136.01	153.03	183.00	210.60	236.57	280.79	289.91
Activities auxiliary to financial service and insurance activities	129.82	132.11	133.43	190.99	176.21	177.23	196.16	210.21
Total value added	147.30	156.32	180.26	202.51	217.67	235.89	252.48	266.05

**Table 27.2 Growth rate of gross domestic product originating from financial and insurance activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Financial service activities	8.1	6.6	16.6	9.5	7.0	8.0	4.4	5.8
Insurance, reinsurance and pension funding	-14.7	5.1	12.5	19.6	15.1	12.3	18.7	3.2
Activities auxiliary to financial service and insurance activities	4.9	1.8	1.0	43.1	-7.7	0.6	10.7	7.2
Total value added	3.9	6.1	15.3	12.3	7.5	8.4	7.0	5.4

**Table 28 Gross domestic product originating from real estate activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Real estate activities with own or leased property	267,449	272,667	279,198	280,267	288,137	296,728	316,944	339,038
Real estate activities on a fee or contract basis	26,676	33,507	38,572	38,788	36,453	35,760	37,516	38,191
Total value added	294,125	306,174	317,770	319,055	324,590	332,488	354,460	377,229

**Table 29 Gross domestic product originating from real estate activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Real estate activities with own or leased property	286,853	291,938	297,340	301,213	311,926	317,662	340,346	363,955
Real estate activities on a fee or contract basis	21,331	25,879	28,800	28,483	26,360	26,056	27,615	28,416
Total value added	308,305	319,237	328,441	331,764	339,123	344,219	368,373	392,351

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 29.1 Gross domestic product originating from real estate activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Real estate activities with own or leased property	132.7	135.0	137.5	139.3	144.3	146.9	157.4	168.3
Real estate activities on a fee or contract basis	154.1	187.0	208.1	205.8	190.4	188.3	199.5	205.3
Total value added	134.0	138.8	142.8	144.2	147.4	149.6	160.1	170.6

**Table 29.2 Growth rate of gross domestic product originating from real estate activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Real estate activities with own or leased property	2.1	1.8	1.9	1.3	3.6	1.8	7.1	6.9
Real estate activities on a fee or contract basis	35.6	21.3	11.3	-1.1	-7.5	-1.2	6.0	2.9
Total value added	4.4	3.5	2.9	1.0	2.2	1.5	7.0	6.5

**Table 30 Gross domestic product originating from professional, scientific and technical activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Legal and accounting activities	9,851	11,009	11,368	11,202	12,464	13,476	14,552	15,522
Activities of head offices; management consultancy activities	145,081	151,467	176,407	185,227	185,916	178,109	173,811	188,324
Architectural and engineering activities; technical testing and analysis	12,305	14,454	16,975	17,098	16,647	17,120	17,112	17,953
Scientific research and development	5,970	13,525	26,137	25,809	25,370	24,198	23,591	26,189
Advertising and market research	10,473	11,491	12,354	12,907	13,398	13,496	13,052	14,067
Other professional, scientific and technical activities	11,653	12,185	15,158	14,292	13,444	14,371	12,332	12,057
Veterinary activities	261	307	386	391	506	620	733	929
Total value added	195,594	214,438	258,785	266,926	267,745	261,390	255,183	275,041

**Table 31 Gross domestic product originating from professional, scientific and technical activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Legal and accounting activities	7,880	8,504	8,489	8,235	9,023	9,859	10,654	11,197
Activities of head offices; management consultancy activities	116,052	116,997	131,730	136,107	134,535	130,239	127,194	135,787
Architectural and engineering activities; technical testing and analysis	9,843	11,164	12,676	12,560	12,044	12,516	12,518	12,940
Scientific research and development	4,780	10,458	19,538	18,975	18,369	17,705	17,274	18,893
Advertising and market research	8,376	8,873	9,222	9,486	9,697	9,871	9,553	10,144
Other professional, scientific and technical activities	15,989	17,586	22,686	22,103	21,050	22,254	19,256	18,848
Veterinary activities	240	281	350	356	456	551	647	809
Total value added	161,274	171,610	201,072	204,636	202,427	199,455	194,934	207,159

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 31.1 Gross domestic product originating from professional, scientific and technical activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Legal and accounting activities	115.0	124.1	123.8	120.1	131.6	143.8	155.4	163.3
Activities of head offices; management consultancy activities	156.6	157.9	177.7	183.6	181.5	175.7	171.6	183.2
Architectural and engineering activities; technical testing and analysis	163.3	185.2	210.3	208.4	199.8	207.6	207.7	214.7
Scientific research and development	1,160.2	2,538.3	4,742.2	4,605.6	4,458.5	4,297.3	4,192.7	4,585.7
Advertising and market research	137.5	145.7	151.4	155.7	159.2	162.1	156.8	166.5
Other professional, scientific and technical activities	370.4	407.4	525.5	512.0	487.6	515.5	446.1	436.6
Veterinary activities	158.9	186.1	231.8	235.8	302.0	364.9	428.5	535.8
Total value added	164.6	175.2	205.2	208.9	206.6	203.6	199.0	211.5

**Table 31.2 Growth rate of gross domestic product originating from professional, scientific and technical activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Legal and accounting activities	3.8	7.9	-0.2	-3.0	9.6	9.3	8.1	5.1
Activities of head offices; management consultancy activities	11.9	0.8	12.6	3.3	-1.2	-3.2	-2.3	6.8
Architectural and engineering activities; technical testing and analysis	10.6	13.4	13.5	-0.9	-4.1	3.9	0.0	3.4
Scientific research and development	17.8	118.8	86.8	-2.9	-3.2	-3.6	-2.4	9.4
Advertising and market research	11.5	5.9	3.9	2.9	2.2	1.8	-3.2	6.2
Other professional, scientific and technical activities	11.1	10.0	29.0	-2.6	-4.8	5.7	-13.5	-2.1
Veterinary activities	18.2	17.1	24.6	1.7	28.1	20.8	17.4	25.0
Total value added	11.5	6.4	17.2	1.8	-1.1	-1.5	-2.3	6.3

**Table 32 Gross domestic product originating from administrative and support service activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Rental and leasing activities	59,142	67,192	78,521	80,993	75,325	74,741	73,727	73,344
Employment activities	5,880	7,547	9,414	10,021	10,262	11,396	11,947	12,373
Travel agency, tour operator, reservation service and related activities	23,979	28,025	33,251	37,159	37,028	40,672	44,044	50,818
Security and investigation activities	8,080	9,407	11,259	12,031	12,689	13,931	14,836	15,350
Services to buildings and landscape activities	12,367	13,830	15,449	16,633	17,035	17,712	18,865	19,544
Office administrative, office support and other business support activities	62,297	63,204	80,047	77,589	79,157	78,574	77,171	78,735
Total value added	171,745	189,205	227,941	234,426	231,496	237,026	240,590	250,164

**Table 33 Gross domestic product originating from administrative and support service activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Rental and leasing activities	47,308	51,901	58,634	59,506	54,507	54,668	53,943	52,872
Employment activities	4,704	5,830	7,030	7,368	7,431	8,341	8,747	8,926
Travel agency, tour operator, reservation service and related activities	16,638	18,495	21,228	23,250	22,709	25,296	27,234	30,858
Security and investigation activities	6,461	7,263	8,403	8,840	9,183	10,190	10,856	11,067
Services to buildings and landscape activities	9,883	10,672	11,522	12,214	12,324	12,952	13,800	14,085
Office administrative, office support and other business support activities	49,828	48,816	59,770	57,036	57,313	57,505	56,495	56,790
Total value added	134,696	142,970	166,525	168,453	163,717	169,532	171,942	176,030

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 33.1 Gross domestic product originating from administrative and support service activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Rental and leasing activities	124.3	136.3	154.0	156.3	143.2	143.6	141.7	138.9
Employment activities	232.8	288.5	347.8	364.6	367.7	412.7	432.8	441.7
Travel agency, tour operator, reservation service and related activities	110.5	122.8	141.0	154.4	150.8	168.0	180.9	204.9
Security and investigation activities	213.8	240.3	278.1	292.5	303.9	337.2	359.2	366.2
Services to buildings and landscape activities	151.6	163.7	176.7	187.3	189.0	198.7	211.7	216.0
Office administrative, office support and other business support activities	157.2	154.0	188.5	179.9	180.8	181.4	178.2	179.1
Total value added	139.7	148.3	172.7	174.7	169.8	175.9	178.4	182.6

**Table 33.2 Growth rate of gross domestic product originating from administrative and support service activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Rental and leasing activities	2.3	9.7	13.0	1.5	-8.4	0.3	-1.3	-2.0
Employment activities	18.3	23.9	20.6	4.8	0.9	12.2	4.9	2.0
Travel agency, tour operator, reservation service and related activities	9.0	11.2	14.8	9.5	-2.3	11.4	7.7	13.3
Security and investigation activities	5.1	12.4	15.7	5.2	3.9	11.0	6.5	1.9
Services to buildings and landscape activities	3.4	8.0	8.0	6.0	0.9	5.1	6.5	2.1
Office administrative, office support and other business support activities	9.0	-2.0	22.4	-4.6	0.5	0.3	-1.8	0.5
Total value added	6.3	6.1	16.5	1.2	-2.8	3.6	1.4	2.4

**Table 34 Gross domestic product originating from arts, entertainment and recreation
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Creative, arts and entertainment activities	1,392	1,627	1,870	2,129	2,020	2,205	2,117	2,138
Libraries, archives, museums and other cultural activities	193	215	261	267	324	387	415	426
Gambling and betting activities	26,599	31,765	38,184	38,867	38,713	38,570	48,194	57,254
Sport activities and amusement and recreation activities	16,332	17,049	20,042	24,159	24,583	28,983	30,430	31,251
Total value added	44,516	50,656	60,357	65,422	65,640	70,145	81,156	91,069

**Table 35 Gross domestic product originating from arts, entertainment and recreation
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Creative, arts and entertainment activities	1,340	1,565	1,794	2,043	1,932	2,106	2,021	2,040
Libraries, archives, museums and other cultural activities	243	271	324	325	399	467	498	514
Gambling and betting activities	20,859	24,009	27,995	27,888	27,266	28,561	38,507	45,430
Sport activities and amusement and recreation activities	21,708	23,821	29,014	36,010	37,706	43,799	46,162	47,866
Total value added	41,999	47,530	56,228	60,834	61,034	66,656	80,845	90,629

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 35.1 Gross domestic product originating from arts, entertainment and recreation
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Creative, arts and entertainment activities	214.7	250.8	287.5	327.4	309.6	337.5	323.9	326.9
Libraries, archives, museums and other cultural activities	71.5	79.7	95.3	95.6	117.4	137.4	146.5	151.2
Gambling and betting activities	165.9	191.0	222.7	221.8	216.9	227.2	306.3	361.3
Sport activities and amusement and recreation activities	210.7	231.2	281.6	349.5	365.9	425.1	448.0	464.5
Total value added	176.2	199.4	235.8	255.2	256.0	279.6	339.1	380.1

**Table 35.2 Growth rate of gross domestic product originating from arts, entertainment and recreation
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Creative, arts and entertainment activities	11.2	16.8	14.6	13.9	-5.4	9.0	-4.0	0.9
Libraries, archives, museums and other cultural activities	24.6	11.5	19.6	0.3	22.8	17.0	6.6	3.2
Gambling and betting activities	30.2	15.1	16.6	-0.4	-2.2	4.7	34.8	18.0
Sport activities and amusement and recreation activities	11.6	9.7	21.8	24.1	4.7	16.2	5.4	3.7
Total value added	21.7	13.2	18.3	8.2	0.3	9.2	21.3	12.1

**Table 36 Gross domestic product originating from other service activities
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Activities of membership organizations	18,662	20,652	25,008	27,297	28,086	28,759	29,155	30,280
Repair of computers and personal and household goods	57,846	64,789	75,152	79,556	82,241	83,900	88,031	93,509
Other personal service activities	53,066	56,627	62,556	68,455	71,230	73,010	76,512	79,966
Total value added	129,574	142,068	162,716	175,308	181,557	185,669	193,698	203,755

**Table 37 Gross domestic product originating from other service activities
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Activities of membership organizations	14,605	15,565	18,297	19,540	19,730	20,391	20,630	21,283
Repair of computers and personal and household goods	46,257	51,039	58,005	60,469	61,927	64,176	67,661	71,521
Other personal service activities	43,143	44,705	48,309	51,953	53,278	54,492	56,211	58,203
Total value added	104,315	111,664	125,052	132,437	135,406	139,545	144,953	151,433

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 37.1 Gross domestic product originating from other service activities
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Activities of membership organizations	170.7	181.9	213.8	228.4	230.6	238.3	241.1	248.7
Repair of computers and personal and household goods	172.8	190.6	216.7	225.9	231.3	239.7	252.7	267.1
Other personal service activities	86.3	89.4	96.6	103.9	106.5	109.0	112.4	116.4
Total value added	122.2	130.8	146.5	155.2	158.7	163.5	169.9	177.5

**Table 37.2 Growth rate of gross domestic product originating from other service activities
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Activities of membership organizations	-15.9	6.6	17.6	6.8	1.0	3.4	1.2	3.2
Repair of computers and personal and household goods	8.3	10.3	13.6	4.2	2.4	3.6	5.4	5.7
Other personal service activities	4.4	3.6	8.1	7.5	2.6	2.3	3.2	3.5
Total value added	2.5	7.0	12.0	5.9	2.2	3.1	3.9	4.5

Gross Domestic Product
(Expenditure)

**Table 38 Composition of private final consumption expenditure
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	5,967,198	6,476,051	7,166,720	7,570,634	7,704,512	8,029,983	8,394,935	8,907,478
Food and non-alcoholic	1,589,711	1,726,426	1,809,626	1,871,175	1,930,228	1,974,733	2,051,897	2,074,403
Food	1,381,456	1,513,100	1,568,172	1,616,657	1,669,734	1,710,771	1,784,495	1,804,380
Bread and cereals	307,124	334,982	359,854	361,517	376,621	380,171	387,110	385,711
Meat	166,705	188,477	182,280	194,167	212,389	215,345	221,978	222,646
Fish	164,787	189,259	194,336	202,566	195,350	199,896	208,292	215,209
Milk, cheese and eggs	124,607	128,819	126,582	141,814	144,778	140,695	147,765	151,506
Oil and fat	59,593	82,162	85,604	85,098	91,302	89,637	83,462	85,255
Fruit	123,608	133,727	147,069	153,732	158,888	163,158	171,016	178,312
Vegetables	340,143	355,753	369,611	372,524	380,903	408,782	449,152	446,680
Sugar, jam, honey, chocolate and confectionery	44,011	47,194	49,568	51,098	52,807	53,958	53,915	54,987
Food products n.e.c.	50,878	52,727	53,268	54,141	56,696	59,129	61,805	64,074
Non-alcoholic beverages	208,255	213,326	241,454	254,518	260,494	263,962	267,402	270,023
Alcoholic beverages, tobacco and narcotic	235,068	235,457	249,956	255,988	264,832	270,515	281,902	287,230
Alcoholic beverages	164,581	160,724	174,266	172,575	178,588	184,085	181,524	180,667
Tobacco	70,487	74,733	75,690	83,413	86,244	86,430	100,378	106,563
Clothing and footwear	311,625	329,516	337,151	333,514	333,965	350,036	368,347	377,535
Clothing	287,948	303,322	310,476	304,331	303,211	316,860	332,720	341,124
Footwear	23,677	26,194	26,675	29,183	30,754	33,176	35,627	36,411
Housing, water, electricity, gas and other fuels	541,654	559,203	620,357	646,148	687,411	718,918	735,410	768,568
Housing and water	392,224	408,547	429,903	441,515	465,375	491,096	513,093	544,487
Electricity, gas and other fuels	149,430	150,656	190,454	204,633	222,036	227,822	222,317	224,081
Furnishings, households equipment and routine maintenance of the house	258,052	283,522	307,570	308,190	318,740	332,920	333,749	340,759
Furniture and furnishings, carpets and other floor covering	24,517	23,916	25,215	25,390	25,469	26,686	26,572	27,102
Households equipment and routine maintenance of the house	233,535	259,606	282,355	282,800	293,271	306,234	307,177	313,657
Health	256,202	296,608	310,393	329,391	343,885	358,602	378,054	391,216
Transport	958,221	1,015,093	1,237,489	1,266,890	1,130,663	1,067,202	1,071,433	1,201,184
Purchase of vehicles	290,255	312,060	484,882	480,754	331,077	302,467	307,901	369,883
Operation of personal transport equipment	364,087	387,606	426,781	447,849	456,596	408,970	407,185	454,482
Transport services	303,879	315,427	325,826	338,287	342,990	355,765	356,347	376,819
Communication	131,146	139,026	150,069	155,176	156,451	162,153	165,352	175,215
Recreation and culture	281,876	311,765	361,447	392,012	387,702	395,775	453,405	490,622
Audio-visual, photographic and information processing equipment	72,683	76,954	88,385	88,017	87,343	74,597	74,122	79,968
Other recreation and entertainment	161,559	184,951	219,080	245,730	241,259	263,915	324,223	357,613
Newspaper, books and stationery	47,634	49,860	53,982	58,265	59,100	57,263	55,060	53,041
Education	88,205	88,971	88,651	94,398	95,462	101,379	104,442	109,473
Restaurants and hotels	732,555	836,762	958,244	1,103,583	1,164,338	1,328,794	1,424,898	1,613,381
Miscellaneous goods and services	582,883	653,702	735,767	814,169	890,835	968,956	1,026,046	1,077,892
Personal care	110,170	121,559	131,717	140,988	153,387	170,158	176,290	188,287
Personal effects n.e.c.	110,482	142,000	154,430	163,243	182,570	215,279	239,037	259,058
Financial services	274,279	295,487	346,828	400,997	441,114	465,898	489,369	503,558
Other services n.e.c.	87,952	94,656	102,792	108,941	113,764	117,621	121,350	126,989
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	101,575	112,359	122,135	132,065	144,252	144,725	145,949	152,312
Health, education, and social protection	59,772	64,454	67,757	72,135	77,503	77,342	77,148	82,240
Other services n.e.c.	41,803	47,905	54,378	59,930	66,749	67,383	68,801	70,072
Private final consumption expenditure in the domestic market	6,068,773	6,588,410	7,288,855	7,702,699	7,848,764	8,174,708	8,540,884	9,059,790
Plus : Expenditure of residents abroad	150,591	156,957	186,322	188,700	215,003	239,935	290,023	321,458
Less : Expenditure of non-residents in the country	580,152	757,123	931,116	1,144,523	1,130,325	1,402,774	1,579,894	1,851,880
Private final consumption expenditure	5,639,212	5,988,244	6,544,061	6,746,876	6,933,442	7,011,869	7,251,013	7,529,368

**Table 39 Composition of private final consumption expenditure
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	4,590,631	4,787,151	5,177,066	5,356,650	5,348,848	5,623,085	5,849,837	6,161,779
Food and non-alcoholic	893,064	900,363	908,696	901,679	909,497	929,617	949,546	971,125
<i>Food</i>	718,750	724,287	721,122	709,688	715,034	732,364	750,129	769,112
<i>Bread and cereals</i>	167,360	170,111	171,541	171,841	177,905	179,856	183,789	185,648
<i>Meat</i>	111,448	112,088	111,234	110,768	112,225	116,743	119,875	123,333
<i>Fish</i>	114,094	120,038	116,980	108,242	97,869	98,994	100,155	101,297
<i>Milk, cheese and eggs</i>	87,952	84,416	83,863	88,994	89,645	90,029	92,279	95,920
<i>Oil and fat</i>	36,100	41,296	42,847	43,778	46,566	47,012	44,776	46,172
<i>Fruit</i>	45,782	44,315	43,677	43,029	43,964	44,704	45,035	47,158
<i>Vegetables</i>	97,294	96,571	96,124	91,232	92,804	97,566	103,193	106,539
<i>Sugar, jam, honey, chocolate and confectionery</i>	34,237	32,985	32,157	32,549	32,050	32,059	31,656	32,152
<i>Food products n.e.c.</i>	41,095	41,563	41,048	41,490	42,138	43,484	44,739	45,147
<i>Non-alcoholic beverages</i>	184,426	186,507	206,259	215,562	218,989	220,866	221,564	222,784
Alcoholic beverages, tobacco and narcotic	210,095	208,220	214,424	208,513	204,218	207,395	200,760	199,976
<i>Alcoholic beverages</i>	154,927	150,952	159,802	151,743	145,087	147,805	142,580	142,188
<i>Tobacco</i>	54,951	56,608	54,785	56,159	57,705	58,223	56,777	56,436
Clothing and footwear	291,924	301,228	300,378	290,835	284,688	289,892	299,508	307,130
<i>Clothing</i>	266,488	273,580	272,580	261,070	253,849	257,079	264,820	271,639
<i>Footwear</i>	25,884	28,364	28,558	31,126	32,586	34,967	37,149	37,990
Housing, water, electricity, gas and other fuels	508,519	522,510	564,773	574,489	595,425	623,709	650,267	678,178
<i>Housing and water</i>	390,842	403,902	422,150	430,276	449,072	467,212	486,142	513,105
<i>Electricity, gas and other fuels</i>	116,360	117,759	138,686	140,431	143,354	152,299	159,461	161,690
Furnishings, households equipment and routine maintenance of the house	248,225	269,523	288,697	287,094	292,501	301,948	302,115	310,481
<i>Furniture and furnishings, carpets and other floor covering</i>	25,334	24,717	25,685	26,116	25,748	26,629	26,326	27,373
<i>Households equipment and routine maintenance of the house</i>	222,586	244,258	262,354	260,374	266,047	274,595	275,033	282,361
Health	239,826	275,700	288,922	304,324	313,050	323,281	338,482	348,697
Transport	653,513	665,149	797,315	805,567	714,475	736,344	768,315	836,701
<i>Purchase of vehicles</i>	268,464	287,700	448,379	435,114	293,513	266,130	270,020	323,504
<i>Operation of personal transport equipment</i>	182,549	175,785	184,870	191,618	195,025	214,534	229,941	236,814
<i>Transport services</i>	215,142	222,048	227,246	235,319	238,960	252,769	261,683	277,992
Communication	167,992	178,372	185,408	196,805	217,781	231,361	236,184	250,686
Recreation and culture	275,410	302,730	347,026	374,545	366,153	374,588	432,527	467,176
<i>Audio-visual, photographic and information processing equipment</i>	82,942	89,483	100,356	99,558	98,379	83,608	82,506	89,480
<i>Other recreation and entertainment</i>	148,016	166,574	196,169	218,549	211,783	233,413	290,543	317,973
<i>Newspaper, books and stationery</i>	44,075	45,901	49,037	53,009	52,888	50,565	48,448	47,961
Education	84,702	85,593	85,247	90,151	90,239	94,088	94,409	96,789
Restaurants and hotels	603,555	655,770	737,486	828,550	846,848	951,993	1,013,812	1,117,980
Miscellaneous goods and services	434,090	465,241	514,400	570,714	610,891	669,844	692,862	726,396
<i>Personal care</i>	95,450	103,318	109,900	116,209	124,540	136,570	140,175	149,040
<i>Personal effects n.e.c.</i>	68,154	80,989	86,449	95,842	106,711	131,304	135,559	147,242
<i>Financial services</i>	199,694	206,033	238,546	274,577	292,371	307,454	319,549	328,111
<i>Other services n.e.c.</i>	68,844	71,375	75,241	78,037	79,977	84,419	86,931	90,368
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	79,454	85,648	90,374	95,631	102,512	101,974	103,573	107,372
<i>Health, education, and social protection</i>	46,755	49,131	50,136	52,234	55,077	54,784	55,038	58,282
<i>Other services n.e.c.</i>	32,701	36,518	40,239	43,399	47,438	47,193	48,531	49,100
Private final consumption expenditure in the domestic market	4,670,030	4,872,696	5,267,395	5,452,185	5,451,107	5,724,924	5,953,285	6,269,050
Plus : Expenditure of residents abroad	125,284	125,791	144,988	143,709	160,796	182,268	218,655	241,727
Less : Expenditure of non-residents in the country	483,558	617,383	744,063	898,175	873,680	1,076,145	1,207,584	1,411,995
Private final consumption expenditure	4,313,694	4,392,805	4,687,903	4,731,751	4,768,309	4,879,051	5,020,058	5,169,727

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 39.1 Composition of private final consumption expenditure chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	137.0	142.9	154.5	159.9	159.6	167.8	174.6	183.9
Food and non-alcoholic	123.4	124.4	125.5	124.6	125.6	128.4	131.2	134.1
Food	116.7	117.6	117.1	115.2	116.1	118.9	121.8	124.9
Bread and cereals	112.6	114.4	115.4	115.6	119.7	121.0	123.6	124.9
Meat	128.7	129.4	128.4	127.9	129.5	134.8	138.4	142.4
Fish	144.7	152.2	148.3	137.3	124.1	125.5	127.0	128.5
Milk, cheese and eggs	123.4	118.4	117.7	124.9	125.8	126.3	129.5	134.6
Oil and fat	172.9	197.8	205.2	209.6	223.0	225.1	214.4	221.1
Fruit	84.0	81.3	80.2	79.0	80.7	82.1	82.7	86.6
Vegetables	111.0	110.2	109.7	104.1	105.9	111.3	117.8	121.6
Sugar, jam, honey, chocolate and confectionery	132.2	127.3	124.1	125.7	123.7	123.8	122.2	124.1
Food products n.e.c.	98.8	99.9	98.7	99.7	101.3	104.5	107.6	108.5
Non-alcoholic beverages	170.7	172.6	190.9	199.5	202.7	204.4	205.1	206.2
Alcoholic beverages, tobacco and narcotic	122.2	121.1	124.7	121.2	118.8	120.6	116.7	116.3
Alcoholic beverages	134.3	130.8	138.5	131.5	125.7	128.1	123.6	123.2
Tobacco	97.1	100.1	96.8	99.3	102.0	102.9	100.3	99.7
Clothing and footwear	122.8	126.8	126.4	122.4	119.8	122.0	126.0	129.2
Clothing	120.6	123.8	123.4	118.2	114.9	116.4	119.9	123.0
Footwear	154.9	169.7	170.9	186.2	195.0	209.2	222.2	227.3
Housing, water, electricity, gas and other fuels	133.8	137.5	148.6	151.2	156.7	164.1	171.1	178.5
Housing and water	132.1	136.6	142.7	145.5	151.8	158.0	164.4	173.5
Electricity, gas and other fuels	138.1	139.8	164.6	166.7	170.2	180.8	189.3	191.9
Furnishings, households equipment and routine maintenance of the house	159.9	173.6	185.9	184.9	188.4	194.5	194.6	200.0
Furniture and furnishings, carpets and other floor covering	94.3	92.0	95.6	97.2	95.8	99.1	98.0	101.9
Households equipment and routine maintenance of the house	173.4	190.2	204.3	202.8	207.2	213.9	214.2	219.9
Health	152.2	175.0	183.4	193.2	198.7	205.2	214.8	221.3
Transport	143.4	146.0	175.0	176.8	156.8	161.6	168.6	183.6
Purchase of vehicles	205.3	220.1	343.0	332.8	224.5	203.6	206.5	247.4
Operation of personal transport equipment	115.2	110.9	116.6	120.9	123.0	135.4	145.1	149.4
Transport services	129.3	133.5	136.6	141.4	143.6	151.9	157.3	167.1
Communication	185.2	196.6	204.4	217.0	240.1	255.0	260.4	276.3
Recreation and culture	154.0	169.2	194.0	209.4	204.7	209.4	241.8	261.2
Audio-visual, photographic and information processing equipment	130.4	140.6	157.7	156.5	154.6	131.4	129.7	140.6
Other recreation and entertainment	175.3	197.3	232.4	258.9	250.9	276.5	344.2	376.7
Newspaper, books and stationery	142.9	148.9	159.0	171.9	171.5	164.0	157.1	155.5
Education	148.9	150.4	149.8	158.4	158.6	165.4	165.9	170.1
Restaurants and hotels	140.6	152.8	171.8	193.1	197.3	221.8	236.2	260.5
Miscellaneous goods and services	138.7	148.7	164.4	182.4	195.2	214.0	221.4	232.1
Personal care	147.7	159.9	170.1	179.9	192.8	211.4	217.0	230.7
Personal effects n.e.c.	135.2	160.7	171.5	190.2	211.7	260.5	269.0	292.1
Financial services	152.6	157.4	182.3	209.8	223.4	234.9	244.2	250.7
Other services n.e.c.	102.7	106.4	112.2	116.4	119.3	125.9	129.6	134.8
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	138.6	149.4	157.7	166.8	178.8	177.9	180.7	187.3
Health, education, and social protection	108.4	113.9	116.2	121.1	127.7	127.0	127.6	135.1
Other services n.e.c.	230.7	257.7	283.9	306.2	334.7	333.0	342.4	346.4
Private final consumption expenditure in the domestic market	137.0	143.0	154.6	160.0	160.0	168.0	174.7	184.0
Plus : Expenditure of residents abroad	110.2	110.7	127.5	126.4	141.4	160.3	192.3	212.6
Less : Expenditure of non-residents in the country	155.8	198.9	239.8	289.4	281.5	346.8	389.1	455.0
Private final consumption expenditure	134.3	136.8	146.0	147.4	148.5	151.9	156.3	161.0

Table 39.2 Growth rate of composition of private final consumption expenditure
chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	Percent 2017p
Individual consumption expenditure of households	6.4	4.3	8.1	3.5	-0.1	5.1	4.0	5.3
Food and non-alcoholic	1.7	0.8	0.9	-0.8	0.9	2.2	2.1	2.3
Food	0.5	0.8	-0.4	-1.6	0.8	2.4	2.4	2.5
Bread and cereals	2.4	1.6	0.8	0.2	3.5	1.1	2.2	1.0
Meat	2.1	0.6	-0.8	-0.4	1.3	4.0	2.7	2.9
Fish	0.0	5.2	-2.5	-7.5	-9.6	1.1	1.2	1.1
Milk, cheese and eggs	4.8	-4.0	-0.7	6.1	0.7	0.4	2.5	3.9
Oil and fat	7.5	14.4	3.8	2.2	6.4	1.0	-4.8	3.1
Fruit	0.2	-3.2	-1.4	-1.5	2.2	1.7	0.7	4.7
Vegetables	-4.9	-0.7	-0.5	-5.1	1.7	5.1	5.8	3.2
Sugar, jam, honey, chocolate and confectionery	5.5	-3.7	-2.5	1.2	-1.5	0.0	-1.3	1.6
Food products n.e.c.	-2.6	1.1	-1.2	1.1	1.6	3.2	2.9	0.9
Non-alcoholic beverages	10.0	1.1	10.6	4.5	1.6	0.9	0.3	0.6
Alcoholic beverages, tobacco and narcotic	0.4	-0.9	3.0	-2.8	-2.1	1.6	-3.2	-0.4
Alcoholic beverages	-2.3	-2.6	5.9	-5.0	-4.4	1.9	-3.5	-0.3
Tobacco	6.7	3.0	-3.2	2.5	2.8	0.9	-2.5	-0.6
Clothing and footwear	1.2	3.2	-0.3	-3.2	-2.1	1.8	3.3	2.5
Clothing	0.7	2.7	-0.4	-4.2	-2.8	1.3	3.0	2.6
Footwear	6.9	9.6	0.7	9.0	4.7	7.3	6.2	2.3
Housing, water, electricity, gas and other fuels	6.0	2.8	8.1	1.7	3.6	4.8	4.3	4.3
Housing and water	4.0	3.3	4.5	1.9	4.4	4.0	4.1	5.5
Electricity, gas and other fuels	11.8	1.2	17.8	1.3	2.1	6.2	4.7	1.4
Furnishings, households equipment and routine maintenance of the house	11.9	8.6	7.1	-0.6	1.9	3.2	0.1	2.8
Furniture and furnishings, carpets and other floor covering	0.4	-2.4	3.9	1.7	-1.4	3.4	-1.1	4.0
Households equipment and routine maintenance of the house	13.3	9.7	7.4	-0.8	2.2	3.2	0.2	2.7
Health	13.1	15.0	4.8	5.3	2.9	3.3	4.7	3.0
Transport	13.7	1.8	19.9	1.0	-11.3	3.1	4.3	8.9
Purchase of vehicles	40.2	7.2	55.8	-3.0	-32.5	-9.3	1.5	19.8
Operation of personal transport equipment	2.6	-3.7	5.2	3.7	1.8	10.0	7.2	3.0
Transport services	6.8	3.2	2.3	3.6	1.5	5.8	3.5	6.2
Communication	7.1	6.2	3.9	6.1	10.7	6.2	2.1	6.1
Recreation and culture	13.0	9.9	14.6	7.9	-2.2	2.3	15.5	8.0
Audio-visual, photographic and information processing equipment	11.6	7.9	12.2	-0.8	-1.2	-15.0	-1.3	8.5
Other recreation and entertainment	15.9	12.5	17.8	11.4	-3.1	10.2	24.5	9.4
Newspaper, books and stationery	6.4	4.1	6.8	8.1	-0.2	-4.4	-4.2	-1.0
Education	3.4	1.1	-0.4	5.8	0.1	4.3	0.3	2.5
Restaurants and hotels	9.2	8.7	12.5	12.3	2.2	12.4	6.5	10.3
Miscellaneous goods and services	2.5	7.2	10.6	10.9	7.0	9.7	3.4	4.8
Personal care	3.1	8.2	6.4	5.7	7.2	9.7	2.6	6.3
Personal effects n.e.c.	7.1	18.8	6.7	10.9	11.3	23.0	3.2	8.6
Financial services	3.1	3.2	15.8	15.1	6.5	5.2	3.9	2.7
Other services n.e.c.	-4.9	3.7	5.4	3.7	2.5	5.6	3.0	4.0
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	1.2	7.8	5.5	5.8	7.2	-0.5	1.6	3.7
Health, education, and social protection	0.7	5.1	2.0	4.2	5.4	-0.5	0.5	5.9
Other services n.e.c.	1.9	11.7	10.2	7.9	9.3	-0.5	2.8	1.2
Private final consumption expenditure in the domestic market	6.3	4.3	8.1	3.5	0.0	5.0	4.0	5.3
Plus : Expenditure of residents abroad	18.4	0.4	15.3	-0.9	11.9	13.4	20.0	10.6
Less : Expenditure of non-residents in the country	18.0	27.7	20.5	20.7	-2.7	23.2	12.2	16.9
Private final consumption expenditure	5.5	1.8	6.7	0.9	0.8	2.3	2.9	3.0

Table 40 Composition of private final consumption expenditure by type and durability at current market prices

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	5,967,198	6,476,051	7,166,720	7,570,634	7,704,512	8,029,983	8,394,935	8,907,478
Food and non-alcoholic	1,589,711	1,726,426	1,809,626	1,871,175	1,930,228	1,974,733	2,051,897	2,074,403
Non-durable goods	1,589,711	1,726,426	1,809,626	1,871,175	1,930,228	1,974,733	2,051,897	2,074,403
Alcoholic beverages, tobacco and narcotic	235,068	235,457	249,956	255,988	264,832	270,515	281,902	287,230
Non-durable goods	235,068	235,457	249,956	255,988	264,832	270,515	281,902	287,230
Clothing and footwear	311,625	329,516	337,151	333,514	333,965	350,036	368,347	377,535
Semi-durable goods	308,310	325,926	333,238	329,207	329,756	345,458	364,370	373,543
Services	3,315	3,590	3,913	4,307	4,209	4,578	3,977	3,992
Housing, water, electricity, gas and other fuels	541,654	559,203	620,357	646,148	687,411	718,918	735,410	768,568
Non-durable goods	176,349	181,014	224,030	241,003	262,268	269,133	263,993	267,694
Services	365,305	378,189	396,327	405,145	425,143	449,785	471,417	500,874
Furnishings, households equipment and routine maintenance of the house	258,052	283,522	307,570	308,190	318,740	332,920	333,749	340,759
Durable goods	58,789	69,315	71,641	71,549	72,043	73,998	73,860	74,057
Semi-durable goods	128,938	141,813	159,455	157,699	163,946	170,862	168,924	172,693
Non-durable goods	39,784	41,740	43,418	45,199	47,089	49,088	51,101	53,220
Services	30,541	30,654	33,056	33,743	35,662	38,972	39,864	40,789
Health	256,202	296,608	310,393	329,391	343,885	358,602	378,054	391,216
Durable goods	4,730	5,423	6,093	6,096	6,375	6,511	6,819	6,832
Non-durable goods	87,787	106,786	114,531	129,225	138,620	147,186	160,516	169,509
Services	163,685	184,399	189,769	194,070	198,890	204,905	210,719	214,875
Transport	958,221	1,015,093	1,237,489	1,266,890	1,130,663	1,067,202	1,071,433	1,201,184
Durable goods	290,255	312,060	484,882	480,754	331,077	302,467	307,901	369,883
Semi-durable goods	26,204	25,652	28,079	28,706	28,408	30,999	31,691	32,962
Non-durable goods	301,584	322,725	354,673	370,827	378,652	324,834	317,948	358,449
Services	340,178	354,656	369,855	386,603	392,526	408,902	413,893	439,890
Communication	131,146	139,026	150,069	155,176	156,451	162,153	165,352	175,215
Durable goods	5,767	6,033	6,535	7,306	7,497	7,467	7,543	7,658
Services	125,379	132,993	143,534	147,870	148,954	154,686	157,809	167,557
Recreation and culture	281,876	311,765	361,447	392,012	387,702	395,775	453,405	490,622
Durable goods	62,617	67,167	78,861	79,365	78,529	66,224	65,500	71,009
Semi-durable goods	42,131	42,202	43,056	43,204	43,656	44,085	41,346	42,765
Non-durable goods	32,959	35,042	39,056	43,166	42,880	40,530	41,715	39,822
Services	144,169	167,354	200,474	226,277	222,637	244,936	304,844	337,026
Education	88,205	88,971	88,651	94,398	95,462	101,379	104,442	109,473
Services	88,205	88,971	88,651	94,398	95,462	101,379	104,442	109,473
Restaurants and hotels	732,555	836,762	958,244	1,103,583	1,164,338	1,328,794	1,424,898	1,613,381
Services	732,555	836,762	958,244	1,103,583	1,164,338	1,328,794	1,424,898	1,613,381
Miscellaneous goods and services	582,883	653,702	735,767	814,169	890,835	968,956	1,026,046	1,077,892
Durable goods	90,759	115,616	123,157	130,220	134,886	154,960	173,172	192,083
Semi-durable goods	19,557	26,231	31,187	32,885	47,701	60,420	66,011	67,175
Non-durable goods	84,341	92,923	101,193	108,698	119,539	132,525	136,219	146,317
Services	388,226	418,932	480,230	542,366	588,709	621,051	650,644	672,317
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	101,575	112,359	122,135	132,065	144,252	144,725	145,949	152,312
Semi-durable goods	521	589	794	961	1,092	1,092	1,115	1,091
Non-durable goods	20,198	21,623	21,795	22,863	24,597	24,483	25,808	25,915
Services	80,856	90,147	99,546	108,241	118,563	119,150	119,026	125,306
Private final consumption expenditure in the domestic market	6,068,773	6,588,410	7,288,855	7,702,699	7,848,764	8,174,708	8,540,884	9,059,790
Plus : Expenditure of residents abroad	150,591	156,957	186,322	188,700	215,003	239,935	290,023	321,458
Less : Expenditure of non-residents in the country	580,152	757,123	931,116	1,144,523	1,130,325	1,402,774	1,579,894	1,851,880
Private final consumption expenditure	5,639,212	5,988,244	6,544,061	6,746,876	6,933,442	7,011,869	7,251,013	7,529,368
Durable goods	512,918	575,615	771,169	775,291	630,408	611,627	634,796	721,522
Semi-durable goods	525,661	562,414	595,809	592,662	614,558	652,916	673,457	690,230
Non-durable goods	2,567,782	2,763,736	2,958,277	3,088,145	3,208,704	3,233,028	3,331,099	3,422,557
Services	2,032,851	2,086,479	2,218,806	2,290,778	2,479,772	2,514,298	2,611,661	2,695,059

Table 41 Composition of private final consumption expenditure by type and durability chain volume measures (reference year = 2002)

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	4,590,631	4,787,151	5,177,066	5,356,650	5,348,848	5,623,085	5,849,837	6,161,779
Food and non-alcoholic	893,064	900,363	908,696	901,679	909,497	929,617	949,546	971,125
Non-durable goods	893,064	900,363	908,696	901,679	909,497	929,617	949,546	971,125
Alcoholic beverages, tobacco and narcotic	210,095	208,220	214,424	208,513	204,218	207,395	200,760	199,976
Non-durable goods	210,095	208,220	214,424	208,513	204,218	207,395	200,760	199,976
Clothing and footwear	291,924	301,228	300,378	290,835	284,688	289,892	299,508	307,130
Semi-durable goods	288,737	297,818	296,690	286,829	280,796	285,746	295,900	303,498
Services	3,194	3,421	3,710	4,056	3,940	4,213	3,600	3,616
Housing, water, electricity, gas and other fuels	508,519	522,510	564,773	574,489	595,425	623,709	650,267	678,178
Non-durable goods	141,747	145,509	168,988	171,728	176,055	186,325	194,248	197,101
Services	365,101	375,318	391,220	398,168	415,341	432,296	450,719	477,190
Furnishings, households equipment and routine maintenance of the house	248,225	269,523	288,697	287,094	292,501	301,948	302,115	310,481
Durable goods	61,046	72,478	74,789	75,138	75,288	76,803	76,537	77,883
Semi-durable goods	130,354	142,339	159,125	157,161	162,366	168,110	165,659	170,962
Non-durable goods	31,231	32,068	32,674	34,010	34,938	36,231	37,988	39,600
Services	27,354	25,752	26,127	24,665	24,085	24,963	25,316	25,549
Health	239,826	275,700	288,922	304,324	313,050	323,281	338,482	348,697
Durable goods	5,873	5,740	7,364	7,388	7,303	7,181	7,307	7,113
Non-durable goods	83,503	101,379	109,950	123,235	131,549	139,193	152,282	160,125
Services	150,673	168,750	172,102	174,540	175,257	178,157	180,685	183,534
Transport	653,513	665,149	797,315	805,567	714,475	736,344	768,315	836,701
Durable goods	268,463	287,699	448,378	435,113	293,512	266,129	270,019	323,503
Semi-durable goods	21,330	20,214	21,595	22,123	21,743	24,237	24,794	25,364
Non-durable goods	135,595	129,924	136,490	141,238	144,033	158,565	170,730	174,487
Services	242,540	249,846	256,436	266,232	270,604	287,174	298,608	317,838
Communication	167,992	178,372	185,408	196,805	217,781	231,361	236,184	250,686
Durable goods	8,428	9,148	10,161	11,340	12,819	12,894	13,031	13,235
Services	159,599	169,266	175,416	185,764	205,344	218,732	223,400	237,606
Recreation and culture	275,410	302,730	347,026	374,545	366,153	374,588	432,527	467,176
Durable goods	73,834	81,111	92,792	93,126	91,806	76,832	75,346	82,200
Semi-durable goods	40,604	40,595	41,239	41,419	41,488	41,584	38,799	40,053
Non-durable goods	29,939	31,334	34,214	38,110	37,294	34,892	35,935	35,570
Services	130,864	149,258	177,847	198,910	192,928	214,072	270,216	296,320
Education	84,702	85,593	85,247	90,151	90,239	94,088	94,409	96,789
Services	84,702	85,593	85,247	90,151	90,239	94,088	94,409	96,789
Restaurants and hotels	603,555	655,770	737,486	828,550	846,848	951,993	1,013,812	1,117,980
Services	603,555	655,770	737,486	828,550	846,848	951,993	1,013,812	1,117,980
Miscellaneous goods and services	434,090	465,241	514,400	570,714	610,891	669,844	692,862	726,396
Durable goods	51,805	60,381	64,218	72,021	75,125	91,640	93,371	103,442
Semi-durable goods	17,807	23,082	25,031	26,447	36,943	46,633	49,775	51,278
Non-durable goods	73,844	79,809	85,402	90,772	98,543	108,082	110,408	118,125
Services	292,202	302,887	341,206	382,029	402,700	424,747	440,783	453,972
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	79,454	85,648	90,374	95,631	102,512	101,974	103,573	107,372
Semi-durable goods	513	598	798	957	1,079	1,079	1,095	1,076
Non-durable goods	17,079	17,833	17,663	18,221	19,169	19,080	19,831	19,855
Services	61,951	67,268	71,901	76,421	82,204	81,758	82,644	86,353
Private final consumption expenditure in the domestic market	4,670,030	4,872,696	5,267,395	5,452,185	5,451,107	5,724,924	5,953,285	6,269,050
Plus : Expenditure of residents abroad	125,284	125,791	144,988	143,709	160,796	182,269	218,655	241,728
Less : Expenditure of non-residents in the country	483,557	617,383	744,062	898,174	873,679	1,076,144	1,207,583	1,411,994
Private final consumption expenditure	4,313,694	4,392,805	4,687,903	4,731,751	4,768,309	4,879,051	5,020,058	5,169,727
Durable goods	464,469	512,813	687,175	688,974	554,835	543,697	549,033	624,158
Semi-durable goods	499,370	524,117	543,056	533,717	543,669	567,985	578,105	594,246
Non-durable goods	1,612,747	1,632,883	1,684,791	1,697,445	1,721,567	1,785,315	1,835,728	1,877,591
Services	1,757,545	1,750,562	1,833,103	1,872,112	1,993,174	2,015,181	2,090,295	2,117,952

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 41.1 Composition of private final consumption expenditure by type and durability chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Individual consumption expenditure of households	137.0	142.9	154.5	159.9	159.6	167.8	174.6	183.9
Food and non-alcoholic	123.4	124.4	125.5	124.6	125.6	128.4	131.2	134.1
<i>Non-durable goods</i>	123.4	124.4	125.5	124.6	125.6	128.4	131.2	134.1
Alcoholic beverages, tobacco and narcotic	122.2	121.1	124.7	121.2	118.8	120.6	116.7	116.3
<i>Non-durable goods</i>	122.2	121.1	124.7	121.2	118.8	120.6	116.7	116.3
Clothing and footwear	122.8	126.8	126.4	122.4	119.8	122.0	126.0	129.2
<i>Semi-durable goods</i>	122.5	126.3	125.9	121.7	119.1	121.2	125.5	128.8
<i>Services</i>	165.6	177.3	192.3	210.3	204.3	218.4	186.6	187.5
Housing, water, electricity, gas and other fuels	133.8	137.5	148.6	151.2	156.7	164.1	171.1	178.5
<i>Non-durable goods</i>	137.7	141.4	164.2	166.8	171.0	181.0	188.7	191.5
<i>Services</i>	131.8	135.5	141.2	143.7	149.9	156.0	162.7	172.2
Furnishings, households equipment and routine maintenance of the house	159.9	173.6	185.9	184.9	188.4	194.5	194.6	200.0
<i>Durable goods</i>	197.3	234.2	241.7	242.8	243.3	248.2	247.3	251.7
<i>Semi-durable goods</i>	177.8	194.1	217.0	214.3	221.4	229.3	225.9	233.1
<i>Non-durable goods</i>	130.0	133.5	136.0	141.5	145.4	150.8	158.1	164.8
<i>Services</i>	101.5	95.5	96.9	91.5	89.3	92.6	93.9	94.8
Health	152.2	175.0	183.4	193.2	198.7	205.2	214.8	221.3
<i>Durable goods</i>	446.3	436.2	559.6	561.4	554.9	545.7	555.2	540.5
<i>Non-durable goods</i>	146.2	177.5	192.5	215.8	230.4	243.8	266.7	280.4
<i>Services</i>	152.0	170.2	173.6	176.1	176.8	179.7	182.3	185.1
Transport	143.4	146.0	175.0	176.8	156.8	161.6	168.6	183.6
<i>Durable goods</i>	205.3	220.1	343.0	332.8	224.5	203.6	206.5	247.4
<i>Semi-durable goods</i>	139.9	132.6	141.7	145.1	142.7	159.0	162.7	166.4
<i>Non-durable goods</i>	112.4	107.7	113.2	117.1	119.4	131.5	141.6	144.7
<i>Services</i>	128.3	132.2	135.7	140.9	143.2	151.9	158.0	168.2
Communication	185.2	196.6	204.4	216.9	240.1	255.0	260.4	276.3
<i>Durable goods</i>	154.8	168.0	186.6	208.3	235.5	236.8	239.4	243.1
<i>Services</i>	187.2	198.5	205.7	217.9	240.8	256.5	262.0	278.7
Recreation and culture	154.0	169.2	194.0	209.4	204.7	209.4	241.8	261.2
<i>Durable goods</i>	125.5	137.9	157.7	158.3	156.1	130.6	128.1	139.7
<i>Semi-durable goods</i>	229.8	229.8	233.4	234.4	234.8	235.4	219.6	226.7
<i>Non-durable goods</i>	109.8	114.9	125.4	139.7	136.7	127.9	131.8	130.4
<i>Services</i>	174.2	198.7	236.8	264.8	256.9	285.0	359.8	394.5
Education	148.9	150.4	149.8	158.4	158.6	165.4	165.9	170.1
<i>Services</i>	148.9	150.4	149.8	158.4	158.6	165.4	165.9	170.1
Restaurants and hotels	140.6	152.8	171.8	193.1	197.3	221.8	236.2	260.5
<i>Services</i>	140.6	152.8	171.8	193.1	197.3	221.8	236.2	260.5
Miscellaneous goods and services	138.7	148.7	164.4	182.4	195.2	214.0	221.4	232.1
<i>Durable goods</i>	117.7	137.2	145.9	163.6	170.7	208.2	212.1	235.0
<i>Semi-durable goods</i>	282.4	366.0	396.9	419.4	585.8	739.5	789.3	813.2
<i>Non-durable goods</i>	149.1	161.1	172.4	183.3	199.0	218.2	222.9	238.5
<i>Services</i>	137.1	142.1	160.1	179.3	189.0	199.3	206.9	213.0
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	138.6	149.4	157.7	166.8	178.8	177.9	180.7	187.3
<i>Semi-durable goods</i>	226.0	263.4	351.5	421.6	475.3	475.3	482.4	474.0
<i>Non-durable goods</i>	344.5	359.7	356.3	367.5	386.6	384.8	400.0	400.5
<i>Services</i>	118.8	129.0	137.9	146.6	157.7	156.8	158.5	165.6
Private final consumption expenditure in the domestic market	137.0	143.0	154.6	160.0	160.0	168.0	174.7	184.0
Plus : Expenditure of residents abroad	110.2	110.7	127.5	126.4	141.4	160.3	192.3	212.6
Less : Expenditure of non-residents in the country	155.8	198.9	239.8	289.4	281.5	346.8	389.1	455.0
Private final consumption expenditure	134.3	136.8	146.0	147.4	148.5	151.9	156.3	161.0
<i>Durable goods</i>	171.2	189.0	253.3	254.0	204.5	200.4	202.4	230.1
<i>Semi-durable goods</i>	143.3	150.4	155.8	153.2	156.0	163.0	165.9	170.5
<i>Non-durable goods</i>	125.8	127.3	131.4	132.4	134.3	139.2	143.2	146.4
<i>Services</i>	134.3	133.7	140.0	143.0	152.3	153.9	159.7	161.8

Table 41.2 Growth rate of composition of private final consumption expenditure by type and durability chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	Percent 2017p
Individual consumption expenditure of households	6.4	4.3	8.1	3.5	-0.1	5.1	4.0	5.3
Food and non-alcoholic	1.7	0.8	0.9	-0.8	0.9	2.2	2.1	2.3
<i>Non-durable goods</i>	1.7	0.8	0.9	-0.8	0.9	2.2	2.1	2.3
Alcoholic beverages, tobacco and narcotic	0.4	-0.9	3.0	-2.8	-2.1	1.6	-3.2	-0.4
<i>Non-durable goods</i>	0.4	-0.9	3.0	-2.8	-2.1	1.6	-3.2	-0.4
Clothing and footwear	1.2	3.2	-0.3	-3.2	-2.1	1.8	3.3	2.5
<i>Semi-durable goods</i>	1.2	3.1	-0.4	-3.3	-2.1	1.8	3.6	2.6
<i>Services</i>	1.5	7.1	8.4	9.3	-2.9	6.9	-14.6	0.4
Housing, water, electricity, gas and other fuels	6.0	2.8	8.1	1.7	3.6	4.8	4.3	4.3
<i>Non-durable goods</i>	15.7	2.7	16.1	1.6	2.5	5.8	4.3	1.5
<i>Services</i>	1.8	2.8	4.2	1.8	4.3	4.1	4.3	5.9
Furnishings, households equipment and routine maintenance of the house	11.9	8.6	7.1	-0.6	1.9	3.2	0.1	2.8
<i>Durable goods</i>	19.2	18.7	3.2	0.5	0.2	2.0	-0.3	1.8
<i>Semi-durable goods</i>	17.1	9.2	11.8	-1.2	3.3	3.5	-1.5	3.2
<i>Non-durable goods</i>	5.1	2.7	1.9	4.1	2.7	3.7	4.8	4.2
<i>Services</i>	-8.9	-5.9	1.5	-5.6	-2.4	3.6	1.4	0.9
Health	13.1	15.0	4.8	5.3	2.9	3.3	4.7	3.0
<i>Durable goods</i>	12.0	-2.3	28.3	0.3	-1.2	-1.7	1.8	-2.7
<i>Non-durable goods</i>	6.4	21.4	8.5	12.1	6.7	5.8	9.4	5.2
<i>Services</i>	17.1	12.0	2.0	1.4	0.4	1.7	1.4	1.6
Transport	13.7	1.8	19.9	1.0	-11.3	3.1	4.3	8.9
<i>Durable goods</i>	40.2	7.2	55.8	-3.0	-32.5	-9.3	1.5	19.8
<i>Semi-durable goods</i>	17.3	-5.2	6.8	2.4	-1.7	11.5	2.3	2.3
<i>Non-durable goods</i>	1.8	-4.2	5.1	3.5	2.0	10.1	7.7	2.2
<i>Services</i>	5.9	3.0	2.6	3.8	1.6	6.1	4.0	6.4
Communication	7.1	6.2	3.9	6.1	10.7	6.2	2.1	6.1
<i>Durable goods</i>	14.3	8.5	11.1	11.6	13.0	0.6	1.1	1.6
<i>Services</i>	6.7	6.1	3.6	5.9	10.5	6.5	2.1	6.4
Recreation and culture	13.0	9.9	14.6	7.9	-2.2	2.3	15.5	8.0
<i>Durable goods</i>	12.8	9.9	14.4	0.4	-1.4	-16.3	-1.9	9.1
<i>Semi-durable goods</i>	5.9	0.0	1.6	0.4	0.2	0.2	-6.7	3.2
<i>Non-durable goods</i>	9.1	4.7	9.2	11.4	-2.1	-6.4	3.0	-1.0
<i>Services</i>	16.5	14.1	19.2	11.8	-3.0	11.0	26.2	9.7
Education	3.4	1.1	-0.4	5.8	0.1	4.3	0.3	2.5
<i>Services</i>	3.4	1.1	-0.4	5.8	0.1	4.3	0.3	2.5
Restaurants and hotels	9.2	8.7	12.5	12.3	2.2	12.4	6.5	10.3
<i>Services</i>	9.2	8.7	12.5	12.3	2.2	12.4	6.5	10.3
Miscellaneous goods and services	2.5	7.2	10.6	10.9	7.0	9.7	3.4	4.8
<i>Durable goods</i>	6.9	16.6	6.4	12.2	4.3	22.0	1.9	10.8
<i>Semi-durable goods</i>	8.0	29.6	8.4	5.7	39.7	26.2	6.7	3.0
<i>Non-durable goods</i>	2.5	8.1	7.0	6.3	8.6	9.7	2.2	7.0
<i>Services</i>	1.3	3.7	12.7	12.0	5.4	5.5	3.8	3.0
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	1.2	7.8	5.5	5.8	7.2	-0.5	1.6	3.7
<i>Semi-durable goods</i>	42.5	16.6	33.4	19.9	12.7	0.0	1.5	-1.7
<i>Non-durable goods</i>	7.1	4.4	-1.0	3.2	5.2	-0.5	3.9	0.1
<i>Services</i>	-0.4	8.6	6.9	6.3	7.6	-0.5	1.1	4.5
Private final consumption expenditure in the domestic market	6.3	4.3	8.1	3.5	0.0	5.0	4.0	5.3
Plus : Expenditure of residents abroad	18.4	0.4	15.3	-0.9	11.9	13.4	20.0	10.6
Less : Expenditure of non-residents in the country	18.0	27.7	20.5	20.7	-2.7	23.2	12.2	16.9
Private final consumption expenditure	5.5	1.8	6.7	0.9	0.8	2.3	2.9	3.0
<i>Durable goods</i>	26.4	10.4	34.0	0.3	-19.5	-2.0	1.0	13.7
<i>Semi-durable goods</i>	6.1	5.0	3.6	-1.7	1.9	4.5	1.8	2.8
<i>Non-durable goods</i>	2.9	1.2	3.2	0.8	1.4	3.7	2.8	2.3
<i>Services</i>	3.9	-0.4	4.7	2.1	6.5	1.1	3.7	1.3

**Table 42 Composition of general government final consumption expenditure
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
By type of expenditure								
Compensation of employees	926,078	995,458	1,087,339	1,140,263	1,228,295	1,297,373	1,357,409	1,411,047
Consumption of fixed capital	193,277	209,493	232,355	245,156	249,347	261,017	273,413	286,106
Purchases from enterprises and abroad	446,794	484,161	532,817	590,214	621,383	680,722	714,549	722,556
Less: Purchases by households and enterprises	72,466	77,384	77,388	100,156	105,072	129,347	140,775	151,269
Social transfers in kind - purchased market production	214,094	213,408	245,671	237,892	244,131	243,277	260,314	261,504
General government final consumption expenditure	1,707,777	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,464,910	2,529,944
By classification of the functions of government (COFOG)								
General public services	221,200	239,642	275,399	303,314	322,281	349,286	359,288	359,681
Defence	155,824	177,694	183,465	194,480	218,360	239,571	257,713	260,960
Public order and safety	172,584	176,949	191,284	192,827	200,720	211,882	221,854	225,185
Economic affairs	254,208	262,366	278,155	295,570	294,757	301,524	301,950	314,354
Environmental protection	23,893	25,542	28,273	28,143	28,925	31,598	35,007	35,392
Housing and community amenities	44,737	53,600	63,622	72,800	67,899	70,063	75,629	77,746
Health	276,167	282,445	328,196	339,741	369,807	383,705	410,929	433,455
Recreation, culture and religion	35,418	34,283	38,685	38,127	37,452	37,673	40,420	40,816
Education	498,038	543,631	602,520	619,739	665,947	695,012	728,213	749,274
Social protection	25,708	28,984	31,195	28,628	31,936	32,728	33,907	33,081
General government final consumption expenditure	1,707,777	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,464,910	2,529,944
By type of services								
Collective consumption expenditure	890,448	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,251,330	1,271,785
Individual consumption expenditure	817,329	870,307	982,822	1,012,806	1,096,911	1,148,884	1,213,580	1,258,159
General government final consumption expenditure	1,707,777	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,464,910	2,529,944

**Table 43 Composition of general government final consumption expenditure
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
By type of expenditure								
Compensation of employees	628,287	650,919	681,549	686,105	708,807	715,799	721,779	725,789
Consumption of fixed capital	146,612	153,040	164,360	169,502	168,101	170,249	172,367	175,265
Purchases from enterprises and abroad	380,710	405,560	438,987	478,588	499,066	556,270	585,357	584,973
Less: Purchases by households and enterprises	62,590	65,952	64,761	82,571	85,908	107,879	117,881	125,120
Social transfers in kind - purchased market production	184,927	181,892	205,124	196,646	198,656	195,931	208,120	207,922
General government final consumption expenditure	1,255,683	1,302,439	1,395,850	1,417,379	1,457,177	1,493,836	1,527,369	1,529,089
By classification of the functions of government (COFOG)								
General public services	167,140	177,340	198,766	212,911	220,622	234,841	235,365	229,195
Defence	113,089	126,171	126,580	129,176	140,887	151,070	158,153	155,595
Public order and safety	128,575	129,871	136,717	133,494	135,064	138,798	140,811	138,480
Economic affairs	191,213	191,408	197,345	203,022	197,605	198,511	194,211	197,140
Environmental protection	17,694	18,404	19,823	19,130	19,209	20,682	22,411	22,092
Housing and community amenities	33,826	39,433	45,494	50,455	45,974	46,553	49,057	49,171
Health	214,218	215,684	244,347	246,432	261,793	266,116	278,905	288,102
Recreation, culture and religion	28,290	27,040	29,850	28,934	27,954	27,996	29,632	29,303
Education	342,370	355,097	375,383	375,331	387,527	389,331	398,587	400,907
Social protection	20,524	22,802	24,014	21,579	23,591	23,971	24,476	23,366
General government final consumption expenditure	1,255,683	1,302,439	1,395,850	1,417,379	1,457,177	1,493,836	1,527,369	1,529,089
By type of services								
Collective consumption expenditure	693,937	731,766	778,452	804,280	817,333	850,271	865,223	860,575
Individual consumption expenditure	559,721	570,027	615,863	613,814	638,952	644,962	662,727	667,914
General government final consumption expenditure	1,255,683	1,302,439	1,395,850	1,417,379	1,457,177	1,493,836	1,527,369	1,529,089

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 43.1 Composition of general government final consumption expenditure chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
By type of expenditure								
Compensation of employees	138.9	143.9	150.7	151.7	156.7	158.2	159.6	160.5
Consumption of fixed capital	127.7	133.3	143.2	147.7	146.5	148.3	150.2	152.7
Purchases from enterprises and abroad	209.5	223.2	241.6	263.4	274.7	306.2	322.2	322.0
Less: Purchases by households and enterprises	294.1	309.9	304.3	388.0	403.6	506.9	553.9	587.9
Social transfers in kind - purchased market production	569.3	559.9	631.5	605.4	611.6	603.2	640.7	640.1
General government final consumption expenditure	165.2	171.4	183.7	186.5	191.7	196.6	201.0	201.2
By classification of the functions of government (COFOG)								
General public services	148.8	157.9	177.0	189.6	196.4	209.1	209.6	204.1
Defence	120.8	134.8	135.3	138.0	150.6	161.4	169.0	166.3
Public order and safety	175.6	177.4	186.8	182.3	184.5	189.6	192.3	189.2
Economic affairs	159.5	159.6	164.6	169.3	164.8	165.6	162.0	164.4
Environmental protection	326.1	339.2	365.3	352.6	354.0	381.2	413.0	407.2
Housing and community amenities	167.8	195.6	225.6	250.2	228.0	230.9	243.3	243.9
Health	223.3	224.8	254.7	256.9	272.9	277.4	290.7	300.3
Recreation, culture and religion	173.0	165.3	182.5	176.9	170.9	171.2	181.2	179.1
Education	157.7	163.6	172.9	172.9	178.5	179.3	183.6	184.7
Social protection	342.6	380.6	400.8	360.2	393.8	400.1	408.5	390.0
General government final consumption expenditure	165.2	171.4	183.7	186.5	191.7	196.6	201.0	201.2
By type of services								
Collective consumption expenditure	158.9	167.5	178.2	184.1	187.1	194.6	198.1	197.0
Individual consumption expenditure	173.2	176.4	190.6	189.9	197.7	199.6	205.1	206.7
General government final consumption expenditure	165.2	171.4	183.7	186.5	191.7	196.6	201.0	201.2

Table 43.2 Growth rate of composition of general government final consumption expenditure chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p	Percent
By type of expenditure									
Compensation of employees	5.0	3.6	4.7	0.7	3.3	1.0	0.8	0.6	
Consumption of fixed capital	3.9	4.4	7.4	3.1	-0.8	1.3	1.2	1.7	
Purchases from enterprises and abroad	11.3	6.5	8.2	9.0	4.3	11.5	5.2	-0.1	
Less: Purchases by households and enterprises	-0.3	5.4	-1.8	27.5	4.0	25.6	9.3	6.1	
Social transfers in kind - purchased market production	25.2	-1.6	12.8	-4.1	1.0	-1.4	6.2	-0.1	
General government final consumption expenditure	8.9	3.7	7.2	1.5	2.8	2.5	2.2	0.1	
By classification of the functions of government (COFOG)									
General public services	3.6	6.1	12.1	7.1	3.6	6.4	0.2	-2.6	
Defence	7.5	11.6	0.3	2.1	9.1	7.2	4.7	-1.6	
Public order and safety	8.4	1.0	5.3	-2.4	1.2	2.8	1.5	-1.7	
Economic affairs	9.1	0.1	3.1	2.9	-2.7	0.5	-2.2	1.5	
Environmental protection	28.0	4.0	7.7	-3.5	0.4	7.7	8.4	-1.4	
Housing and community amenities	-9.4	16.6	15.4	10.9	-8.9	1.3	5.4	0.2	
Health	12.6	0.7	13.3	0.9	6.2	1.7	4.8	3.3	
Recreation, culture and religion	1.6	-4.4	10.4	-3.1	-3.4	0.2	5.8	-1.1	
Education	12.1	3.7	5.7	0.0	3.2	0.5	2.4	0.6	
Social protection	3.8	11.1	5.3	-10.1	9.3	1.6	2.1	-4.5	
General government final consumption expenditure	8.9	3.7	7.2	1.5	2.8	2.5	2.2	0.1	
By type of services									
Collective consumption expenditure	7.9	5.5	6.4	3.3	1.6	4.0	1.8	-0.5	
Individual consumption expenditure	10.1	1.8	8.0	-0.3	4.1	0.9	2.8	0.8	
General government final consumption expenditure	8.9	3.7	7.2	1.5	2.8	2.5	2.2	0.1	

**Table 44 Gross capital formation
at current market prices**

(Millions of Baht)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	896,772	916,456	1,036,338	1,052,167	1,038,061	1,159,732	1,223,201	1,212,174
<i>Private</i>	409,351	469,477	523,806	555,072	543,891	529,357	524,010	526,729
<i>Public</i>	487,421	446,979	512,532	497,095	494,170	630,375	699,191	685,445
Equipment	1,696,395	2,004,837	2,299,359	2,226,159	2,224,717	2,211,337	2,234,411	2,368,711
<i>Private</i>	1,522,802	1,807,446	2,083,755	1,986,164	2,028,293	1,976,806	2,004,671	2,128,386
<i>Public</i>	173,593	197,391	215,604	239,995	196,424	234,531	229,740	240,325
Gross fixed capital formation	2,593,167	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,457,612	3,580,885
<i>Private</i>	1,932,152	2,276,923	2,607,561	2,541,236	2,572,184	2,506,163	2,528,681	2,655,115
<i>Public</i>	661,015	644,370	728,136	737,090	690,594	864,906	928,931	925,770
Change in inventories	147,418	107,991	127,344	267,804	-98,217	-298,624	-409,858	-52,270
Gross capital formation	2,740,586	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,047,754	3,528,615

**Table 45 Gross capital formation
chain volume measures (reference year = 2002)**

(Millions of Baht)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	674,138	642,821	691,834	691,867	677,748	784,133	847,193	829,382
<i>Private</i>	311,650	332,572	358,418	372,965	360,653	361,713	365,590	362,390
<i>Public</i>	360,463	309,332	332,440	318,683	316,664	420,053	478,421	463,963
Equipment	1,324,199	1,455,284	1,632,021	1,608,039	1,571,194	1,556,729	1,558,879	1,620,373
<i>Private</i>	1,192,821	1,314,883	1,483,403	1,440,338	1,436,149	1,397,005	1,402,886	1,457,672
<i>Public</i>	132,078	141,285	149,752	168,301	136,581	160,781	157,170	163,912
Gross fixed capital formation	2,003,971	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,035	2,461,691
<i>Private</i>	1,504,188	1,646,895	1,840,836	1,813,138	1,795,944	1,758,459	1,768,279	1,819,816
<i>Public</i>	495,033	452,317	484,060	487,714	455,702	585,133	640,828	633,050
Change in inventories	107,396	68,204	81,946	174,693	-63,572	-111,915	-339,432	-89,300
Gross capital formation	2,140,248	2,196,846	2,439,871	2,517,647	2,206,865	2,253,901	2,170,085	2,413,147

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 45.1 Gross capital formation
chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	142.1	135.5	145.9	145.9	142.9	165.3	178.6	174.9
Private	156.8	167.3	180.3	187.6	181.4	182.0	183.9	182.3
Public	130.8	112.3	120.7	115.7	114.9	152.5	173.7	168.4
Equipment	167.6	184.2	206.6	203.6	198.9	197.1	197.3	205.1
Private	176.7	194.7	219.7	213.3	212.7	206.9	207.8	215.9
Public	115.1	123.1	130.5	146.7	119.0	140.1	137.0	142.9
Gross fixed capital formation	158.5	166.2	184.1	182.2	178.2	186.0	191.3	194.7
Private	172.1	188.4	210.6	207.5	205.5	201.2	202.3	208.2
Public	126.9	115.9	124.0	125.0	116.8	149.9	164.2	162.2
Change in inventories								
Gross capital formation	163.1	167.4	185.9	191.9	168.2	171.8	165.4	183.9

Table 45.2 Growth rate of gross capital formation
chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
	Percent							
Construction	9.5	-4.6	7.6	0.0	-2.0	15.7	8.0	-2.1
Private	14.1	6.7	7.8	4.1	-3.3	0.3	1.1	-0.9
Public	5.9	-14.2	7.5	-4.1	-0.6	32.6	13.9	-3.0
Equipment	12.8	9.9	12.1	-1.5	-2.3	-0.9	0.1	3.9
Private	17.4	10.2	12.8	-2.9	-0.3	-2.7	0.4	3.9
Public	-16.3	7.0	6.0	12.4	-18.8	17.7	-2.2	4.3
Gross fixed capital formation	11.6	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8
Private	16.7	9.5	11.8	-1.5	-0.9	-2.1	0.6	2.9
Public	-0.8	-8.6	7.0	0.8	-6.6	28.4	9.5	-1.2
Change in inventories								
Gross capital formation	32.0	2.6	11.1	3.2	-12.3	2.1	-3.7	11.2

**Table 46 Gross fixed capital formation by type of capital goods
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	896,772	916,456	1,036,338	1,052,167	1,038,061	1,159,732	1,223,200	1,212,174
Private	409,351	469,477	523,806	555,072	543,891	529,357	524,010	526,729
Dwellings	223,833	251,738	283,386	306,479	306,604	295,710	293,168	297,375
Non-dwelling construction	129,296	149,953	169,580	173,431	161,304	158,754	147,773	150,369
Other construction	44,081	54,426	56,096	56,850	58,478	57,532	65,225	61,007
Costs of ownership transfer	12,141	13,360	14,744	18,312	17,505	17,361	17,844	17,978
Public	487,421	446,979	512,532	497,095	494,170	630,375	699,190	685,445
Dwellings	44,023	43,443	40,705	22,784	22,108	18,863	18,080	15,398
Non-dwelling construction	77,640	75,250	90,723	104,906	100,818	149,717	129,550	133,456
Other construction	365,758	328,286	381,104	369,405	371,245	461,795	551,560	536,592
Machinery and other equipment	1,696,395	2,004,837	2,299,359	2,226,159	2,224,717	2,211,337	2,234,411	2,368,711
Transport equipment	636,991	874,872	1,045,955	1,037,788	919,411	881,045	837,349	937,063
Road motor equipment	550,099	639,317	829,384	808,844	771,639	757,285	731,921	799,688
Other vehicles	86,892	235,555	216,571	228,944	147,772	123,760	105,428	137,376
Machinery and equipment	1,059,404	1,129,965	1,253,404	1,188,371	1,305,306	1,330,291	1,397,062	1,431,647
Industrial machinery	636,389	668,910	782,207	719,089	739,746	707,781	756,259	758,112
Office equipment	423,015	461,055	471,197	469,282	565,560	622,510	640,803	673,535
Gross fixed capital formation	2,593,167	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,457,611	3,580,885

**Table 47 Gross fixed capital formation by type of capital goods
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	674,138	642,821	691,833	691,866	677,748	784,133	847,194	829,383
Private	311,650	332,572	358,419	372,966	360,655	361,715	365,591	362,391
Dwellings	170,687	176,206	192,740	203,295	200,327	198,656	203,129	203,347
Non-dwelling construction	97,302	106,949	114,905	116,299	106,616	108,128	103,664	104,006
Other construction	32,271	37,177	37,718	38,061	39,022	40,091	43,317	39,831
Costs of ownership transfer	10,320	10,934	11,685	14,201	13,547	13,753	14,497	14,384
Public	360,463	309,332	332,439	318,682	316,663	420,051	478,419	463,961
Dwellings	33,571	30,410	27,189	15,175	14,685	12,456	12,478	10,585
Non-dwelling construction	58,430	52,952	60,617	69,171	65,448	96,234	87,212	89,577
Other construction	267,779	225,524	244,139	233,873	235,920	310,447	378,747	363,710
Machinery and other equipment	1,324,199	1,455,284	1,632,023	1,608,042	1,571,197	1,556,732	1,558,881	1,620,375
Transport equipment	536,801	687,992	789,617	791,503	720,035	718,438	666,776	754,925
Road motor equipment	450,703	504,408	638,125	639,905	594,293	597,226	565,417	630,577
Other vehicles	80,300	185,523	153,821	153,953	129,709	124,576	101,403	126,747
Machinery and equipment	787,330	778,798	857,542	832,717	862,636	850,448	892,902	878,485
Industrial machinery	462,616	457,648	531,056	505,356	498,534	488,658	498,944	476,969
Office equipment	323,938	320,380	325,213	326,296	362,733	360,303	390,116	396,661
Gross fixed capital formation	2,003,971	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,035	2,461,691

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

Table 47.1 Gross fixed capital formation by type of capital goods
chain indices (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Construction	142.1	135.5	145.9	145.9	142.9	165.3	178.6	174.9
Private	156.8	167.3	180.3	187.6	181.4	182.0	183.9	182.3
Dwellings	164.0	169.3	185.2	195.4	192.5	190.9	195.2	195.4
Non-dwelling construction	151.6	166.6	179.0	181.1	166.1	168.4	161.5	162.0
Other construction	142.0	163.5	165.9	167.4	171.7	176.4	190.5	175.2
Costs of ownership transfer	132.9	140.8	150.5	182.9	174.4	177.1	186.7	185.2
Public	130.8	112.3	120.7	115.7	114.9	152.5	173.7	168.4
Dwellings	415.5	376.4	336.5	187.8	181.7	154.2	154.4	131.0
Non-dwelling construction	159.0	144.1	165.0	188.2	178.1	261.9	237.3	243.8
Other construction	116.1	97.8	105.8	101.4	102.3	134.6	164.2	157.7
Machinery and other equipment	167.6	184.2	206.6	203.6	198.9	197.1	197.3	205.1
Transport equipment	237.1	303.9	348.8	349.6	318.0	317.3	294.5	333.5
Road motor equipment	254.0	284.3	359.6	360.6	334.9	336.6	318.7	355.4
Other vehicles	164.0	378.9	314.2	314.4	264.9	254.4	207.1	258.9
Machinery and equipment	139.7	138.2	152.2	147.8	153.1	150.9	158.4	155.9
Industrial machinery	142.8	141.2	163.9	155.9	153.8	150.8	154.0	147.2
Office equipment	135.3	133.8	135.8	136.3	151.5	150.5	162.9	165.6
Gross fixed capital formation	158.5	166.2	184.1	182.2	178.2	186.0	191.3	194.7

Table 47.2 Growth rate of gross fixed capital formation by type of capital goods
chain volume measures (reference year = 2002)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
	Percent							
Construction	9.5	-4.6	7.6	0.0	-2.0	15.7	8.0	-2.1
Private	14.1	6.7	7.8	4.1	-3.3	0.3	1.1	-0.9
Dwellings	8.9	3.2	9.4	5.5	-1.5	-0.8	2.3	0.1
Non-dwelling construction	15.4	9.9	7.4	1.2	-8.3	1.4	-4.1	0.3
Other construction	44.0	15.2	1.5	0.9	2.5	2.7	8.0	-8.0
Costs of ownership transfer	15.3	5.9	6.9	21.5	-4.6	1.5	5.4	-0.8
Public	5.9	-14.2	7.5	-4.1	-0.6	32.6	13.9	-3.0
Dwellings	39.1	-9.4	-10.6	-44.2	-3.2	-15.2	0.2	-15.2
Non-dwelling construction	15.0	-9.4	14.5	14.1	-5.4	47.0	-9.4	2.7
Other construction	1.4	-15.8	8.3	-4.2	0.9	31.6	22.0	-4.0
Machinery and other equipment	12.8	9.9	12.1	-1.5	-2.3	-0.9	0.1	3.9
Transport equipment	33.7	28.2	14.8	0.2	-9.0	-0.2	-7.2	13.2
Road motor equipment	37.7	11.9	26.5	0.3	-7.1	0.5	-5.3	11.5
Other vehicles	13.6	131.0	-17.1	0.1	-15.7	-4.0	-18.6	25.0
Machinery and equipment	2.6	-1.1	10.1	-2.9	3.6	-1.4	5.0	-1.6
Industrial machinery	0.9	-1.1	16.0	-4.8	-1.3	-2.0	2.1	-4.4
Office equipment	5.2	-1.1	1.5	0.3	11.2	-0.7	8.3	1.7
Gross fixed capital formation	11.6	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8

**Table 48 Gross fixed capital formation by type of assets
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Tangible fixed assets	2,532,035	2,850,791	3,252,695	3,182,925	3,162,777	3,270,124	3,333,073	3,442,619
<i>Dwellings</i>	267,856	295,181	324,091	329,263	328,712	314,573	311,248	312,773
<i>Other buildings and structures</i>	596,967	579,227	663,573	668,291	654,660	800,134	819,525	811,055
<i>Machinery and equipment</i>	1,664,109	1,973,897	2,262,102	2,180,542	2,174,941	2,150,867	2,196,026	2,311,166
<i>Cultivated assets</i>	3,103	2,486	2,929	4,829	4,465	4,550	6,275	7,625
Intangible fixed assets	48,992	57,142	68,258	77,089	82,497	83,585	106,694	120,288
<i>Mineral exploration</i>	18,187	27,724	32,875	35,151	35,985	34,108	63,234	68,805
<i>Computer software</i>	30,805	29,418	35,383	41,938	46,512	49,477	43,460	51,482
Costs of ownership transfer	12,140	13,360	14,744	18,312	17,505	17,361	17,844	17,978
Gross fixed capital formation	2,593,167	2,921,293	3,335,697	3,278,326	3,262,779	3,371,069	3,457,611	3,580,884

**Table 49 Gross fixed capital formation by type of assets
chain volume measures (reference year = 2002)**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Tangible fixed assets	1,955,311	2,047,632	2,265,181	2,232,179	2,175,996	2,272,657	2,325,915	2,363,762
<i>Dwellings</i>	204,255	206,614	219,928	218,253	214,799	210,935	215,422	213,741
<i>Other buildings and structures</i>	441,339	401,771	432,953	463,032	455,846	609,222	628,914	618,357
<i>Machinery and equipment</i>	1,298,575	1,431,950	1,602,684	1,532,241	1,485,895	1,434,959	1,463,419	1,509,592
<i>Cultivated assets</i>	2,520	1,757	4,267	16,513	21,385	24,711	32,424	38,280
Intangible fixed assets	38,798	43,546	50,830	58,632	65,078	66,416	81,313	87,660
<i>Mineral exploration</i>	15,232	22,318	26,044	28,365	28,683	27,669	50,015	50,604
<i>Computer software</i>	24,096	22,168	25,883	31,404	37,455	39,845	32,759	38,475
Costs of ownership transfer	10,321	10,936	11,687	14,203	13,550	13,756	14,500	14,387
Gross fixed capital formation	2,003,971	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,035	2,461,691

Note : Chain volume series are not additive. The sum of the components will thus not be equal to the shown totals.

**Table 49.1 Gross fixed capital formation by type of assets
chain indices (reference year = 2002)**

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Tangible fixed assets	156.7	164.1	181.5	178.8	174.3	182.1	186.4	189.4
<i>Dwellings</i>	182.1	184.2	196.1	194.6	191.5	188.1	192.1	190.6
<i>Other buildings and structures</i>	125.8	114.5	123.4	132.0	130.0	173.7	179.3	176.3
<i>Machinery and equipment</i>	166.7	183.8	205.8	196.7	190.8	184.2	187.9	193.8
<i>Cultivated assets</i>	40.0	27.9	67.8	262.3	339.7	392.5	515.0	608.0
Intangible fixed assets	464.1	521.0	608.1	701.4	778.5	794.5	972.8	1,048.7
<i>Mineral exploration</i>	1,830.8	2,682.5	3,130.3	3,409.2	3,447.5	3,325.6	6,011.4	6,082.2
<i>Computer software</i>	320.1	294.5	343.9	417.2	497.6	529.4	435.2	511.2
Costs of ownership transfer	132.9	140.8	150.5	182.9	174.5	177.1	186.7	185.3
Gross fixed capital formation	158.5	166.2	184.1	182.2	178.2	186.0	191.3	194.7

**Table 49.2 Growth rate of gross fixed capital formation by type of assets
chain volume measures (reference year = 2002)**

	Percent							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Tangible fixed assets	11.2	4.7	10.6	-1.5	-2.5	4.4	2.3	1.6
<i>Dwellings</i>	12.9	1.2	6.4	-0.8	-1.6	-1.8	2.1	-0.8
<i>Other buildings and structures</i>	5.6	-9.0	7.8	6.9	-1.6	33.6	3.2	-1.7
<i>Machinery and equipment</i>	13.1	10.3	11.9	-4.4	-3.0	-3.4	2.0	3.2
<i>Cultivated assets</i>	-6.2	-30.3	142.9	286.9	29.5	15.6	31.2	18.1
Intangible fixed assets	38.9	12.2	16.7	15.3	11.0	2.1	22.4	7.8
<i>Mineral exploration</i>	271.3	46.5	16.7	8.9	1.1	-3.5	80.8	1.2
<i>Computer software</i>	1.0	-8.0	16.8	21.3	19.3	6.4	-17.8	17.4
Costs of ownership transfer	15.3	6.0	6.9	21.5	-4.6	1.5	5.4	-0.8
Gross fixed capital formation	11.6	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8

National income

**Table 50 Distribution of the national income
at current market prices**

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Compensation of employees	3,231,751	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,717,282	4,843,384
Wages and salaries	2,860,934	3,033,299	3,393,830	3,600,119	3,839,449	4,026,068	4,145,930	4,242,549
Employers' social contributions	370,817	397,645	418,669	441,788	484,091	528,101	571,352	600,835
<i>Employers' actual social contributions</i>	112,828	120,355	118,036	136,318	158,414	169,913	178,024	182,053
<i>Employers' imputed social contributions</i>	257,989	277,290	300,633	305,470	325,677	358,188	393,328	418,782
Households mixed income and operating surplus	2,619,903	2,812,244	2,833,321	2,664,142	2,629,118	2,537,406	2,782,756	3,011,056
Households property income receivable	663,204	700,534	865,923	986,605	1,021,446	1,078,519	1,048,086	1,032,959
Interest	173,690	221,526	280,637	305,576	291,901	272,683	251,229	236,221
Distributed income of corporations	310,151	295,939	376,825	456,116	491,415	561,601	541,101	530,120
Investment income disbursements	107,655	109,496	126,718	139,943	155,102	163,185	173,731	184,779
Rent	71,709	73,573	81,743	84,969	83,028	81,050	82,025	81,839
General government property income receivable	136,823	165,526	178,784	194,127	209,437	223,094	229,450	237,050
Interest	29,649	31,692	39,719	43,696	43,113	45,883	44,742	44,254
Distributed income of corporations	71,524	90,254	86,628	104,330	119,288	130,004	121,240	130,203
Investment income disbursements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	11,693	15,320	20,305	11,364	9,303	7,240	20,062	17,384
Appropriated corporation profit	1,353,383	1,485,368	1,339,442	1,299,455	1,425,254	1,451,598	1,728,578	2,074,573
Savings of corporations	954,718	1,082,153	966,241	805,328	930,338	927,312	1,244,876	1,483,025
Corporate current taxes on income	525,261	652,921	660,416	704,087	662,078	653,868	644,309	730,961
Corporate transfer payments	-126,596	-249,706	-287,215	-209,961	-167,162	-129,582	-160,607	-139,413
<i>Received by general government</i>	7,146	13,720	17,116	14,452	21,332	29,730	3,628	22,459
<i>Received by households and NPISHs</i>	17,736	18,377	21,738	24,197	21,659	24,563	23,323	23,475
<i>Received by Row (net)</i>	-151,478	-281,803	-326,069	-248,610	-210,153	-183,875	-187,558	-185,347
Households property income payable	202,751	246,497	302,510	344,536	351,154	361,283	365,623	373,199
Interest	107,085	144,664	188,635	224,830	230,393	240,266	240,193	246,151
Investment income disbursements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	71,709	73,573	81,743	84,969	83,028	81,050	82,025	81,839
General government property income payable	149,192	159,585	179,026	176,429	192,353	197,487	210,720	211,629
Interest	125,231	131,321	146,890	141,688	154,616	157,516	167,310	166,416
Investment income disbursements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	4	4	4	4	4	4	4	4
Taxes on production and imports less subsidies	1,111,475	1,107,138	1,284,555	1,339,877	1,270,121	1,403,640	1,451,010	1,525,180
Net National Income (NNI)	8,764,596	9,295,671	9,832,988	10,005,146	10,335,410	10,689,656	11,380,818	12,139,374
Consumption of fixed capital	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,622,751
Gross National Income (GNI)	10,355,372	11,034,197	11,791,146	12,089,671	12,549,606	13,034,490	13,869,204	14,762,125
Primary income from the rest of the world, net	-452,770	-272,710	-566,198	-825,488	-680,697	-708,973	-685,365	-689,834
Gross Domestic Product (GDP)	10,808,142	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,554,569	15,451,959

Table 51 Savings and gross capital formation

(Millions of Baht)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Private sector	1,932,153	2,276,923	2,607,561	2,541,236	2,572,184	2,506,163	2,528,681	2,655,115
Public sector	661,015	644,370	728,136	737,090	690,594	864,906	928,931	925,770
Change in inventories	147,418	107,991	127,344	267,804	-98,217	-298,624	-409,858	-52,270
Gross domestic capital formation	2,740,586	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,047,754	3,528,615
Net savings	1,610,621	1,817,762	1,655,184	1,470,908	1,447,439	1,553,834	1,905,471	2,335,400
Private sector	1,354,897	1,586,969	1,437,452	1,290,799	1,516,130	1,484,869	1,845,944	2,195,376
Households	588,365	622,527	621,664	600,872	675,003	682,889	809,279	927,913
Corporations and cooperatives	766,532	964,442	815,788	689,927	841,127	801,980	1,036,665	1,267,463
Public sector	255,724	230,793	217,732	180,109	-68,691	68,965	59,527	140,024
General government	67,538	113,082	67,279	64,708	-157,902	-56,367	-148,684	-75,538
Public corporations and government enterprises	188,186	117,711	150,453	115,401	89,211	125,332	208,211	215,562
Provision for consumption of fixed capital	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,622,751
Statistical discrepancy	-102,142	-234,214	-201,953	-143,926	523	276,907	356,998	272,938
Gross savings	3,099,255	3,322,074	3,411,389	3,411,507	3,662,158	4,175,575	4,750,855	5,231,089
Less : Surplus of the nation on current account	358,669	292,790	-51,652	-134,623	497,597	1,103,130	1,703,101	1,702,474
Finance of gross domestic capital formation	2,740,586	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,047,754	3,528,615

Table 52 General government income account

(Millions of Baht)

	2010	2011	2012	2013	2014	2015r	2016r	2017p
Income								
Primary income receivable	1,511,467	1,595,731	1,795,800	1,882,825	1,850,760	1,957,690	2,023,905	2,110,466
Gross operation surplus	193,277	209,493	232,355	245,156	249,348	261,017	273,413	286,107
Taxes on production and imports	1,181,367	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,042	1,587,309
Property income	136,823	165,526	178,784	194,127	209,437	223,094	229,450	237,050
Interest	29,649	31,692	39,719	43,696	43,113	45,883	44,742	44,254
Dividend	71,524	90,254	86,628	104,330	119,288	130,004	121,240	130,203
Investment income payable on pension entitlements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	11,693	15,320	20,305	11,364	9,303	7,240	20,062	17,384
Secondary income receivable	1,705,229	1,836,149	2,133,294	2,115,686	2,042,535	2,201,157	2,289,264	2,435,096
Current taxes on income, wealth, etc.	727,713	886,235	925,098	988,890	915,579	944,041	945,045	1,022,633
Taxes on income	701,328	857,903	892,434	959,843	881,447	906,322	908,726	979,422
Other current taxes	26,385	28,332	32,664	29,047	34,132	37,719	36,319	43,211
Social contributions	317,727	340,494	356,245	378,522	427,890	460,340	511,319	540,037
Other current transfers	659,789	609,420	851,951	748,274	699,066	796,776	832,900	872,426
Non-life insurance claims	2	8	21	1	2	1	1	1
Current transfers within general government	589,381	580,745	814,877	712,042	656,299	734,081	783,343	823,192
Current international cooperation	2,818	3,592	5,214	3,120	3,497	2,190	3,009	2,455
Miscellaneous current transfers	67,588	25,075	31,839	33,111	39,268	60,504	46,547	46,778
Total income receivable	3,216,696	3,431,880	3,929,094	3,998,511	3,893,295	4,158,847	4,313,169	4,545,562
Use of income								
Primary income uses	219,084	273,159	279,132	280,094	314,207	267,426	280,752	273,758
Property income	149,192	159,585	179,026	176,429	192,353	197,487	210,720	211,629
Interest	125,231	131,321	146,890	141,688	154,616	157,516	167,310	166,416
Investment income payable on pension entitlements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	4	4	4	4	4	4	4	4
Subsidies	69,892	113,574	100,106	103,665	121,854	69,939	70,032	62,129
Secondary income uses	943,137	916,137	1,222,164	1,166,124	1,118,434	1,198,886	1,307,628	1,386,900
Social benefits other than social transfers in kind	293,530	275,045	326,151	330,096	346,702	376,524	422,833	455,830
Social security benefits in cash	20,860	22,352	26,986	29,400	30,159	31,332	36,393	37,867
Other social insurance benefits	186,434	197,138	215,128	207,476	227,205	252,364	294,983	313,810
Social assistance benefits in cash	86,236	55,555	84,037	93,220	89,338	92,828	91,457	104,153
Other current transfers	649,607	641,092	896,013	836,028	771,732	822,362	884,795	931,070
Net non-life insurance premiums	576	540	480	380	444	194	207	277
Current transfers within general government	589,381	580,745	814,877	712,042	656,299	734,081	783,343	823,192
Current international cooperation	1,631	1,553	1,334	1,375	1,819	1,602	2,595	2,059
Miscellaneous current transfers	58,019	58,254	79,322	122,231	113,170	86,485	98,650	105,542
Total income payable	1,162,221	1,189,296	1,501,296	1,446,218	1,432,641	1,466,312	1,588,380	1,660,658
Gross disposable income	2,054,475	2,242,584	2,427,798	2,552,293	2,460,654	2,692,535	2,724,789	2,884,904
Final consumption expenditure	1,707,777	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,464,910	2,529,944
Adjustment for the change in pension entitlement	85,883	94,873	107,370	129,060	131,124	134,843	135,150	144,391
Net saving	67,538	113,082	67,279	64,708	-157,902	-56,367	-148,684	-75,538
Consumption of fixed capital	193,277	209,493	232,355	245,156	249,348	261,017	273,413	286,107
Total use of gross income	3,216,696	3,431,880	3,929,094	3,998,511	3,893,295	4,158,847	4,313,169	4,545,562

Note : - is zero or rounded to zero

n.a. is not available

Table 53 Households and NPISHs income account

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Income								
Primary income receivable	6,514,858	6,943,722	7,511,743	7,692,653	7,974,104	8,170,094	8,548,124	8,887,398
<i>Compensation of employees</i>	3,231,751	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,717,282	4,843,384
<i>Mixed income</i>	2,619,903	2,812,244	2,833,321	2,664,142	2,629,118	2,537,406	2,782,756	3,011,056
<i>Property income receivable</i>	663,204	700,534	865,923	986,605	1,021,446	1,078,519	1,048,086	1,032,959
Secondary income receivable	463,477	455,138	539,509	612,239	623,930	609,334	659,379	732,611
Social benefits other than social transfers in kind ^{1/}	293,530	275,045	326,151	330,096	346,702	376,524	422,833	455,830
Other current transfers	169,947	180,093	213,358	282,143	277,228	232,810	236,546	276,781
<i>from corporate</i>	17,736	18,377	21,738	24,197	21,659	24,563	23,323	23,475
<i>from general government</i>	52,356	54,093	74,899	112,035	105,648	76,012	70,665	95,229
<i>from the rest of the world</i>	99,855	107,623	116,721	145,911	149,921	132,235	142,559	158,077
Total income receivable	6,978,335	7,398,859	8,051,252	8,304,893	8,598,035	8,779,428	9,207,503	9,620,009
Use of income								
Primary income payable	202,751	246,497	302,510	344,536	351,154	361,283	365,623	373,199
Property income payable	202,751	246,497	302,510	344,536	351,154	361,283	365,623	373,199
Secondary income payable	633,890	636,464	690,387	741,668	769,560	858,230	916,738	933,921
Current taxes on income, wealth, etc.	202,452	233,314	264,682	284,803	253,501	290,173	300,736	291,672
Net social security contribution ^{1/}	317,727	340,494	356,245	378,522	427,890	460,340	511,319	540,037
Other current transfers	113,711	62,656	69,460	78,343	88,169	107,717	104,683	102,212
<i>to general government</i>	54,205	6,662	9,841	8,084	9,972	20,108	14,728	13,730
<i>to the rest of the world</i>	59,506	55,994	59,619	70,259	78,197	87,609	89,955	88,482
Total income payable	836,641	882,961	992,897	1,086,204	1,120,714	1,219,513	1,282,361	1,307,119
Disposable income	6,141,694	6,515,898	7,058,354	7,218,689	7,477,321	7,559,915	7,925,142	8,312,890
Final consumption expenditure	5,639,212	5,988,244	6,544,061	6,746,876	6,933,442	7,011,869	7,251,013	7,529,368
Adjustment for the change in pension entitlement ^{1/}	85,883	94,873	107,370	129,060	131,124	134,843	135,150	144,391
Saving	588,365	622,527	621,663	600,873	675,003	682,889	809,279	927,913
Total use of disposable income	6,141,694	6,515,898	7,058,354	7,218,689	7,477,321	7,559,915	7,925,142	8,312,890
Per capita disposable income (Baht)	93,167	98,407	106,153	108,137	111,597	112,439	117,488	122,874
Per capita final consumption expenditure (Baht)	85,545	90,438	98,419	101,069	103,480	104,287	107,494	111,292
Per capita saving (Baht)	8,925	9,402	9,349	9,001	10,074	10,157	11,997	13,716
Population (1,000 Heads)	65,921	66,214	66,492	66,755	67,003	67,236	67,455	67,654

Note : ^{1/} Governmental funds consist of social security fund (welfare and senility plan), private teacher aid fund,

Bangkok Metropolitan Administration pension fund and local administration pension fund.

Table 54 Compensation of employees

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Domestic	3,227,942	3,411,393	3,783,696	4,016,251	4,300,943	4,533,734	4,695,255	4,834,121
Agriculture	146,300	186,587	212,101	214,783	203,083	187,482	189,084	195,598
Agriculture, forestry and fishing	146,300	186,587	212,101	214,783	203,083	187,482	189,084	195,598
Non-Agriculture	3,081,642	3,224,806	3,571,595	3,801,468	4,097,860	4,346,252	4,506,171	4,638,523
Industrial	993,452	986,815	1,100,513	1,162,734	1,273,831	1,358,017	1,387,339	1,404,539
Mining and quarrying	19,293	21,053	25,513	30,216	31,201	29,613	28,537	29,318
Manufacturing	887,526	878,969	985,451	1,039,349	1,148,327	1,221,541	1,249,864	1,264,270
Electricity, gas, steam and air conditioning supply	79,181	79,293	81,010	83,838	84,461	96,199	98,170	99,299
Water supply; sewerage, waste management and remediation activities	7,452	7,500	8,539	9,331	9,842	10,664	10,768	11,652
Services	2,088,190	2,237,991	2,471,082	2,638,734	2,824,029	2,988,235	3,118,832	3,233,984
Construction	174,245	169,237	185,182	195,416	192,060	197,968	204,283	200,630
Wholesale and retail trade; repair of motor vehicles and motorcycles	282,739	299,435	335,914	367,277	407,810	426,209	449,586	473,451
Transportation and storage	124,141	127,156	137,314	145,957	151,707	164,155	170,985	176,023
Accommodation and food service activities	70,874	81,333	90,105	103,605	117,385	133,351	146,853	165,564
Information and communication	50,989	59,040	64,430	69,178	67,332	72,531	73,087	73,602
Financial and insurance activities	201,590	225,224	249,767	270,241	290,552	308,564	320,598	326,587
Real estate activities	38,533	40,476	43,785	46,365	47,849	50,086	50,823	52,948
Professional, scientific and technical activities	54,845	59,057	67,219	69,195	71,510	74,324	74,701	76,498
Administrative and support service activities	47,804	53,429	56,409	54,548	56,288	58,244	59,560	61,236
Public administration and defence; compulsory social security	476,507	502,811	534,908	557,649	596,040	626,484	654,304	679,223
Education	374,581	414,416	470,517	496,414	533,896	561,078	578,387	595,158
Human health and social work activities	141,129	152,339	175,645	198,722	223,961	242,562	259,578	274,586
Arts, entertainment and recreation	6,272	6,874	8,511	9,832	10,290	11,224	11,762	12,474
Other service activities	26,035	26,661	28,753	31,038	32,575	33,646	36,222	37,962
Activities of households as employers	17,906	20,503	22,623	23,297	24,774	27,809	28,103	28,042
The rest of the world	3,809	19,551	28,803	25,656	22,597	20,435	22,027	9,263
Total	3,231,751	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,717,282	4,843,384

Table 55 Households and NPISHs mixed income receivable

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Farm income	740,760	824,338	871,557	893,192	817,123	738,530	749,463	778,730
Other	1,879,143	1,987,906	1,961,764	1,770,950	1,811,995	1,798,876	2,033,293	2,232,326
Total	2,619,903	2,812,244	2,833,321	2,664,142	2,629,118	2,537,406	2,782,756	3,011,056

Table 56 Households and NPISHs property income receivable

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Rent	71,709	73,573	81,743	84,969	83,028	81,050	82,025	81,839
Actual rent	15,193	14,834	16,312	16,808	16,271	15,880	16,068	16,028
Imputed rent	56,516	58,739	65,431	68,161	66,757	65,170	65,957	65,811
Interest	173,690	221,526	280,637	305,576	291,901	272,683	251,229	236,221
Interest paid by banks to households and NPISHs	139,300	187,215	240,052	273,909	262,294	249,610	223,207	212,351
Government bond interest	31,972	30,383	27,848	19,023	18,547	12,592	13,095	7,456
Others	4,529	6,925	17,156	17,769	16,174	15,325	18,971	20,242
Net interest received from ROW	-2,111	-2,997	-4,418	-5,125	-5,115	-4,844	-4,045	-3,828
Distributed income of corporations	310,151	295,939	376,825	456,116	491,415	561,601	541,101	530,120
Dividends from private corporations	262,893	244,032	319,130	393,692	425,618	491,033	461,583	441,836
Dividends from cooperatives	38,986	42,402	47,863	52,938	58,197	62,725	69,151	75,487
Dividends from public corporations	8,272	9,505	9,832	9,486	7,600	7,844	10,367	12,797
Investment income disbursements	107,655	109,496	126,718	139,943	155,102	163,185	173,731	184,779
Beneficiaries from provident fund	26,150	16,446	19,906	21,442	21,884	21,344	19,189	18,537
Beneficiaries from government pension fund	15,642	16,695	18,570	19,284	21,145	22,220	21,884	21,800
Investment income payable on pension entitlement ^{1/}	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Investment income attributable to insurances policy holder	41,906	48,095	56,110	64,481	74,340	79,654	89,252	99,232
Total	663,204	700,534	865,923	986,605	1,021,446	1,078,519	1,048,086	1,032,959

Note : ^{1/} Governmental funds consist of social security fund (welfare and senility plan), private teacher aid fund, Bangkok Metropolitan Administration pension fund and local administration pension fund.

Table 57 Household and NPISHs property income payable

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Interest	107,085	144,664	188,635	224,830	230,393	240,266	240,193	246,151
Interest paid to banks	56,434	85,292	115,998	139,040	137,290	135,542	130,622	133,529
Pawnshop interest	4,981	5,986	7,008	6,814	6,441	6,298	6,515	6,841
Interest on loan from life insurance policy	645	698	847	945	1,043	1,137	1,201	1,344
Interest paid to cooperatives	42,819	50,239	62,084	74,747	81,834	93,061	95,103	100,212
Others	2,206	2,450	2,698	3,285	3,784	4,228	6,751	4,225
Investment income disbursements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Investment income payable on pension entitlement ^{1/}	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Rent	71,709	73,573	81,743	84,969	83,028	81,050	82,025	81,839
Total	202,751	246,497	302,510	344,536	351,154	361,283	365,623	373,199

Note : ^{1/} Governmental funds consist of social security fund (welfare and senility plan), private teacher aid fund, Bangkok Metropolitan Administration pension fund and local administration pension fund.

Table 58 Saving of corporations

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Saving of private corporation	760,809	957,489	808,415	681,323	834,005	791,899	1,025,818	1,255,795
Saving of public corporation and government enterprises	188,186	117,711	150,453	115,401	89,211	125,332	208,211	215,562
Saving of cooperatives	5,723	6,953	7,373	8,604	7,122	10,081	10,847	11,668
Total	954,718	1,082,153	966,241	805,328	930,338	927,312	1,244,876	1,483,025

Table 59 Corporate transfer payments received by household and NPISHs

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Transfer from private corporation	15,252	14,488	17,987	20,382	18,913	20,152	20,835	20,490
Transfer from public corporation and government enterprises	1,775	3,093	3,194	2,668	2,312	3,241	1,982	2,428
Transfer from cooperatives	709	796	558	1,147	434	1,170	505	557
Total	17,736	18,377	21,738	24,197	21,659	24,563	23,323	23,475

Table 60 Taxes

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Taxes								
Current taxes on income, wealth, etc.	727,713	886,235	925,098	988,890	915,579	944,041	945,045	1,022,633
Taxes on income	701,328	857,903	892,434	959,843	881,447	906,322	908,726	979,422
From corporation	509,426	635,842	641,226	687,298	642,468	632,293	623,236	704,438
From households	191,902	222,061	251,208	272,545	238,979	274,029	285,490	274,984
Other current taxes	26,385	28,332	32,664	29,047	34,132	37,719	36,319	43,211
From corporation	15,835	17,079	19,190	16,789	19,610	21,575	21,073	26,523
From households	10,550	11,253	13,474	12,258	14,522	16,144	15,246	16,688
Taxes on production and imports	1,181,367	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,042	1,587,309
Taxes on products	1,111,386	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,438	1,489,246
Value added type taxes (VAT) ^{1/}	391,643	450,545	507,039	522,724	531,117	556,442	557,872	593,485
Taxes and duties on imports excluding VAT	139,216	159,607	211,522	183,960	179,553	185,550	194,093	206,278
Import duties	93,788	102,010	120,050	106,972	108,770	112,322	103,471	103,506
Taxes on imports excluding VAT and duties	45,428	57,597	91,472	76,988	70,783	73,228	90,622	102,772
Export taxes	207	298	270	220	305	189	83	103
Taxes on products except VAT, import and export taxes	580,320	535,206	584,875	644,601	592,182	646,252	670,390	689,380
Other taxes on production	69,981	75,056	80,955	92,037	88,818	85,146	98,604	98,063
Total taxes	1,909,080	2,106,947	2,309,759	2,432,432	2,307,554	2,417,620	2,466,087	2,609,942
Subsidies								
Subsidies on products	50,142	93,772	78,879	79,001	94,370	43,304	45,885	37,969
Import subsidies	1,801	3,596	3,106	3,041	3,674	816	962	1,171
Export subsidies	11,011	13,298	7,235	10,634	9,005	9,364	8,987	7,912
Other subsidies on products	37,330	76,878	68,538	65,326	81,691	33,124	35,936	28,886
Other subsidies on production	19,750	19,802	21,227	24,664	27,484	26,635	24,147	24,160
Total subsidies	69,892	113,574	100,106	103,665	121,854	69,939	70,032	62,129
Total taxes on production and imports less subsidies	1,111,475	1,107,138	1,284,555	1,339,877	1,270,121	1,403,640	1,451,010	1,525,180

Note : ^{1/} VAT originated from 1992

Table 61 Social contributions and social transfers

	(Millions of Baht)							
	2010	2011	2012	2013	2014	2015r	2016r	2017p
Social contributions	317,727	340,494	356,245	378,522	427,890	460,340	511,319	540,037
Employers' actual social contributions	50,026	54,105	45,457	57,305	74,522	77,823	80,317	85,058
Employers' imputed social contributions	186,434	197,138	215,128	207,476	227,205	252,364	294,983	313,810
Households' actual social contributions	57,310	60,991	63,528	79,004	88,430	90,186	92,613	95,960
Households' social contributions supplements	23,957	28,260	32,132	34,737	37,733	39,967	43,406	45,209
Social benefits other than social transfers in kind	293,530	275,045	326,151	330,096	346,702	376,524	422,833	455,830
Social security benefits in cash	20,860	22,352	26,986	29,400	30,159	31,332	36,393	37,867
Other social insurance benefits	186,434	197,138	215,128	207,476	227,205	252,364	294,983	313,810
Social assistance benefits in cash	86,236	55,555	84,037	93,220	89,338	92,828	91,457	104,153
Social transfers in kind	817,330	870,307	982,822	1,012,806	1,096,910	1,148,884	1,213,580	1,258,159
Social transfers in kind - non-market production	603,236	656,899	737,151	774,914	852,780	905,607	953,266	996,655
Social transfers in kind - purchased market production	214,094	213,408	245,671	237,892	244,130	243,277	260,314	261,504
<i>Social security benefits, reimbursements</i>	<i>2,681</i>	<i>2,655</i>	<i>3,114</i>	<i>3,106</i>	<i>3,739</i>	<i>5,052</i>	<i>5,847</i>	<i>6,329</i>
<i>Other social security benefits in kind</i>	<i>24,470</i>	<i>25,946</i>	<i>31,446</i>	<i>31,973</i>	<i>31,625</i>	<i>37,253</i>	<i>40,888</i>	<i>43,075</i>
<i>Social assistance benefits in kind</i>	<i>186,943</i>	<i>184,807</i>	<i>211,111</i>	<i>202,813</i>	<i>208,766</i>	<i>200,972</i>	<i>213,579</i>	<i>212,100</i>

Note : The government social security plans included in government account comprise 6 funds as below:

- 1 Social security fund
- 2 Compensation fund
- 3 Welfare fund (the former name is headmaster and private school teacher welfare fund)
- 4 The national health security fund
- 5 Bangkok Metropolitan Administration pension fund
- 6 Local administration pension fund

ผู้ประสานงาน

Contact Persons

สำหรับรายละเอียดเพิ่มเติม กรุณาสอบถามได้ที่ e-mails ด้านล่าง หรือ โทร. 0-2280-4085

For further information, please contact us via e-mails or call 0-2280-4085 with following extension numbers:

National Accounts Director-General : Apichai Thamsermsukh Tel: 0-2280-4085 ต่อ/ ext. 6501 e-mail: apichai-t@nesdb.go.th

ตาราง / Tables	ผู้ประสานงาน / Coordinators	e-mail address	ต่อ / Ext. No.
Main Accounts			
Account 1. Production account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Account 2. Generation of income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Santi Srisomboon	santi@nesdb.go.th	6526
Account 3. Allocation of primary income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Santi Srisomboon	santi@nesdb.go.th	6526
Account 4. Secondary distribution of income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
Account 5. Use of disposable income account	Phirunthip Sukneongbung	phirunthip@nesdb.go.th	6505
	Thanapat Suntivong	thanapat@nesdb.go.th	6513
Account 6. Redistribution of income in kind account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 7. Use of adjusted disposable income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 8. External income account	Santi Srisomboon	santi@nesdb.go.th	6526
Gross Domestic Product, Chain Volume Measures			
Table 1 - 2.3	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Gross Domestic Product (Production)			
Table 3, 5 - 5.3	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 4	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
Table 6 - 7.2	Mattanee Phumklai	mattanee@nesdb.go.th	6523
Table 8 - 11.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 12 - 15.2	Mattanee Phumklai	mattanee@nesdb.go.th	6523
Table 16 - 17.2	Jindarat Shibue	jindarat-s@nesdb.go.th	6509
Table 18 - 21.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 22 - 23.2	Kullatree Kitjaruwong	kullatree@nesdb.go.th	6524
Table 24 - 25.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 26 - 27.2	Udomsuk Khieopong	udomsuk@nesdb.go.th	6506
Table 28 - 37.2	Kullatree Kitjaruwong	kullatree@nesdb.go.th	6524
Gross Domestic Product (Expenditure)			
<i>Private final consumption expenditure</i>			
Table 38 - 41.2	Phirunthip Sukneongbung	phirunthip@nesdb.go.th	6505
	Kittisak Sirikhun	kittisak-s@nesdb.go.th	6538
<i>General government final consumption expenditure</i>			
Table 42 - 43.2	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Thanapat Suntivong	thanapat@nesdb.go.th	6513
Capital formation			
Table 44 - 49.2	Jindarat Shibue	jindarat-s@nesdb.go.th	6509
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
	Supaporn Wareerat	supaporn_c@nesdb.go.th	6510
National Income			
Table 50 - 51	Santi Srisomboon	santi@nesdb.go.th	6526
	Taksaporn Bunchoo	taksaporn@nesdb.go.th	6536
Table 52	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
Table 53 - 54	Santi Srisomboon	santi@nesdb.go.th	6526
	Taksaporn Bunchoo	taksaporn@nesdb.go.th	6536
Table 55	Santi Srisomboon	santi@nesdb.go.th	6526
Table 56 - 57	Santi Srisomboon	santi@nesdb.go.th	6526
Table 58 - 59	Santi Srisomboon	santi@nesdb.go.th	6526
Table 60 - 61	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514

